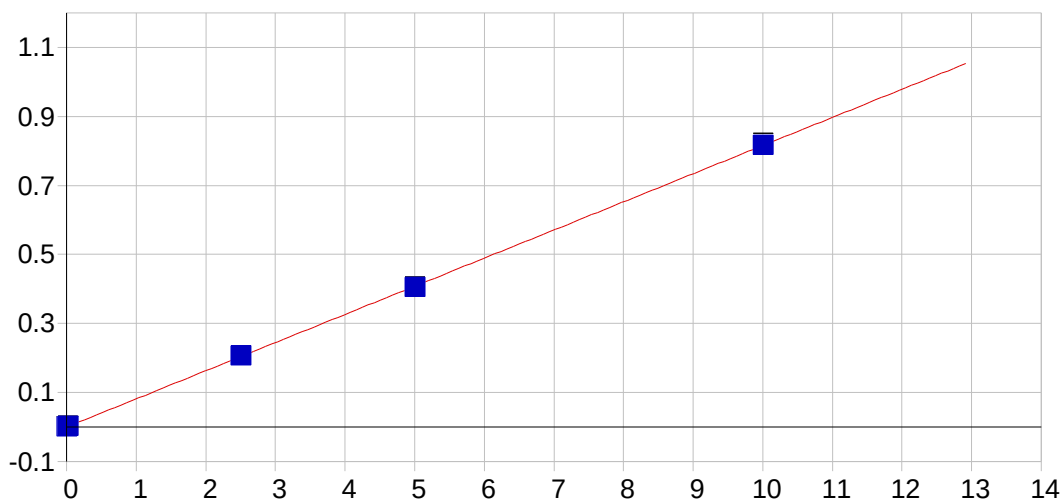




As 189.042 {478}

Date of Fit: 7/1/2019 16:49:40

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000020

Re-Slope: 1.000000

A1 (Gain): 0.081563

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999983

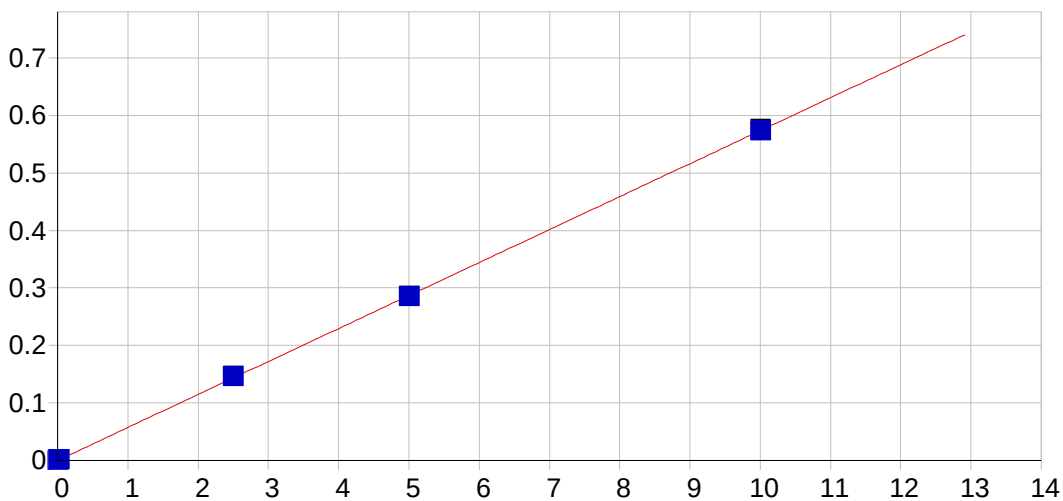
Status: OK.

Std Error of Est: 0.000012

Predicted MDL: 0.003663

Predicted MQL: 0.012209

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00002 | .000    | 1        |
| S1        | .02000       | .02045      | .000       | 2.24    | .00169 | .000    | 1        |
| S3        | 2.5000       | 2.5238      | .024       | .953    | .20586 | .001    | 1        |
| S4        | 5.0000       | 4.9590      | -.041      | -.821   | .40446 | .002    | 1        |
| S5        | 10.000       | 10.017      | .017       | .168    | .81696 | .004    | 1        |



As 189.042 {479}

Date of Fit: 7/1/2019 16:49:40

Type of Fit: Linear

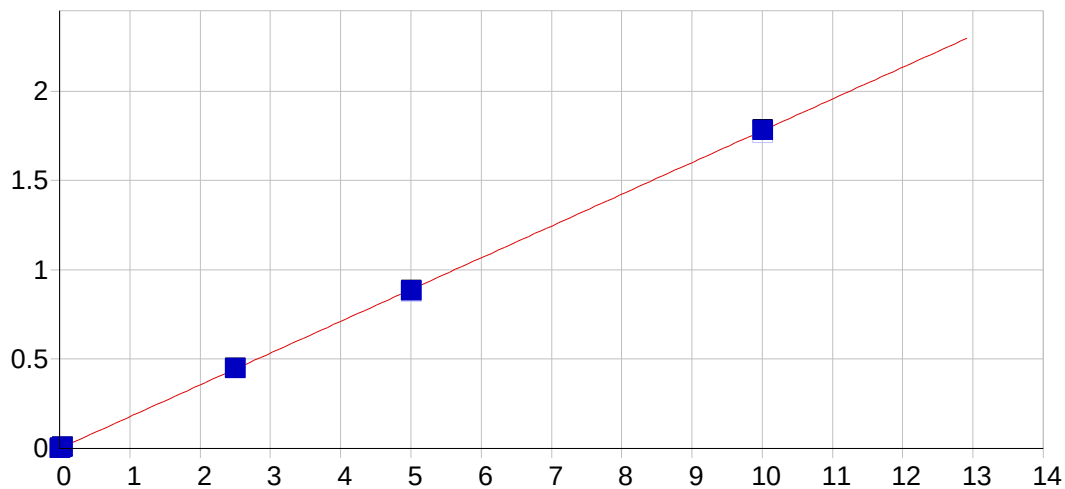
Weighting: 1/Conc

A0 (Offset): 0.000116

Re-Slope: 1.000000

A1 (Gain): 0.057326 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999976 Status: OK.  
 Std Error of Est: 0.000010  
 Predicted MDL: 0.003366  
 Predicted MQL: 0.011221

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00012 | .000    | 1        |
| S1        | .02000       | .02006      | .000       | .279    | .00127 | .000    | 1        |
| S3        | 2.5000       | 2.5388      | .039       | 1.55    | .14566 | .000    | 1        |
| S4        | 5.0000       | 4.9650      | -.035      | -.699   | .28475 | .000    | 1        |
| S5        | 10.000       | 9.9961      | -.004      | -.039   | .57316 | .002    | 1        |

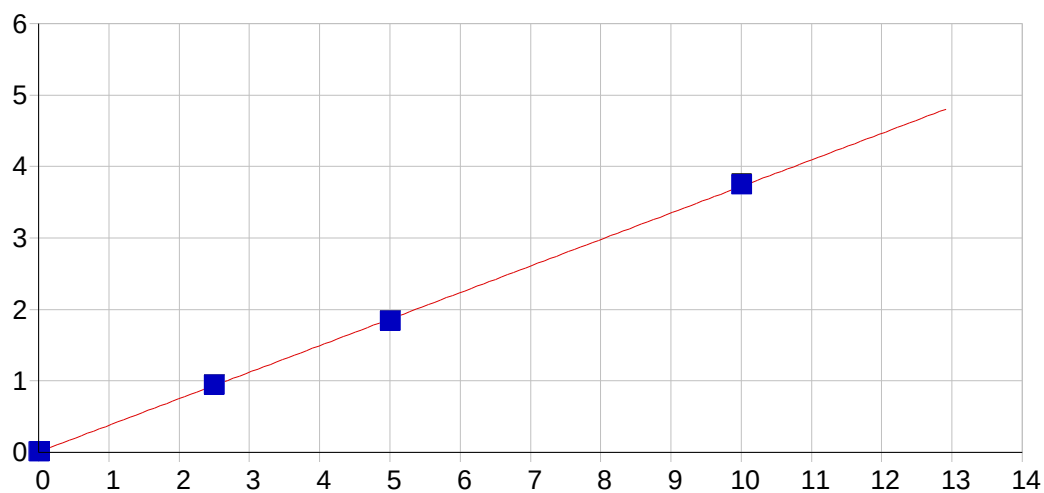


TI 190.856 {477}

Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000166 Re-Slope: 1.000000  
 A1 (Gain): 0.177784 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999984 Status: OK.  
 Std Error of Est: 0.000034  
 Predicted MDL: 0.001358  
 Predicted MQL: 0.004527

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00017 | .000    | 1        |
| S1        | .04000       | .04185      | .002       | 4.61    | .00742 | .000    | 1        |
| S3        | 2.5000       | 2.5219      | .022       | .878    | .44397 | .000    | 1        |
| S4        | 5.0000       | 4.9650      | -.035      | -.699   | .87376 | .002    | 1        |
| S5        | 10.000       | 10.011      | .011       | .112    | 1.7618 | .003    | 1        |

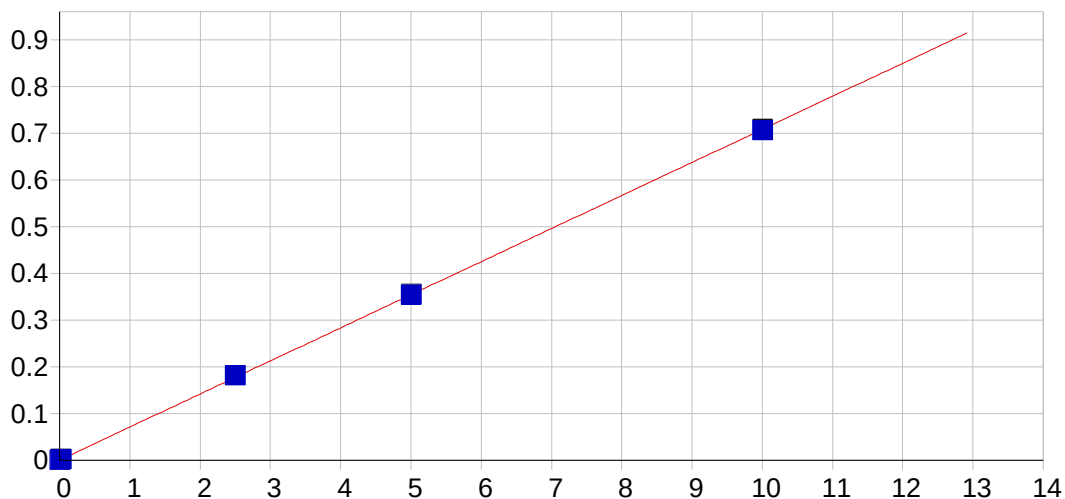


Pb 220.353 {453}

Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.007884 Re-Slope: 1.000000  
 A1 (Gain): 0.371321 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999959 Status: OK.  
 Std Error of Est: 0.000063  
 Predicted MDL: 0.001080  
 Predicted MQL: 0.003600

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00788 | .000    | 1        |
| S1        | .01200       | .01261      | .001       | 5.10    | .01249 | .000    | 1        |
| S3        | 2.5000       | 2.5083      | .008       | .331    | .93818 | .001    | 1        |
| S4        | 5.0000       | 4.9293      | -.071      | -1.41   | 1.8361 | .001    | 1        |
| S5        | 10.000       | 10.062      | .062       | .619    | 3.7398 | .010    | 1        |



Se 196.090 {472}

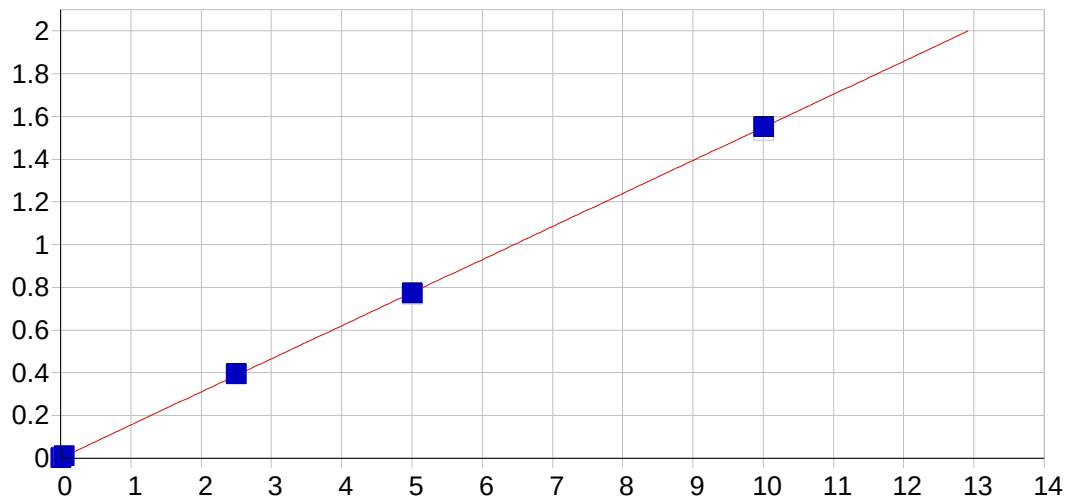
Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000458 Re-Slope: 1.000000  
 A1 (Gain): 0.070777 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999960  
 Std Error of Est: 0.000015  
 Predicted MDL: 0.003766  
 Predicted MQL: 0.012553

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00046 | .000    | 1        |
| S1        | .02000       | .01793      | -.002      | -10.3   | .00173 | .000    | 1        |
| S3        | 2.5000       | 2.5506      | .051       | 2.03    | .18095 | .000    | 1        |
| S4        | 5.0000       | 4.9888      | -.011      | -.224   | .35347 | .001    | 1        |
| S5        | 10.000       | 9.9626      | -.037      | -.374   | .70543 | .002    | 1        |



Sb 206.833 {463}

Date of Fit: 7/1/2019 16:49:40

Type of Fit: Linear

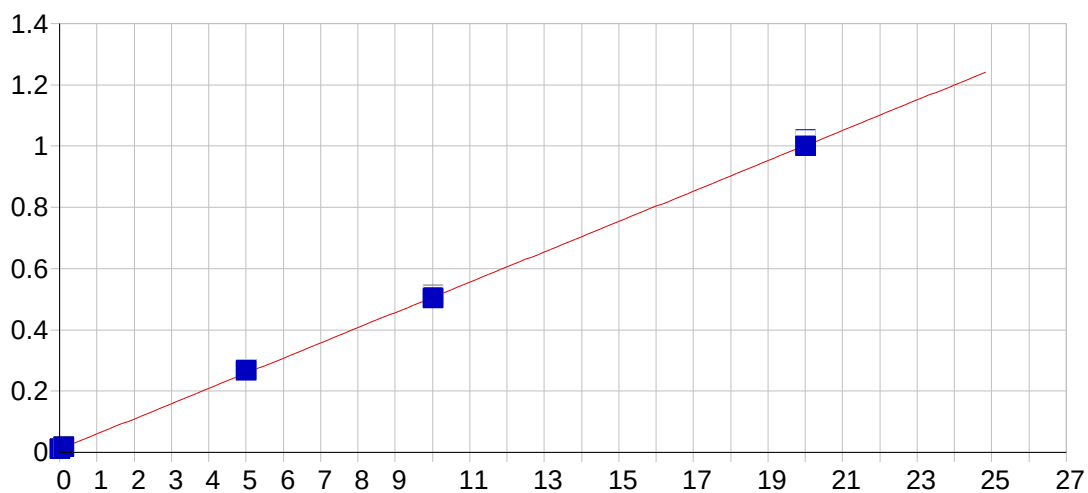
Weighting: 1/Conc

A0 (Offset): 0.001437  
 A1 (Gain): 0.154754  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999980  
 Std Error of Est: 0.000037  
 Predicted MDL: 0.002197  
 Predicted MQL: 0.007322

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    | .00144 | .000    | 1        |
| S1        | .05000       | .05298      | .003       | 5.97    | .00944 | .000    | 1        |
| S3        | 2.5000       | 2.5298      | .030       | 1.19    | .38858 | .001    | 1        |
| S4        | 5.0000       | 4.9740      | -.026      | -.520   | .76248 | .001    | 1        |
| S5        | 10.000       | 9.9933      | -.007      | -.067   | 1.5305 | .004    | 1        |

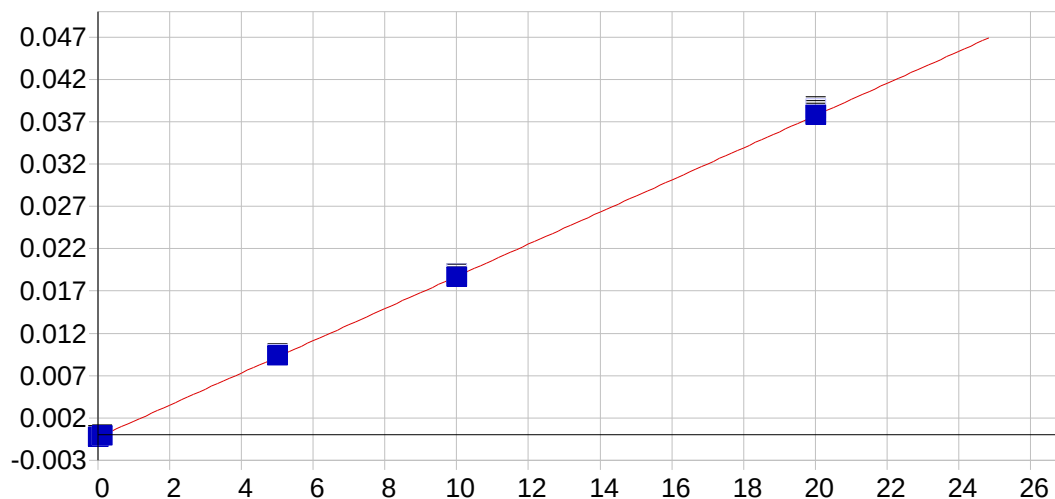


AI 308.215 {109}

Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.010411 Re-Slope: 1.000000  
 A1 (Gain): 0.049569 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999903 Status: OK.  
 Std Error of Est: 0.000054  
 Predicted MDL: 0.003644  
 Predicted MQL: 0.012148

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .01041 | .000    | 1        |
| S1        | .10000       | .11584      | .016       | 15.8    | .01650 | .000    | 1        |
| S3        | 5.0000       | 5.1349      | .135       | 2.70    | .26988 | .000    | 1        |
| S4        | 10.000       | 9.9197      | -.080      | -.803   | .51199 | .001    | 1        |
| S5        | 20.000       | 19.929      | -.071      | -.356   | 1.0180 | .001    | 1        |



AI 309.271 {109}

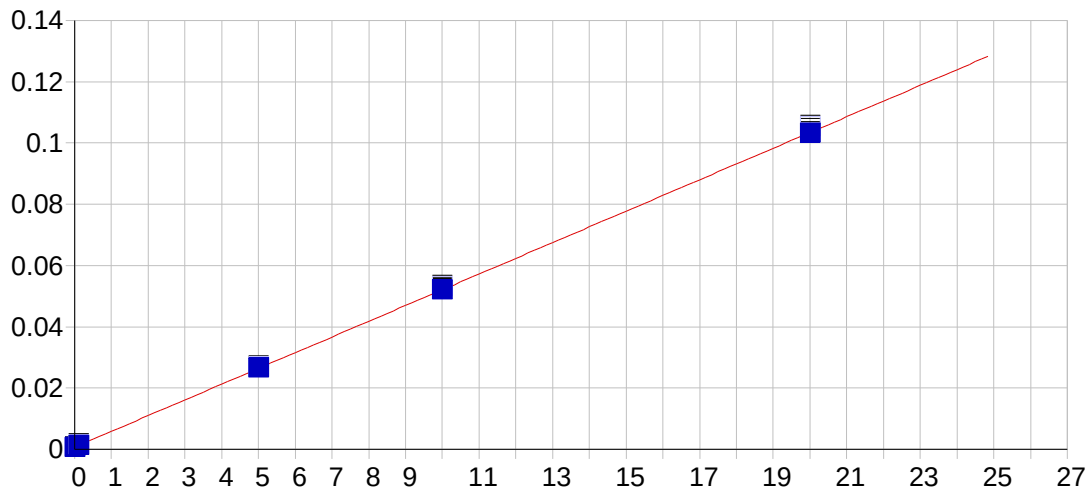
Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000281 Re-Slope: 1.000000  
 A1 (Gain): 0.001900 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999962  
 Std Error of Est: 0.000001  
 Predicted MDL: 0.052202  
 Predicted MQL: 0.174006

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | -.00028 | .000    | 1        |
| S1        | .10000       | .08617      | -.014      | -13.8   | -.00010 | .000    | 1        |
| S3        | 5.0000       | 5.0525      | .053       | 1.05    | .00951  | .000    | 1        |
| S4        | 10.000       | 9.9432      | -.057      | -.568   | .01899  | .000    | 1        |
| S5        | 20.000       | 20.019      | .019       | .094    | .03851  | .000    | 1        |



Date of Fit: 7/1/2019 16:49:40

Type of Fit: Linear

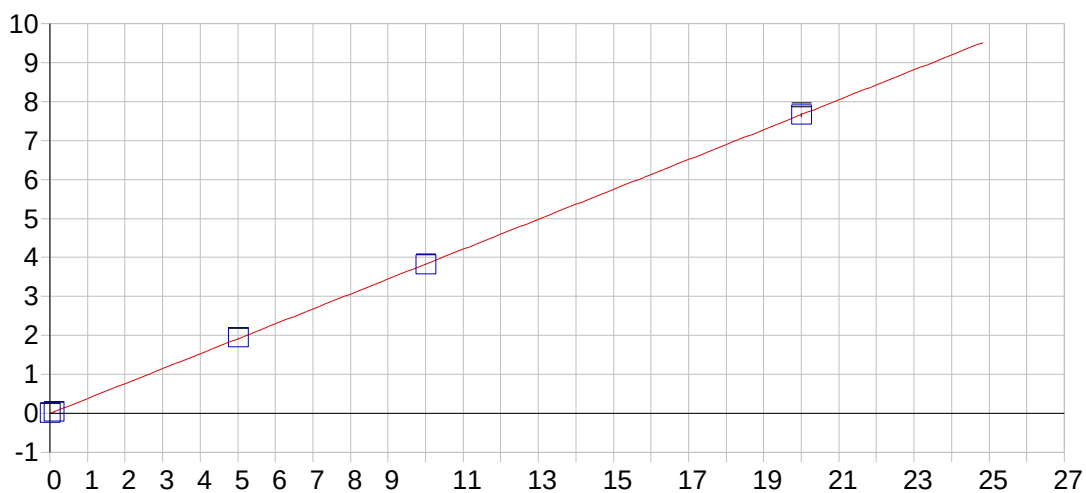
Weighting: 1/Conc

A0 (Offset): 0.000727  
 A1 (Gain): 0.005135  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999956  
 Std Error of Est: 0.000004  
 Predicted MDL: 0.031846  
 Predicted MQL: 0.106154

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    | .00073 | .000    | 1        |
| S1        | .10000       | .11755      | .018       | 17.6    | .00137 | .000    | 1        |
| S3        | 5.0000       | 5.0206      | .021       | .413    | .02702 | .000    | 1        |
| S4        | 10.000       | 9.9989      | -.001      | -.011   | .05309 | .000    | 1        |
| S5        | 20.000       | 19.962      | -.038      | -.190   | .10527 | .000    | 1        |

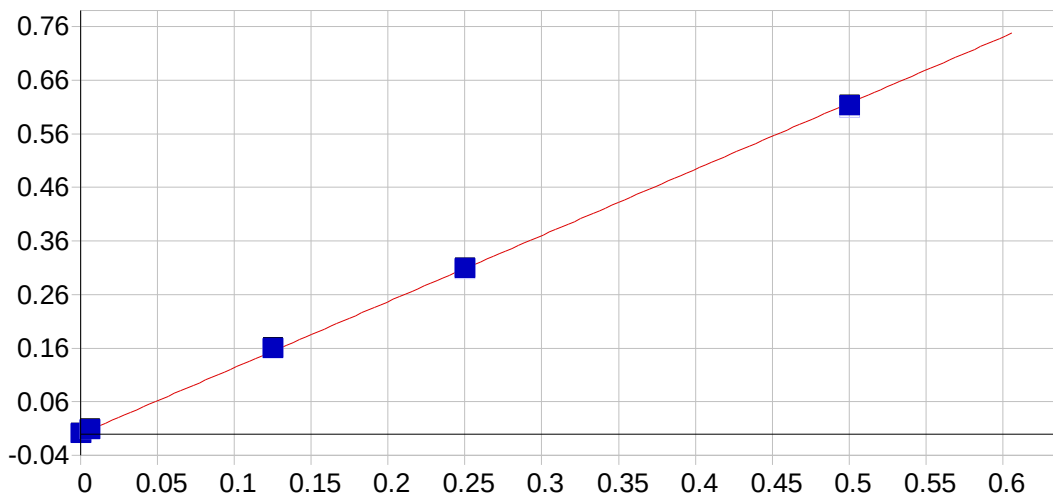


Ba 493.409 { 68}

Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002938 Re-Slope: 1.000000  
 A1 (Gain): 0.383264 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999981 Status: OK.  
 Std Error of Est: 0.000183  
 Predicted MDL: 0.000852  
 Predicted MQL: 0.002841

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00294 | .000    | 1        |
| S1        | .10000       | .10638      | .006       | 6.38    | .03783  | .001    | 1        |
| S3        | 5.0000       | 5.0617      | .062       | 1.23    | 1.9370  | .007    | 1        |
| S5        | 20.000       | 19.971      | -.029      | -.145   | 7.6513  | .045    | 1        |
| S4        | 10.000       | 9.9609      | -.039      | -.391   | 3.8147  | .010    | 1        |



Be 234.861 {144}

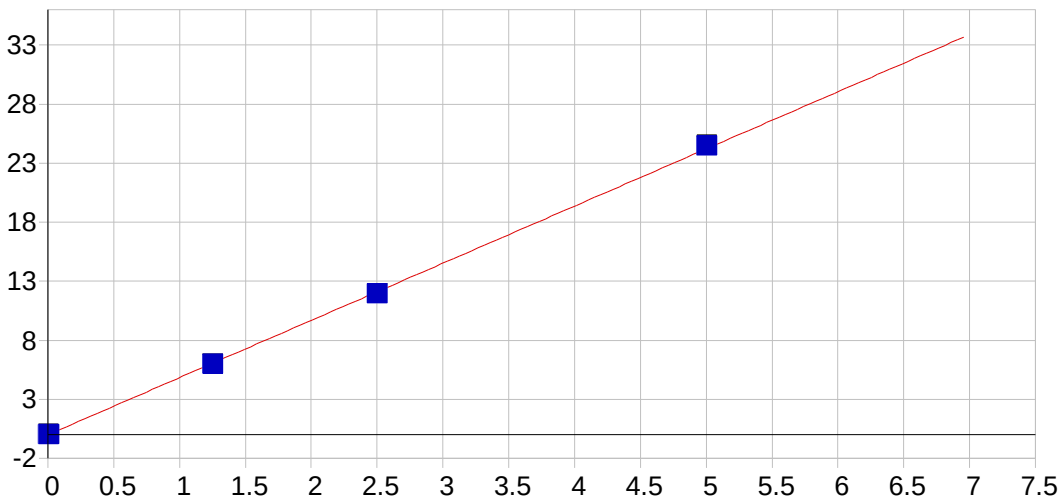
Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000014 Re-Slope: 1.000000  
 A1 (Gain): 1.234076 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999872  
 Std Error of Est: 0.000058  
 Predicted MDL: 0.000095  
 Predicted MQL: 0.000315

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00001 | .000    | 1        |
| S1        | .00600       | .00655      | .001       | 9.10    | .00802 | .000    | 1        |
| S3        | .12500       | .12905      | .004       | 3.24    | .15831 | .001    | 1        |
| S4        | .25000       | .24992      | -.000      | -.030   | .30650 | .000    | 1        |
| S5        | .50000       | .49548      | -.005      | -.905   | .60759 | .002    | 1        |



Cd 226.502 {449}

Date of Fit: 7/1/2019 16:49:40

Type of Fit: Linear

Weighting: 1/Conc

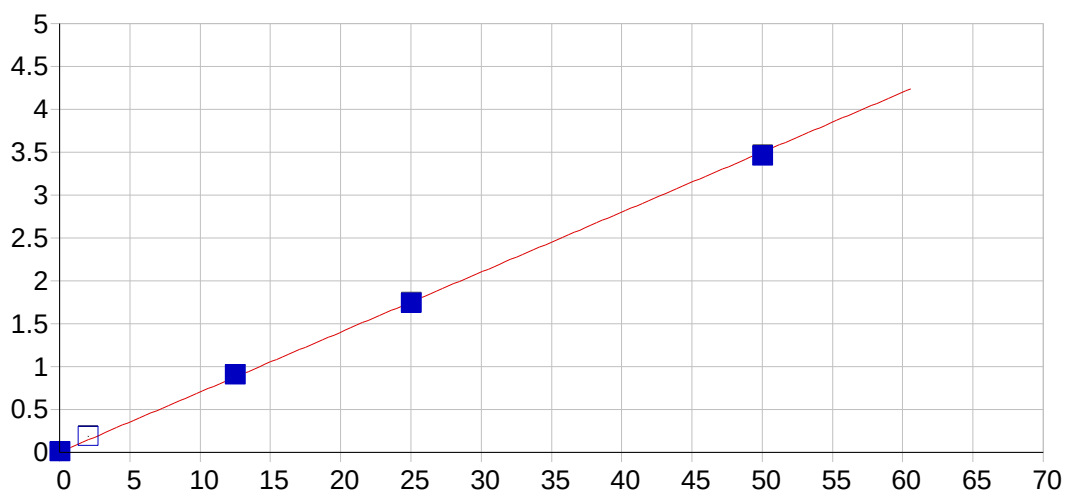
A0 (Offset): -0.005312  
 A1 (Gain): 4.842311  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999936  
 Std Error of Est: 0.000512  
 Predicted MDL: 0.000093  
 Predicted MQL: 0.000311

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    | -.00531 | .001    | 1        |
| S1        | .00600       | .00589      | -.000      | -1.77   | .02328  | .000    | 1        |
| S3        | 1.2500       | 1.2379      | -.012      | -.966   | 5.9905  | .005    | 1        |
| S4        | 2.5000       | 2.4636      | -.036      | -1.46   | 11.927  | .021    | 1        |
| S5        | 5.0000       | 5.0486      | .049       | .972    | 24.447  | .040    | 1        |



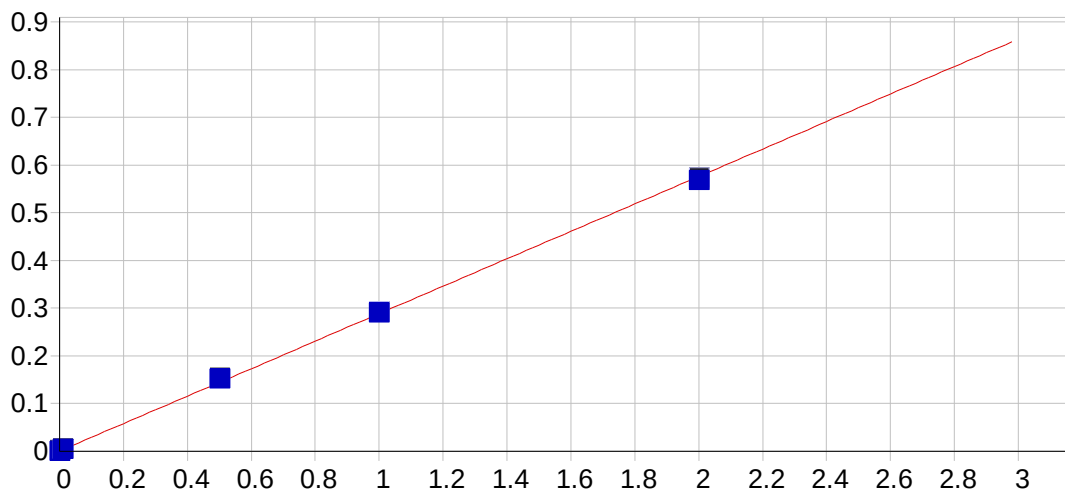


Ca 373.690 { 90}

Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004552 Re-Slope: 1.000000  
 A1 (Gain): 0.069919 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998938 Status: OK.  
 Std Error of Est: 0.001761  
 Predicted MDL: 0.026900  
 Predicted MQL: 0.089665

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.5853      | .585       | 29.3    | .18531 | .002    | 1        |
| S0        | .00000       | -.00059     | -.001      | .000    | .00451 | .002    | 1        |
| S3        | 12.500       | 12.817      | .317       | 2.54    | .90119 | .003    | 1        |
| S4        | 25.000       | 24.767      | -.233      | -.934   | 1.7371 | .009    | 1        |
| S5        | 50.000       | 49.331      | -.669      | -1.34   | 3.4556 | .010    | 1        |



Cr 267.716 {126}

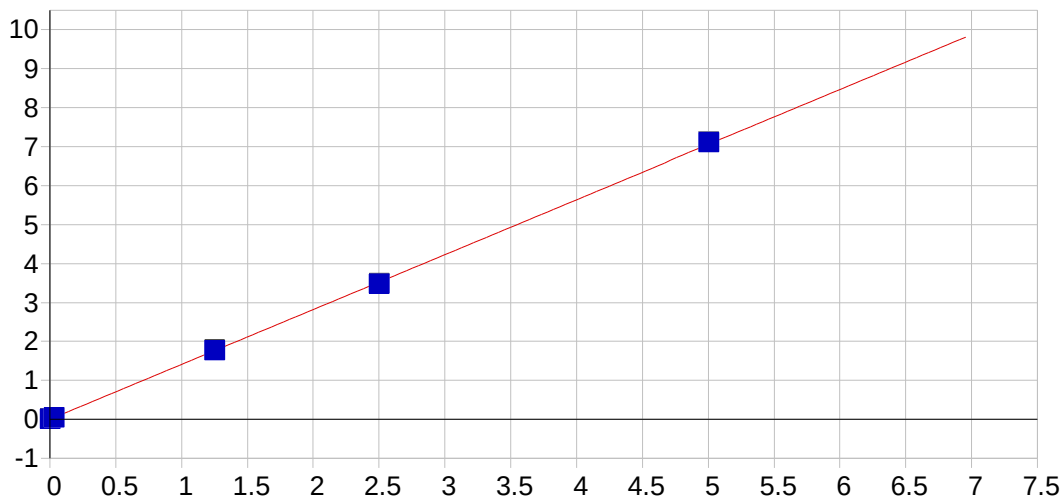
Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000659 Re-Slope: 1.000000  
 A1 (Gain): 0.287923 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999712  
 Std Error of Est: 0.000053  
 Predicted MDL: 0.000554  
 Predicted MQL: 0.001848

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00066 | .000    | 1        |
| S1        | .01000       | .01251      | .003       | 25.1    | .00428 | .000    | 1        |
| S3        | .50000       | .52216      | .022       | 4.43    | .15213 | .000    | 1        |
| S4        | 1.0000       | 1.0043      | .004       | .429    | .29208 | .000    | 1        |
| S5        | 2.0000       | 1.9710      | -.029      | -1.45   | .57270 | .001    | 1        |



Co 228.616 {447}

Date of Fit: 7/1/2019 16:49:40

Type of Fit: Linear

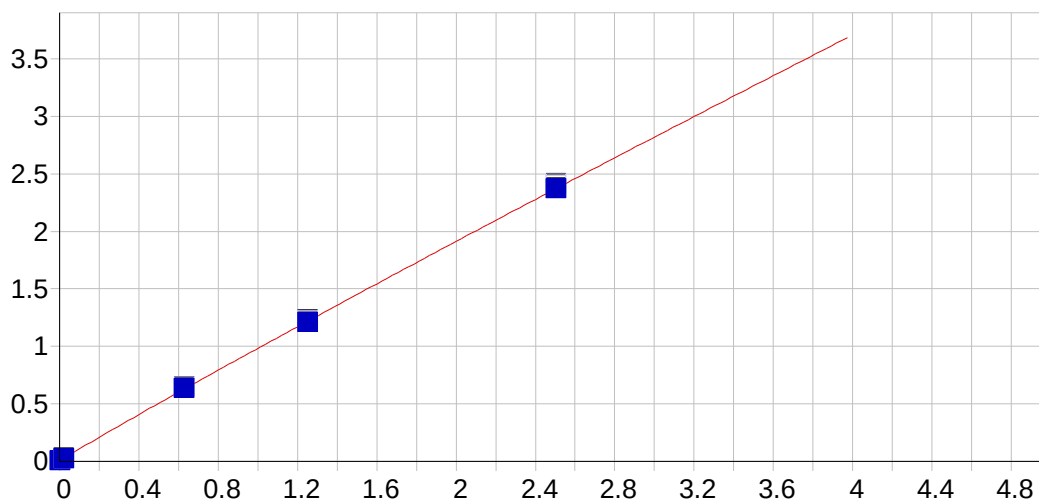
Weighting: 1/Conc

A0 (Offset): -0.000885  
 A1 (Gain): 1.410561  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999947  
 Std Error of Est: 0.000304  
 Predicted MDL: 0.000272  
 Predicted MQL: 0.000906

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    | -.00088 | .000    | 1        |
| S1        | .03000       | .02954      | -.000      | -1.54   | .04050  | .000    | 1        |
| S3        | 1.2500       | 1.2531      | .003       | .247    | 1.7680  | .001    | 1        |
| S4        | 2.5000       | 2.4601      | -.040      | -1.60   | 3.4720  | .005    | 1        |
| S5        | 5.0000       | 5.0373      | .037       | .745    | 7.1100  | .007    | 1        |

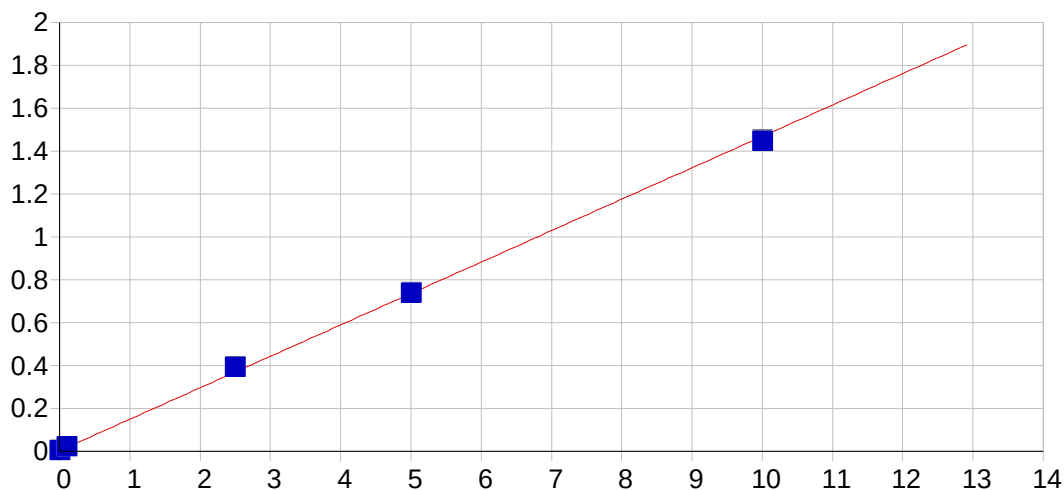


Cu 224.700 {450}

Date of Fit: 7/1/2019 16:49:40 Type of Fit: Full Fit Weighting: 1/Conc

A0 (Offset): 0.003150 Re-Slope: 1.000000  
 A1 (Gain): 0.984577 Y-int: 0.000000  
 A2 (Curvature): -0.005058  
 n (Exponent): 0.970000  
 Correlation: 0.999967 Status: OK.  
 Std Error of Est: 0.000167  
 Predicted MDL: 0.000504  
 Predicted MQL: 0.001679

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00315 | .000    | 1        |
| S1        | .02000       | .01904      | -.001      | -4.81   | .02456 | .001    | 1        |
| S3        | .62500       | .63409      | .009       | 1.45    | .64391 | .001    | 1        |
| S4        | 1.2500       | 1.2381      | -.012      | -.950   | 1.2266 | .001    | 1        |
| S5        | 2.5000       | 2.5038      | .004       | .152    | 2.4111 | .006    | 1        |



Fe 240.488 {140}

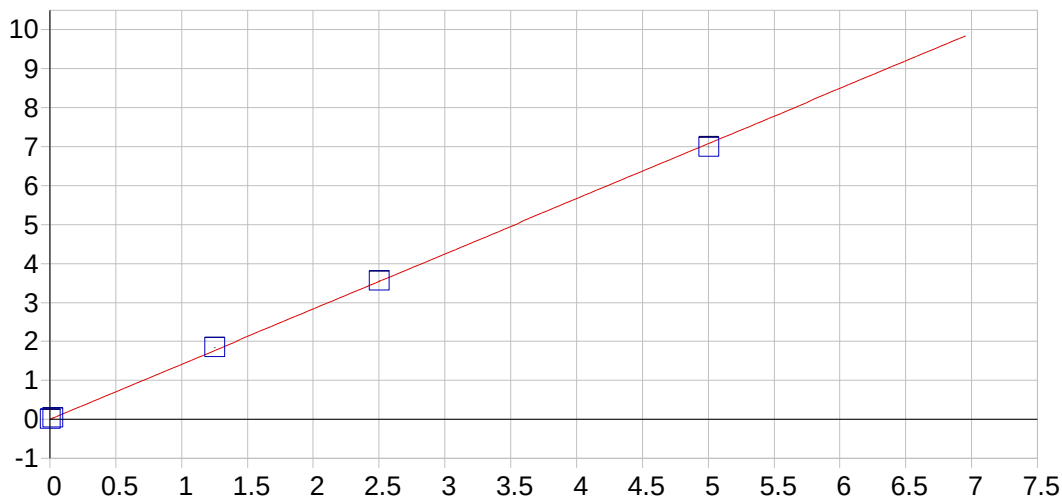
Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003341 Re-Slope: 1.000000  
 A1 (Gain): 0.146548 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999627  
 Std Error of Est: 0.000218  
 Predicted MDL: 0.000853  
 Predicted MQL: 0.002843

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00334 | .000    | 1        |
| S1        | .10000       | .11777      | .018       | 17.8    | .02067 | .001    | 1        |
| S3        | 2.5000       | 2.6370      | .137       | 5.48    | .39116 | .001    | 1        |
| S4        | 5.0000       | 5.0053      | .005       | .106    | .73959 | .001    | 1        |
| S5        | 10.000       | 9.8399      | -.160      | -1.60   | 1.4508 | .000    | 1        |



Mn 257.610 {131}

Date of Fit: 7/1/2019 16:49:40

Type of Fit: Linear

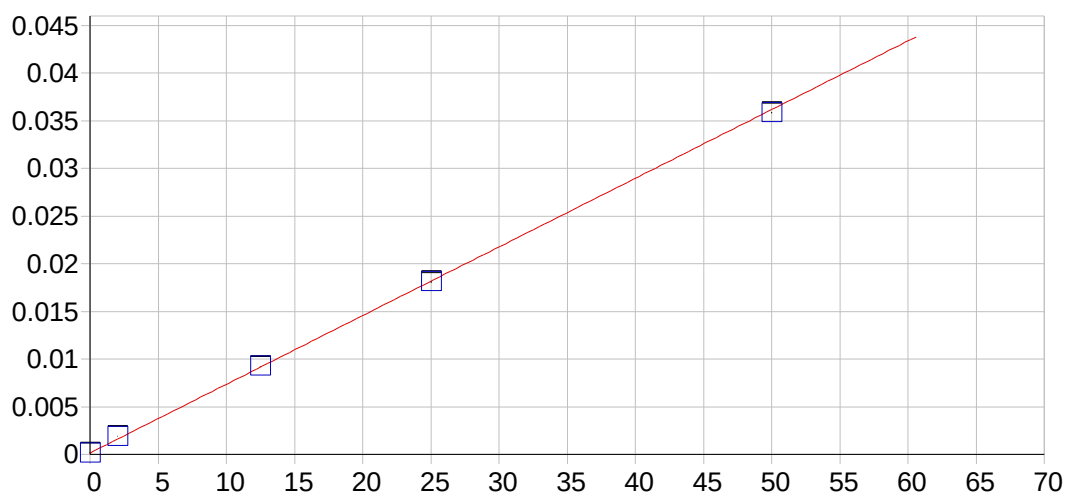
Weighting: 1/Conc

A0 (Offset): -0.000265  
 A1 (Gain): 1.415698  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999801  
 Std Error of Est: 0.000482  
 Predicted MDL: 0.000099  
 Predicted MQL: 0.000329

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00027 | .000    | 1        |
| S1        | .02000       | .02303      | .003       | 15.2    | .03234  | .001    | 1        |
| S3        | 1.2500       | 1.3029      | .053       | 4.23    | 1.8443  | .004    | 1        |
| S4        | 2.5000       | 2.5061      | .006       | .242    | 3.5475  | .003    | 1        |
| S5        | 5.0000       | 4.9380      | -.062      | -1.24   | 6.9905  | .008    | 1        |

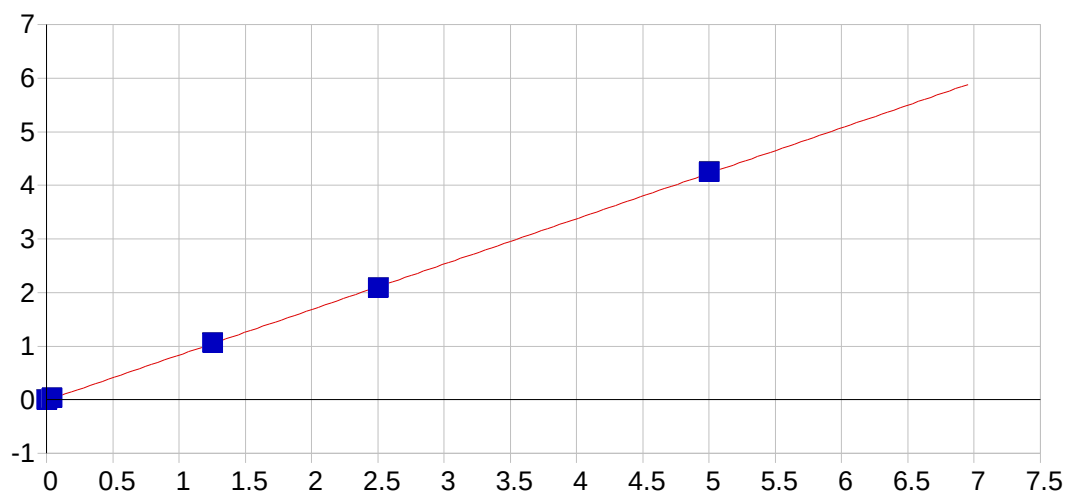


Mg 279.079 {121}

Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000155 Re-Slope: 1.000000  
 A1 (Gain): 0.000720 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999496 Status: OK.  
 Std Error of Est: 0.000012  
 Predicted MDL: 0.073343  
 Predicted MQL: 0.244476

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.4125      | .413       | 20.6    | .00189 | .000    | 1        |
| S0        | .00000       | -.00041     | -.000      | .000    | .00015 | .000    | 1        |
| S3        | 12.500       | 12.609      | .109       | .873    | .00924 | .000    | 1        |
| S4        | 25.000       | 24.916      | -.084      | -.336   | .01810 | .000    | 1        |
| S5        | 50.000       | 49.562      | -.438      | -.875   | .03586 | .000    | 1        |



Ni 231.604 {445}

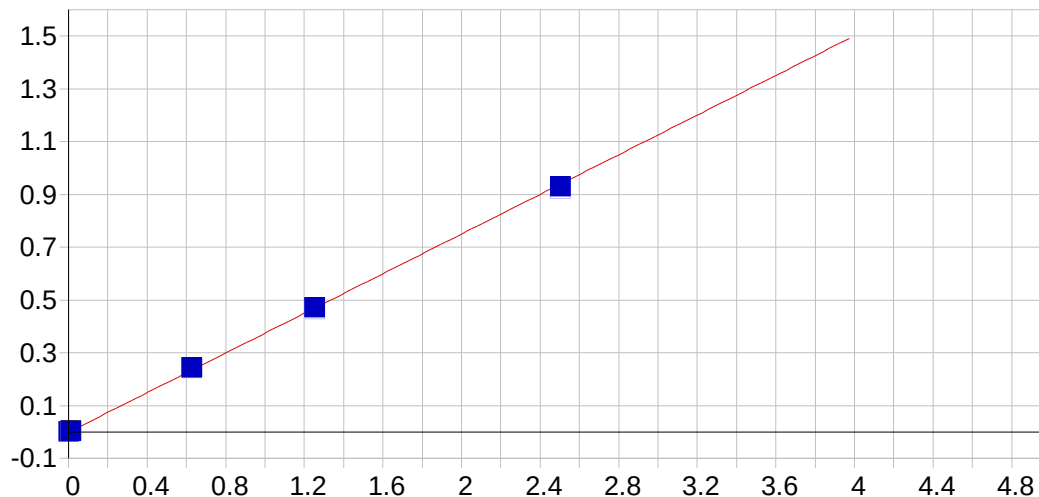
Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.013697 Re-Slope: 1.000000  
 A1 (Gain): 0.847555 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999960  
 Std Error of Est: 0.000185  
 Predicted MDL: 0.000487  
 Predicted MQL: 0.001622

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.01370 | .001    | 1        |
| S1        | .04000       | .04107      | .001       | 2.68    | .02113  | .000    | 1        |
| S3        | 1.2500       | 1.2625      | .013       | 1.00    | 1.0575  | .001    | 1        |
| S4        | 2.5000       | 2.4657      | -.034      | -1.37   | 2.0784  | .004    | 1        |
| S5        | 5.0000       | 5.0207      | .021       | .414    | 4.2463  | .004    | 1        |



Ag 328.068 {103}

Date of Fit: 7/1/2019 16:49:40

Type of Fit: Linear

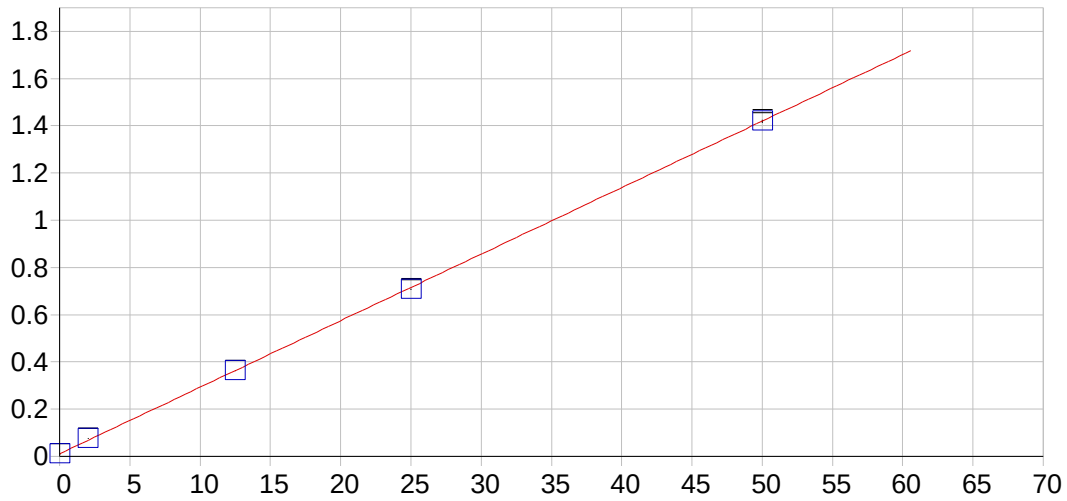
Weighting: 1/Conc

A0 (Offset): -0.001356  
 A1 (Gain): 0.375587  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999863  
 Std Error of Est: 0.000052  
 Predicted MDL: 0.000738  
 Predicted MQL: 0.002460

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    | -.00136 | .000    | 1        |
| S1        | .01000       | .01150      | .002       | 15.0    | .00289  | .000    | 1        |
| S3        | .62500       | .64602      | .021       | 3.36    | .23861  | .000    | 1        |
| S4        | 1.2500       | 1.2518      | .002       | .143    | .46345  | .001    | 1        |
| S5        | 2.5000       | 2.4757      | -.024      | -.972   | .91780  | .001    | 1        |

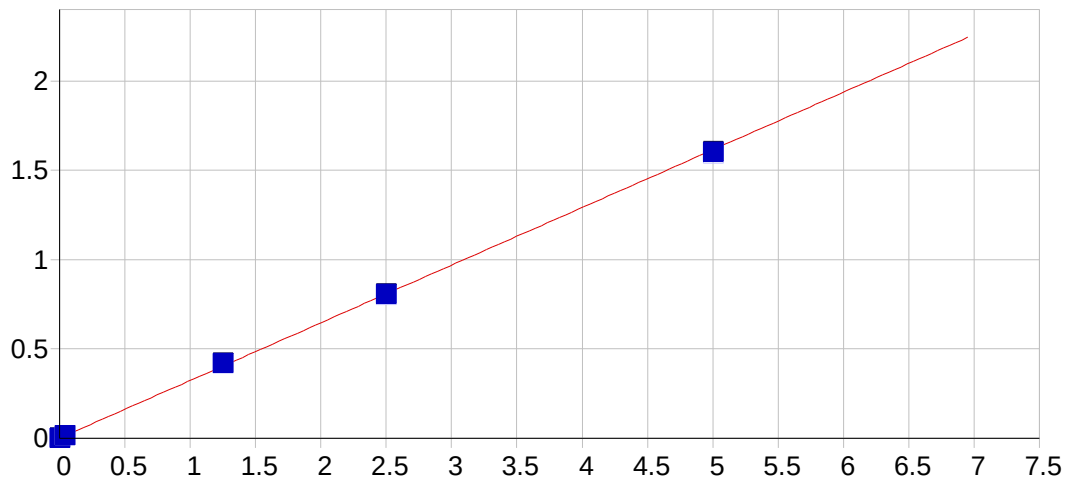


Na 589.592 { 57}

Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.011262 Re-Slope: 1.000000  
 A1 (Gain): 0.028175 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999734 Status: OK.  
 Std Error of Est: 0.000355  
 Predicted MDL: 0.015237  
 Predicted MQL: 0.050789

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.2994      | .299       | 15.0    | .07605 | .000    | 1        |
| S0        | .00000       | -.00028     | -.000      | .000    | .01125 | .000    | 1        |
| S3        | 12.500       | 12.490      | -.010      | -.078   | .36318 | .001    | 1        |
| S4        | 25.000       | 24.740      | -.260      | -1.04   | .70831 | .003    | 1        |
| S5        | 50.000       | 49.970      | -.030      | -.059   | 1.4192 | .007    | 1        |



V 292.402 {115}

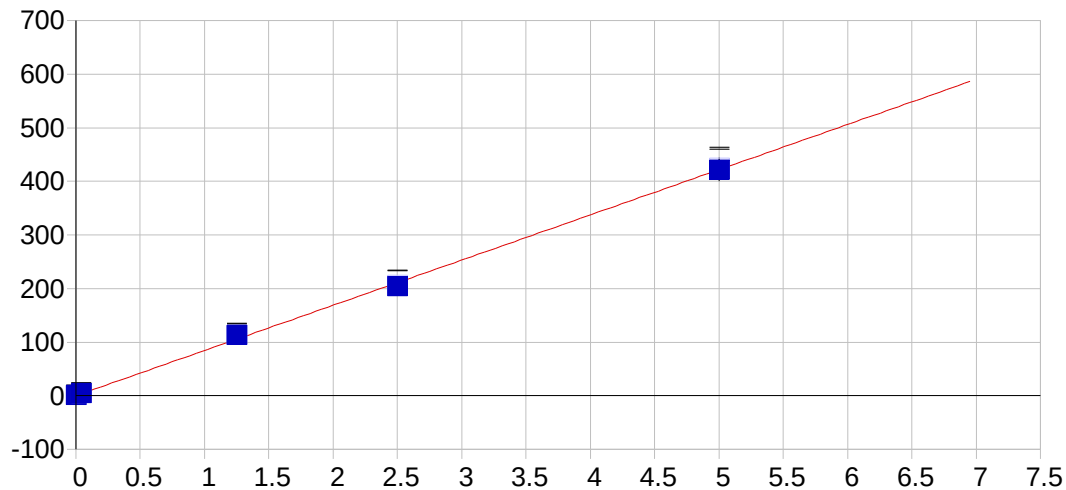
Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001298 Re-Slope: 1.000000  
 A1 (Gain): 0.322639 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999870  
 Std Error of Est: 0.000125  
 Predicted MDL: 0.000573  
 Predicted MQL: 0.001910

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00130 | .000    | 1        |
| S1        | .04000       | .04324      | .003       | 8.11    | .01505 | .000    | 1        |
| S3        | 1.2500       | 1.2951      | .045       | 3.61    | .41652 | .001    | 1        |
| S4        | 2.5000       | 2.4933      | -.007      | -.268   | .80046 | .001    | 1        |
| S5        | 5.0000       | 4.9584      | -.042      | -.833   | 1.5905 | .003    | 1        |



Date of Fit: 7/1/2019 16:49:40

Type of Fit: Linear

Weighting: 1/Conc

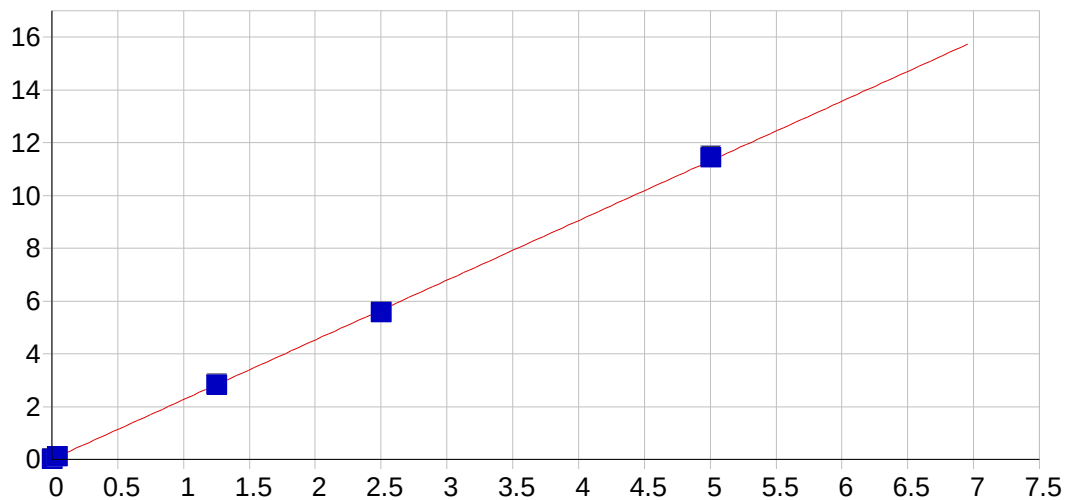
A0 (Offset): 0.071001  
 A1 (Gain): 84.316785  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999384  
 Std Error of Est: 0.072090  
 Predicted MDL: 0.000482  
 Predicted MQL: 0.001605

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    | .06994 | .102    | 1        |
| S1        | .04000       | .05139      | .011       | 28.5    | 4.4264 | .127    | 1        |
| S3        | 1.2500       | 1.3287      | .079       | 6.30    | 112.74 | 3.01    | 1        |
| S4        | 2.5000       | 2.4170      | -.083      | -3.32   | 205.14 | 9.81    | 1        |
| S5        | 5.0000       | 4.9929      | -.007      | -.142   | 423.61 | 20.3    | 1        |



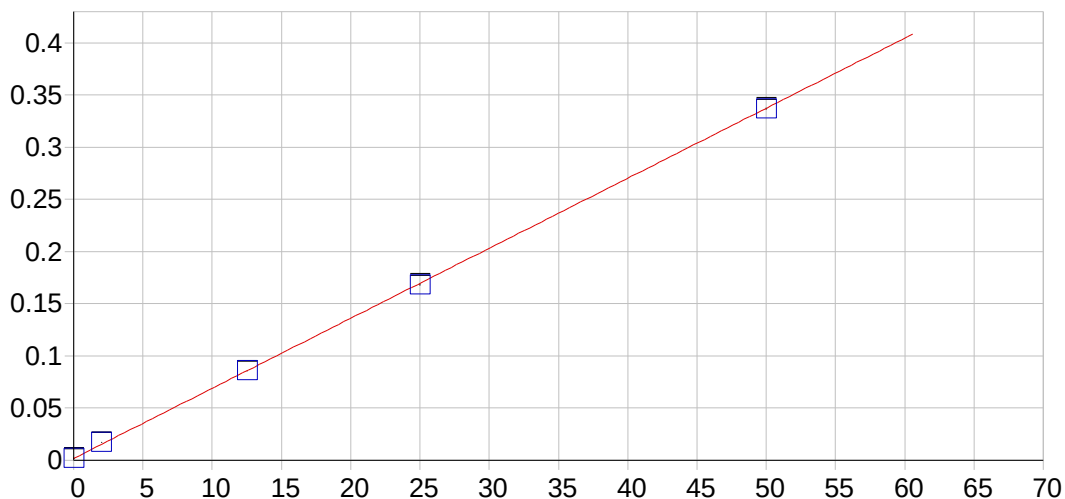


Zn 213.856 {458}

Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003020 Re-Slope: 1.000000  
 A1 (Gain): 2.261569 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999875 Status: OK.  
 Std Error of Est: 0.000871  
 Predicted MDL: 0.000126  
 Predicted MQL: 0.000421

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00301 | .000    | 1        |
| S1        | .04000       | .04548      | .005       | 13.7    | .10651 | .000    | 1        |
| S3        | 1.2500       | 1.2477      | -.002      | -.188   | 2.8427 | .002    | 1        |
| S4        | 2.5000       | 2.4495      | -.051      | -2.02   | 5.5787 | .007    | 1        |
| S5        | 5.0000       | 5.0474      | .047       | .948    | 11.490 | .016    | 1        |



K 766.490 {44}

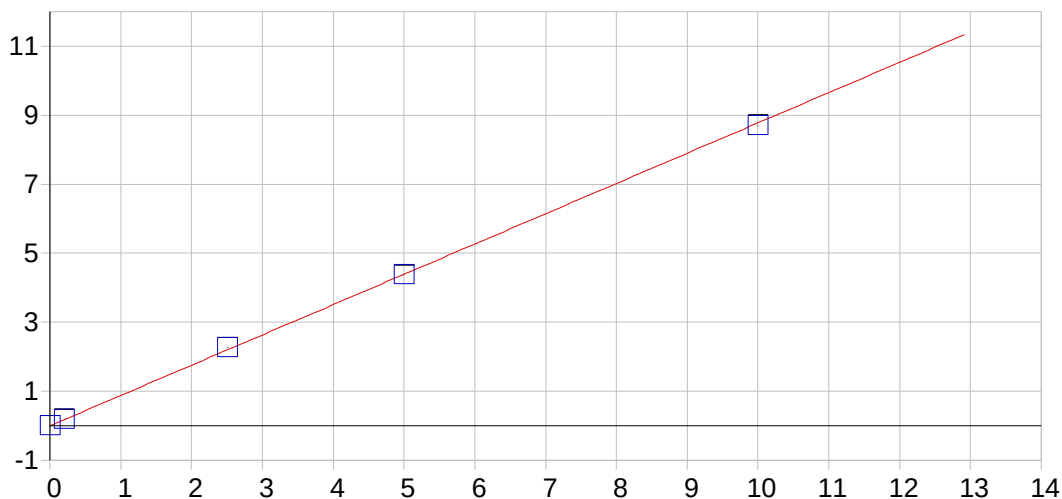
Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001840 Re-Slope: 1.000000  
 A1 (Gain): 0.006713 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999708  
 Std Error of Est: 0.000088  
 Predicted MDL: 0.061903  
 Predicted MQL: 0.206343

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.3173      | .317       | 15.9    | .01740 | .000    | 1        |
| S0        | .00000       | -.00029     | -.000      | .000    | .00184 | .000    | 1        |
| S3        | 12.500       | 12.478      | -.022      | -.177   | .08560 | .001    | 1        |
| S4        | 25.000       | 24.802      | -.198      | -.793   | .16832 | .001    | 1        |
| S5        | 50.000       | 49.903      | -.097      | -.194   | .33682 | .001    | 1        |



Mo 202.030 {467}

Date of Fit: 7/1/2019 16:49:40

Type of Fit: Linear

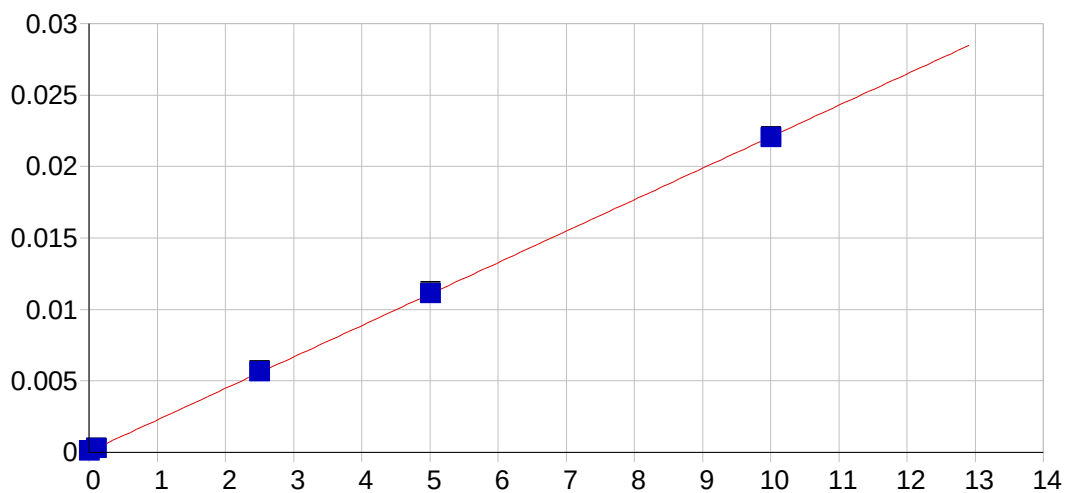
Weighting: 1/Conc

A0 (Offset): -0.000082  
 A1 (Gain): 0.877660  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999872  
 Std Error of Est: 0.001078  
 Predicted MDL: 0.000351  
 Predicted MQL: 0.001170

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    | -.00010 | .000    | 1        |
| S1        | .20000       | .21371      | .014       | 6.85    | .18748  | .001    | 1        |
| S3        | 2.5000       | 2.5849      | .085       | 3.40    | 2.2686  | .002    | 1        |
| S4        | 5.0000       | 4.9813      | -.019      | -.374   | 4.3718  | .006    | 1        |
| S5        | 10.000       | 9.9201      | -.080      | -.799   | 8.7064  | .012    | 1        |

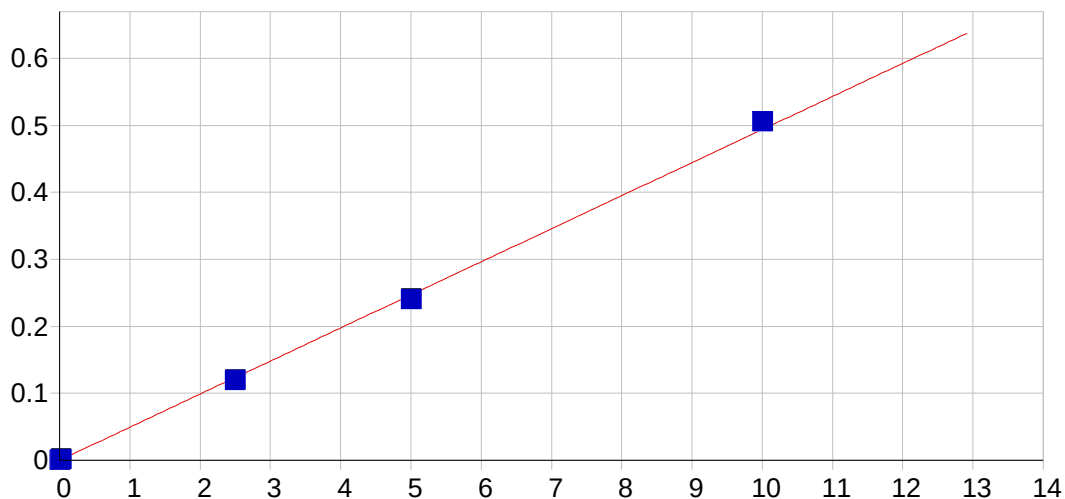


B 249.678 {135}

Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000069 Re-Slope: 1.000000  
 A1 (Gain): 0.002201 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999944 Status: OK.  
 Std Error of Est: 0.000001  
 Predicted MDL: 0.021152  
 Predicted MQL: 0.070508

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00007 | .000    | 1        |
| S1        | .10000       | .08729      | -.013      | -12.7   | .00026 | .000    | 1        |
| S3        | 2.5000       | 2.5226      | .023       | .905    | .00561 | .000    | 1        |
| S4        | 5.0000       | 5.0185      | .018       | .370    | .01109 | .000    | 1        |
| S5        | 10.000       | 9.9716      | -.028      | -.284   | .02196 | .000    | 1        |



S 182.034 {485}

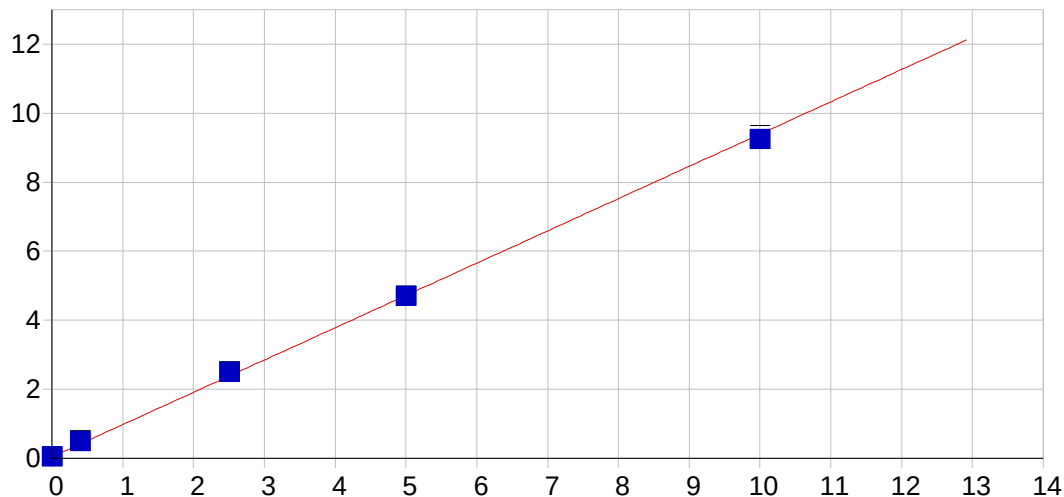
Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000143 Re-Slope: 1.000000  
 A1 (Gain): 0.049382 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999644  
 Std Error of Est: 0.000032  
 Predicted MDL: 0.003972  
 Predicted MQL: 0.013240

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00014 | .000    | 1        |
| S1        | .02000       | .02021      | .000       | 1.05    | .00111 | .000    | 1        |
| S3        | 2.5000       | 2.4079      | -.092      | -3.68   | .11892 | .001    | 1        |
| S4        | 5.0000       | 4.8623      | -.138      | -2.75   | .23998 | .000    | 1        |
| S5        | 10.000       | 10.230      | .230       | 2.30    | .50475 | .000    | 1        |



Date of Fit: 7/1/2019 16:49:40

Type of Fit: Linear

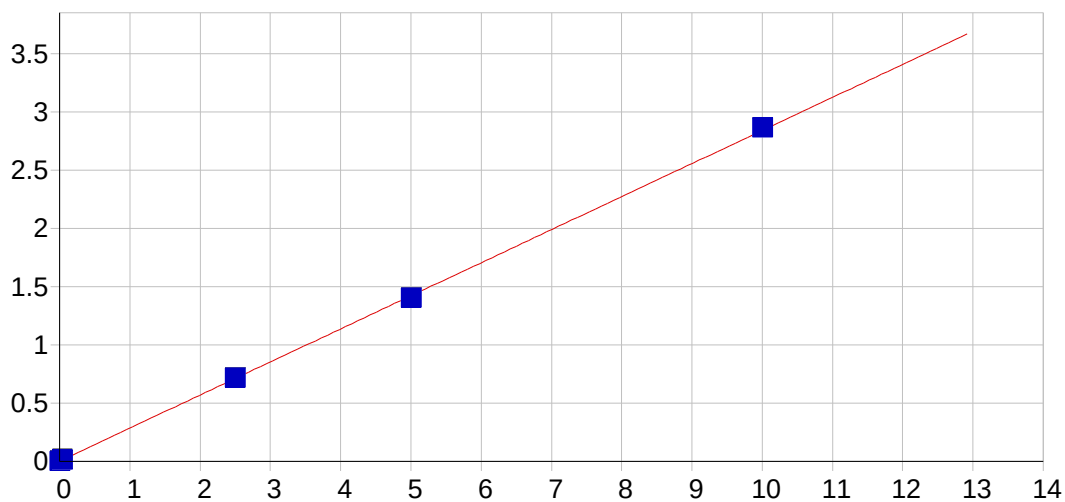
Weighting: 1/Conc

A0 (Offset): 0.041899  
 A1 (Gain): 0.935391  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999333  
 Std Error of Est: 0.003730  
 Predicted MDL: 0.003069  
 Predicted MQL: 0.010231

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       | -.00009     | -.000      | .000    | .04182 | .003    | 1        |
| S1        | .40000       | .47768      | .078       | 19.4    | .48841 | .008    | 1        |
| S3        | 2.5000       | 2.6206      | .121       | 4.82    | 2.4919 | .010    | 1        |
| S4        | 5.0000       | 4.9673      | -.033      | -.654   | 4.6858 | .008    | 1        |
| S5        | 10.000       | 9.8344      | -.166      | -1.66   | 9.2360 | .107    | 1        |

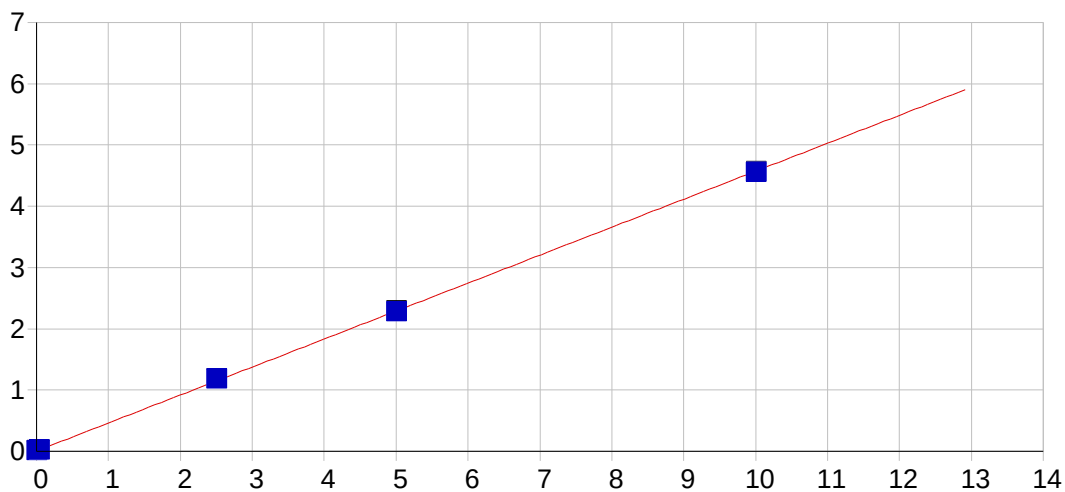


Sn 189.989 {477}

Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002208 Re-Slope: 1.000000  
 A1 (Gain): 0.283744 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999956 Status: OK.  
 Std Error of Est: 0.000091  
 Predicted MDL: 0.000713  
 Predicted MQL: 0.002377

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00221 | .000    | 1        |
| S1        | .04000       | .03966      | -.000      | -.861   | .01346 | .000    | 1        |
| S3        | 2.5000       | 2.5058      | .006       | .231    | .71333 | .000    | 1        |
| S4        | 5.0000       | 4.9267      | -.073      | -1.47   | 1.4004 | .002    | 1        |
| S5        | 10.000       | 10.068      | .068       | .678    | 2.8594 | .003    | 1        |



Ti 336.121 {100}

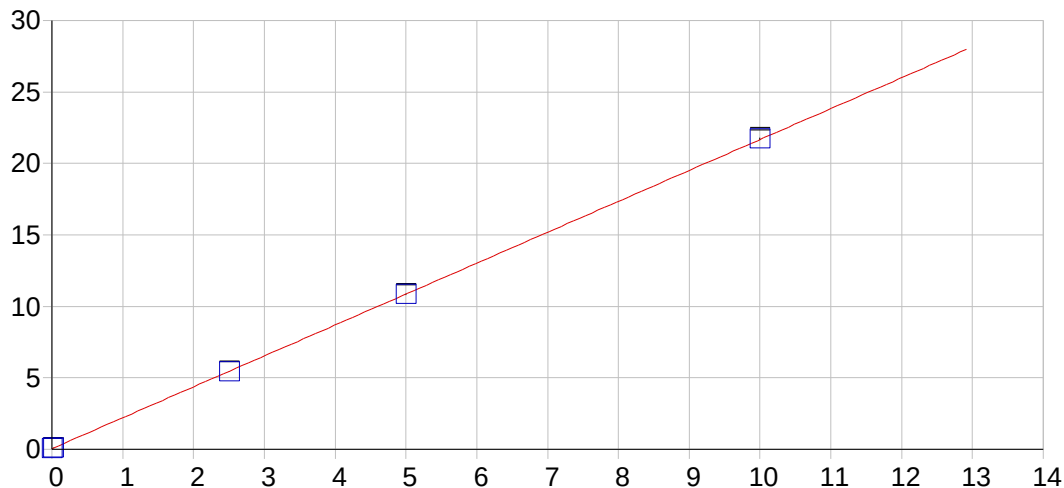
Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.005548 Re-Slope: 1.000000  
 A1 (Gain): 0.456659 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999941  
 Std Error of Est: 0.000170  
 Predicted MDL: 0.003102  
 Predicted MQL: 0.010340

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00555 | .002    | 1        |
| S1        | .04000       | .04039      | .000       | .981    | .02398 | .001    | 1        |
| S3        | 2.5000       | 2.5665      | .066       | 2.66    | 1.1774 | .003    | 1        |
| S4        | 5.0000       | 4.9796      | -.020      | -.409   | 2.2792 | .007    | 1        |
| S5        | 10.000       | 9.9536      | -.046      | -.464   | 4.5504 | .018    | 1        |



Li 670.784 { 50}

Date of Fit: 7/1/2019 16:49:40

Type of Fit: Linear

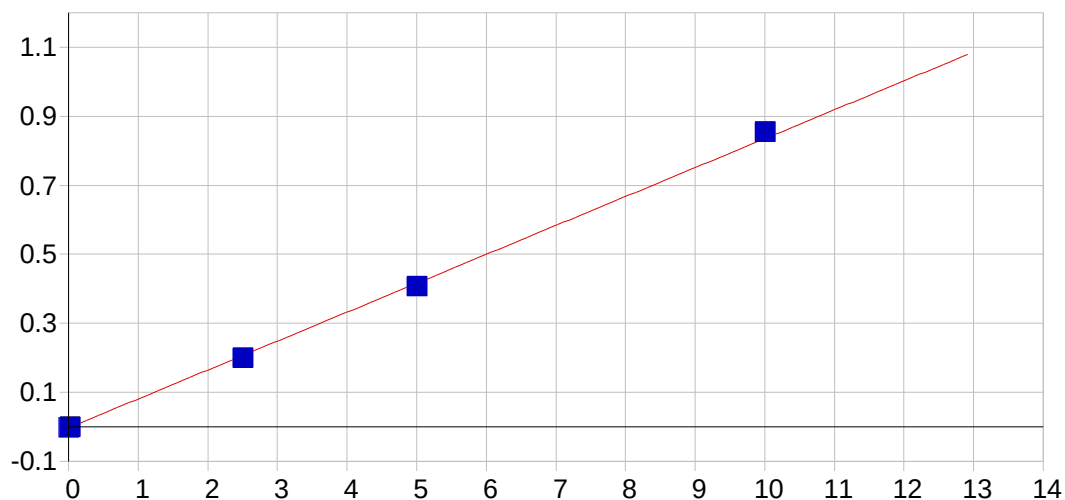
Weighting: 1/Conc

A0 (Offset): 0.047087  
 A1 (Gain): 2.162469  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999986  
 Std Error of Est: 0.000278  
 Predicted MDL: 0.002849  
 Predicted MQL: 0.009495

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    | .04709 | .001    | 1        |
| S1        | .02000       | .01737      | -.003      | -13.2   | .08464 | .005    | 1        |
| S3        | 2.5000       | 2.4915      | -.008      | -.338   | 5.4350 | .032    | 1        |
| S4        | 5.0000       | 4.9844      | -.016      | -.311   | 10.826 | .036    | 1        |
| S5        | 10.000       | 10.027      | .027       | .266    | 21.729 | .089    | 1        |

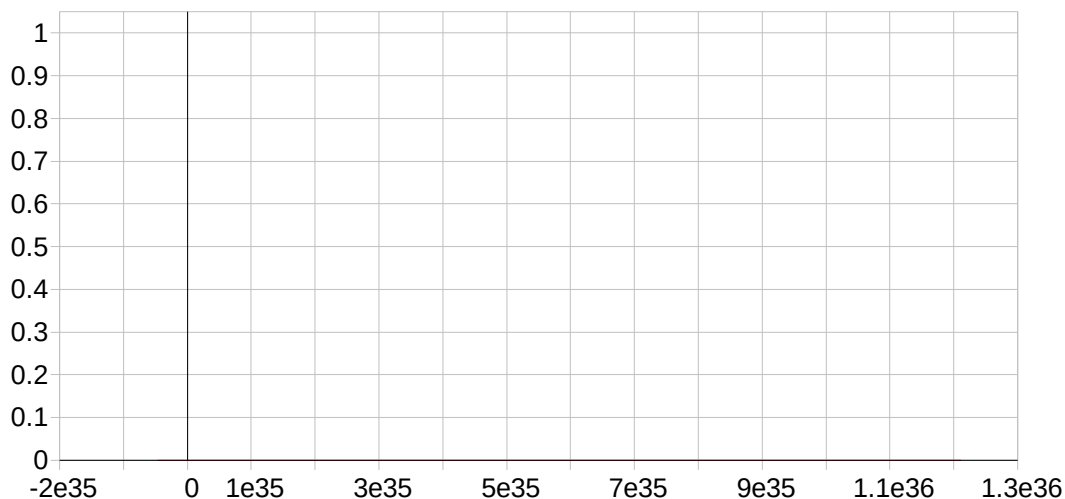


P 177.495 {490}

Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002814 Re-Slope: 1.000000  
 A1 (Gain): 0.083792 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999649 Status: OK.  
 Std Error of Est: 0.000054  
 Predicted MDL: 0.002183  
 Predicted MQL: 0.007276

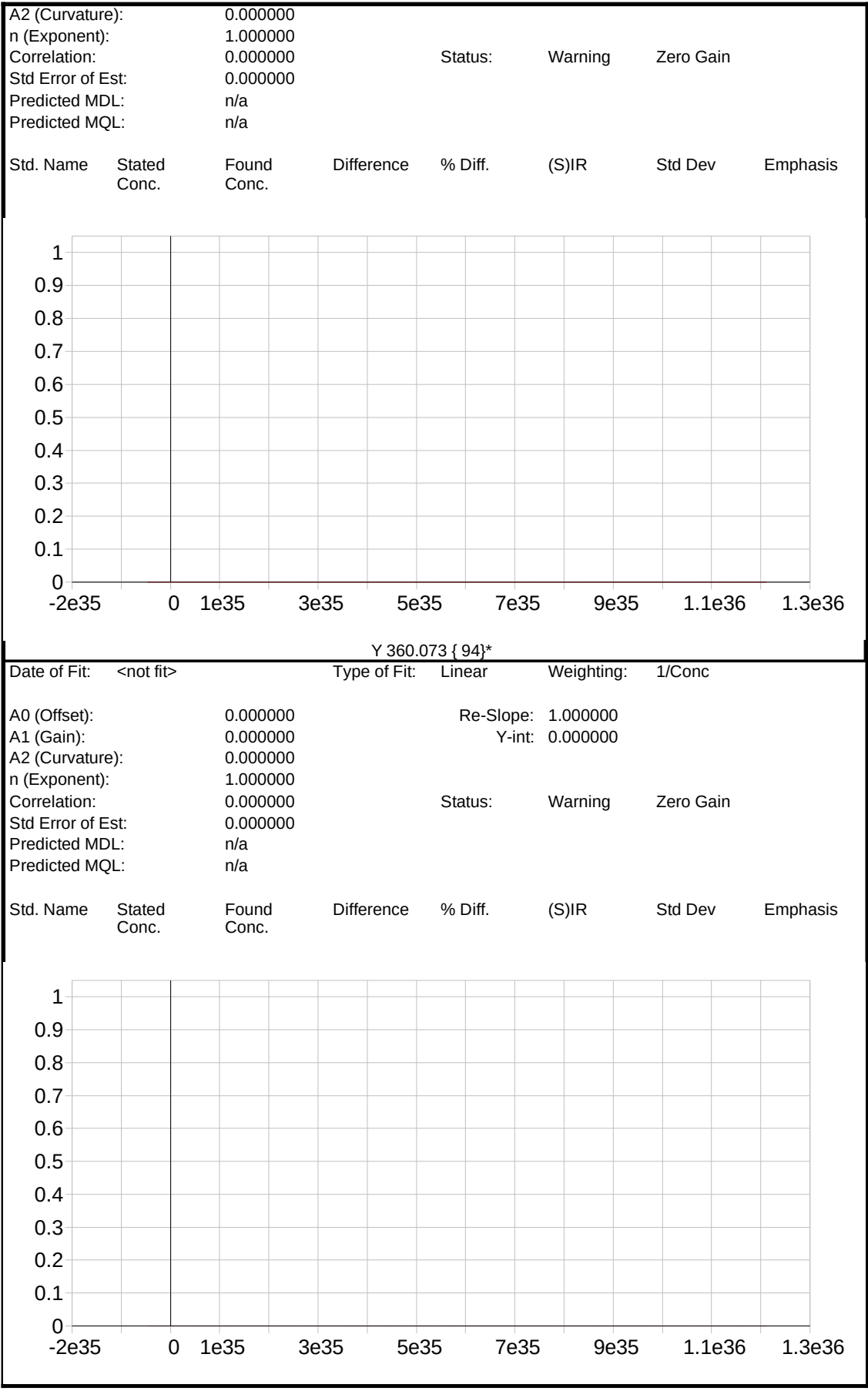
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00281 | .000    | 1        |
| S1        | .02000       | .02126      | .001       | 6.28    | -.00104 | .000    | 1        |
| S3        | 2.5000       | 2.3988      | -.101      | -4.05   | .19789  | .001    | 1        |
| S4        | 5.0000       | 4.8760      | -.124      | -2.48   | .40515  | .001    | 1        |
| S5        | 10.000       | 10.224      | .224       | 2.24    | .85265  | .001    | 1        |



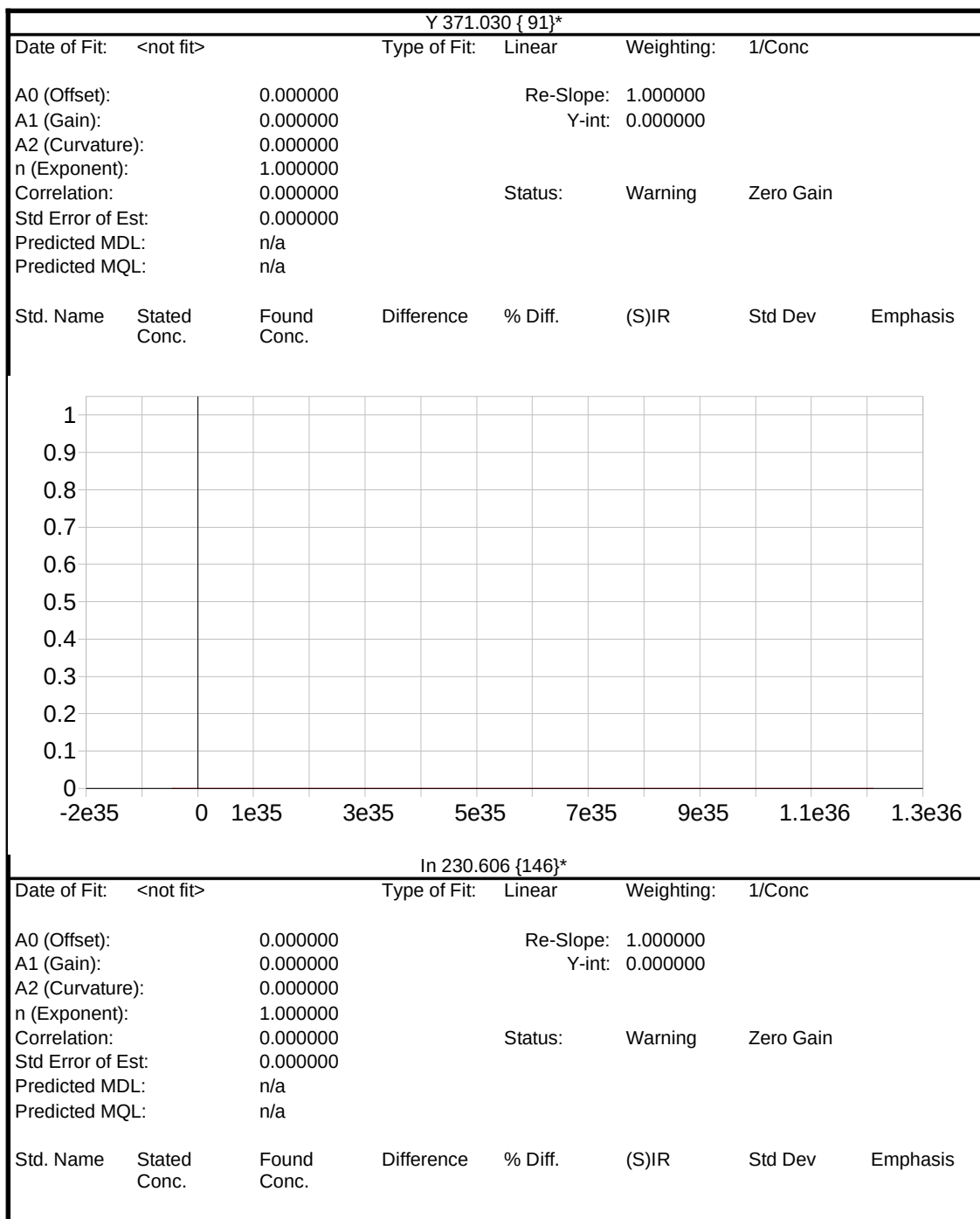
Y 224.306 {450}\*

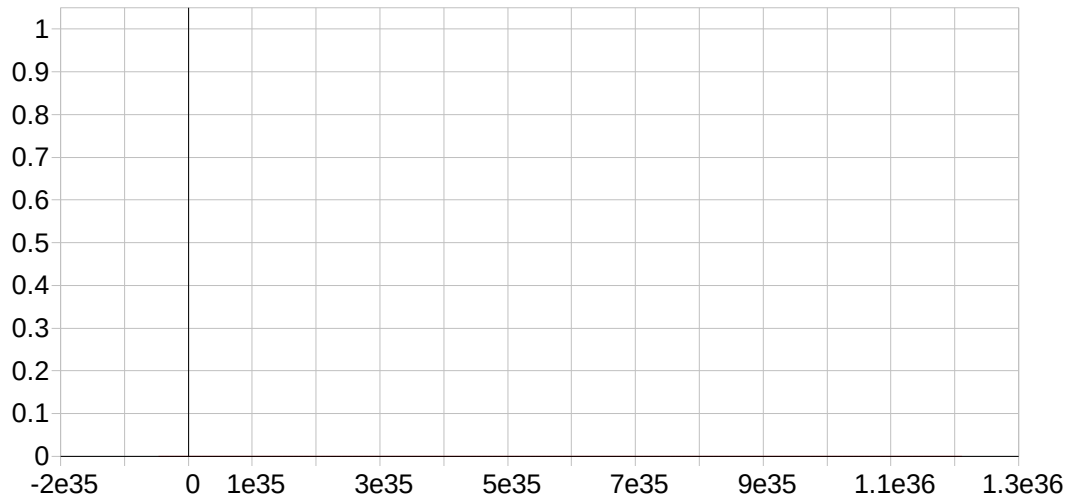
Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

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









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

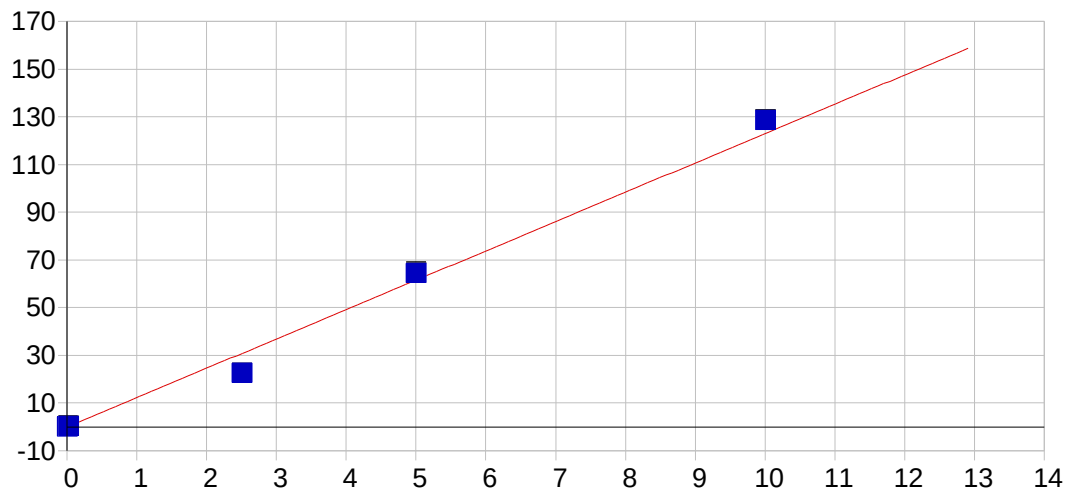
Status: Warning Zero Gain

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: 7/1/2019 16:49:40

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.002683

Re-Slope: 1.000000

A1 (Gain): 12.294867

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.993878

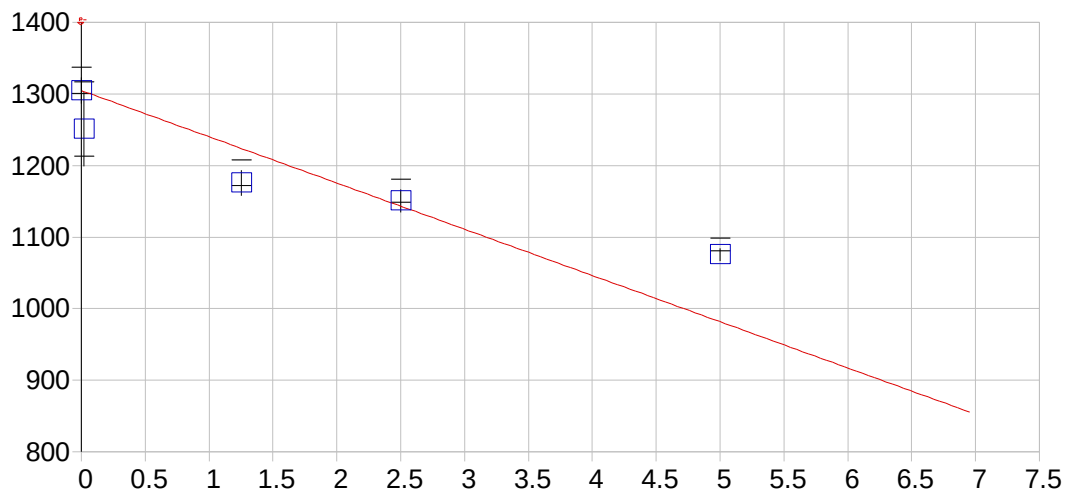
Status: OK.

Std Error of Est: 0.033047

Predicted MDL: 0.000207

Predicted MQL: 0.000691

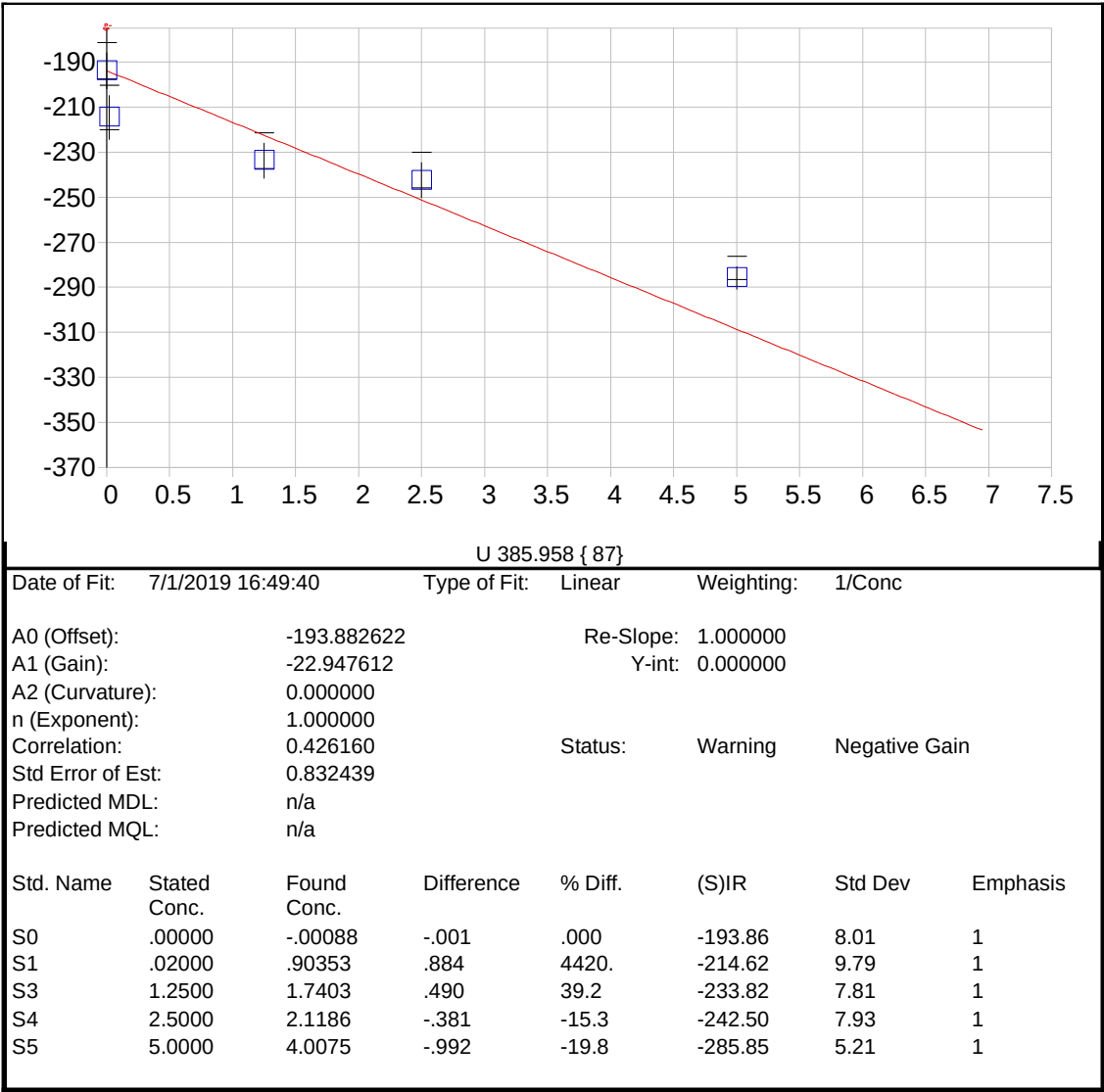
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00272 | .002    | 1        |
| S1        | .02000       | .02675      | .007       | 33.8    | .32761  | .002    | 1        |
| S3        | 2.5000       | 1.8208      | -.679      | -27.2   | 22.418  | .112    | 1        |
| S4        | 5.0000       | 5.2347      | .235       | 4.69    | 64.425  | .449    | 1        |
| S5        | 10.000       | 10.438      | .438       | 4.38    | 128.46  | .304    | 1        |



Date of Fit: 7/1/2019 16:49:40 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 1304.706921 Re-Slope: 1.000000  
A1 (Gain): -64.603803 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.450038 Status: Warning Negative Gain  
Std Error of Est: 2.190650  
Predicted MDL: n/a  
Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00083     | -.001      | .000    | 1304.8 | 18.5    | 1        |
| S1        | .02000       | .84008      | .820       | 4100.   | 1250.4 | 51.9    | 1        |
| S3        | 1.2500       | 1.9960      | .746       | 59.7    | 1175.8 | 17.9    | 1        |
| S4        | 2.5000       | 2.3812      | -.119      | -4.75   | 1150.9 | 16.1    | 1        |
| S5        | 5.0000       | 3.5527      | -1.45      | -28.9   | 1075.2 | 8.88    | 1        |



Sample Name: S0      Acquired: 7/1/2019 10:59:46      Type: Cal  
Method: P4-ICP2(v3245)      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    | .00012 | .00017 | .00788 | .00046 | .00144 | .00073 | -.00294 | .00001 |
| Stddev | .00008 | .00007 | .00037 | .00028 | .00007 | .00015 | .00039  | .00008 |
| %RSD   | 67.131 | 41.931 | 4.6956 | 60.490 | 5.0638 | 21.203 | 13.343  | 565.11 |

|    |        |        |        |        |        |        |         |         |
|----|--------|--------|--------|--------|--------|--------|---------|---------|
| #1 | .00008 | .00019 | .00826 | .00024 | .00144 | .00087 | -.00286 | .00003  |
| #2 | .00021 | .00009 | .00752 | .00036 | .00136 | .00074 | -.00337 | .00008  |
| #3 | .00006 | .00022 | .00788 | .00077 | .00151 | .00056 | -.00259 | -.00007 |

|        |         |        |        |         |        |        |         |        |
|--------|---------|--------|--------|---------|--------|--------|---------|--------|
| 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    | -.00531 | .00451 | .00066 | -.00088 | .00315 | .00334 | -.00027 | .00015 |
| Stddev | .00060  | .00240 | .00010 | .00009  | .00026 | .00011 | .00009  | .00003 |
| %RSD   | 11.335  | 53.274 | 15.779 | 10.012  | 8.1446 | 3.3123 | 31.723  | 21.358 |

|    |         |        |        |         |        |        |         |        |
|----|---------|--------|--------|---------|--------|--------|---------|--------|
| #1 | -.00497 | .00389 | .00066 | -.00097 | .00342 | .00326 | -.00018 | .00014 |
| #2 | -.00495 | .00248 | .00056 | -.00089 | .00313 | .00346 | -.00034 | .00013 |
| #3 | -.00601 | .00716 | .00076 | -.00079 | .00290 | .00329 | -.00029 | .00019 |

|        |         |         |        |        |        |        |         |        |
|--------|---------|---------|--------|--------|--------|--------|---------|--------|
| 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    | -.01370 | -.00136 | .01125 | .00130 | .00301 | .00184 | -.00010 | .00007 |
| Stddev | .00052  | .00016  | .00023 | .00006 | .00016 | .00044 | .00020  | .00001 |
| %RSD   | 3.8219  | 11.651  | 2.0111 | 4.8207 | 5.4191 | 24.106 | 206.47  | 14.401 |

|    |         |         |        |        |        |        |         |        |
|----|---------|---------|--------|--------|--------|--------|---------|--------|
| #1 | -.01377 | -.00131 | .01143 | .00134 | .00319 | .00141 | -.00011 | .00006 |
| #2 | -.01314 | -.00153 | .01100 | .00122 | .00287 | .00181 | .00011  | .00007 |
| #3 | -.01418 | -.00123 | .01134 | .00133 | .00297 | .00230 | -.00029 | .00008 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 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    | .00014 | .04182 | .00221 | .00555 | .04709 | -.0028 | -.00272 | 1304.8 |
| Stddev | .00003 | .00267 | .00008 | .00168 | .00106 | .0001  | .00163  | 18.5   |
| %RSD   | 20.657 | 6.3847 | 3.8051 | 30.314 | 2.2524 | 3.753  | 59.727  | 1.4195 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00011 | .03927 | .00229 | .00749 | .04776 | -.0027 | -.00120 | 1313.9 |
| #2 | .00016 | .04159 | .00221 | .00459 | .04764 | -.0028 | -.00253 | 1317.0 |
| #3 | .00016 | .04459 | .00213 | .00456 | .04587 | -.0029 | -.00443 | 1283.4 |

Sample Name: S0      Acquired: 7/1/2019 10:59:46      Type: Cal  
 Method: P4-ICP2(v3245)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -193.86 |
| Stddev | 8.01    |
| %RSD   | 4.1313  |

|    |         |
|----|---------|
| #1 | -184.67 |
| #2 | -199.35 |
| #3 | -197.56 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2395.7 | 26325. | 1651.6 | 25.463 | 2665.1 |
| Stddev    | 2.6    | 46.    | 5.3    | 1.000  | 3.2    |
| %RSD      | .10821 | .17563 | .31962 | 3.9255 | .12091 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2393.3 | 26304. | 1650.3 | 25.268 | 2668.6 |
| #2 | 2398.5 | 26293. | 1647.1 | 24.575 | 2662.3 |
| #3 | 2395.3 | 26378. | 1657.4 | 26.545 | 2664.3 |

Sample Name: S1      Acquired: 7/1/2019 11:04:13      Type: Cal  
Method: P4-ICP2(v3245)      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    | .00127 | .00742 | .01249 | .00173 | .00944  | .00137 | .03783 | .00802 |
| Stddev | .00008 | .00043 | .00017 | .00029 | .00035  | .00025 | .00090 | .00031 |
| %RSD   | 5.9959 | 5.7667 | 1.3304 | 16.650 | 3.6817  | 18.040 | 2.3729 | 3.8138 |
| #1     | .00131 | .00739 | .01265 | .00205 | .00926  | .00113 | .03778 | .00787 |
| #2     | .00131 | .00786 | .01232 | .00162 | .00923  | .00162 | .03875 | .00837 |
| #3     | .00118 | .00701 | .01250 | .00151 | .00984  | .00135 | .03696 | .00781 |
| 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    | .02328 | .00428 | .04050 | .02456 | .02067  | .03234 | .02113 | .00289 |
| Stddev | .00010 | .00004 | .00033 | .00073 | .00054  | .00068 | .00037 | .00023 |
| %RSD   | .42646 | 1.0104 | .82176 | 2.9537 | 2.6109  | 2.1085 | 1.7384 | 8.0210 |
| #1     | .02322 | .00427 | .04081 | .02386 | .02036  | .03216 | .02154 | .00262 |
| #2     | .02323 | .00424 | .04015 | .02531 | .02130  | .03310 | .02102 | .00305 |
| #3     | .02340 | .00432 | .04054 | .02452 | .02037  | .03177 | .02084 | .00299 |
| 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    | .01505 | .10651 | .18748 | .00026 | .00111  | .48841 | .01346 | .02398 |
| Stddev | .00037 | .00012 | .00057 | .00001 | .00030  | .00824 | .00028 | .00060 |
| %RSD   | 2.4274 | .11377 | .30310 | 4.7776 | 27.229  | 1.6869 | 2.0522 | 2.5157 |
| #1     | .01499 | .10637 | .18789 | .00027 | .00094  | .48364 | .01376 | .02460 |
| #2     | .01544 | .10658 | .18771 | .00027 | .00146  | .49792 | .01323 | .02339 |
| #3     | .01472 | .10658 | .18683 | .00025 | .00093  | .48366 | .01339 | .02396 |
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |        |        |        |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |        |        |        |
| Avg    | .08464 | -.0010 | .32761 | 1250.4 | -214.62 |        |        |        |
| Stddev | .00543 | .0002  | .00155 | 51.9   | 9.79    |        |        |        |
| %RSD   | 6.4156 | 17.18  | .47421 | 4.1497 | 4.5622  |        |        |        |
| #1     | .09080 | -.0008 | .32698 | 1287.7 | -214.36 |        |        |        |
| #2     | .08052 | -.0011 | .32938 | 1191.2 | -224.53 |        |        |        |
| #3     | .08262 | -.0012 | .32647 | 1272.5 | -204.95 |        |        |        |

Sample Name: S1      Acquired: 7/1/2019 11:04:13      Type: Cal  
Method: P4-ICP2(v3245)      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       | 2420.7 | 26375. | 1673.6 | 26.523 | 2663.5 |
| Stddev    | 5.8    | 497.   | 7.0    | .277   | 9.1    |
| %RSD      | .23841 | 1.8853 | .41854 | 1.0429 | .34011 |
| #1        | 2416.9 | 26645. | 1679.3 | 26.334 | 2653.4 |
| #2        | 2417.7 | 25801. | 1675.7 | 26.395 | 2666.3 |
| #3        | 2427.3 | 26679. | 1665.8 | 26.841 | 2670.9 |



Sample Name: S2      Acquired: 7/1/2019 11:08:39      Type: Cal  
 Method: P4-ICP2(v3245)      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    | .18531 | .00189 | .07605 | .01740 |
| Stddev | .00168 | .00003 | .00032 | .00004 |
| %RSD   | .90716 | 1.8320 | .42552 | .20231 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .18707 | .00187 | .07592 | .01744 |
| #2 | .18372 | .00193 | .07581 | .01738 |
| #3 | .18515 | .00188 | .07642 | .01737 |

|           |        |        |
|-----------|--------|--------|
| Int. Std. | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  |
| Avg       | 26550. | 1676.7 |
| Stddev    | 60.    | 42.2   |
| %RSD      | .22518 | 2.5174 |

|    |        |        |
|----|--------|--------|
| #1 | 26490. | 1628.0 |
| #2 | 26549. | 1701.8 |
| #3 | 26610. | 1700.4 |

Sample Name: S3      Acquired: 7/1/2019 11:12:52      Type: Cal  
Method: P4-ICP2(v3245)      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    | .14566 | .44397 | .93818 | .18095 | .38858 | .02702 | 1.9370 | .15831 |
| Stddev | .00036 | .00043 | .00103 | .00047 | .00142 | .00011 | .0072  | .00086 |
| %RSD   | .24549 | .09743 | .11023 | .26105 | .36477 | .42315 | .36986 | .54313 |
| #1     | .14573 | .44357 | .93700 | .18080 | .38809 | .02698 | 1.9452 | .15819 |
| #2     | .14527 | .44392 | .93860 | .18147 | .38748 | .02715 | 1.9337 | .15922 |
| #3     | .14598 | .44443 | .93894 | .18056 | .39018 | .02693 | 1.9321 | .15751 |
| 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    | 5.9905 | .90119 | .15213 | 1.7680 | .64391 | .39116 | 1.8443 | .00924 |
| Stddev | .0050  | .00318 | .00023 | .0015  | .00071 | .00075 | .0041  | .00001 |
| %RSD   | .08345 | .35295 | .15286 | .08422 | .11075 | .19281 | .22314 | .06733 |
| #1     | 5.9919 | .89881 | .15239 | 1.7663 | .64396 | .39029 | 1.8397 | .00924 |
| #2     | 5.9849 | .90480 | .15207 | 1.7687 | .64459 | .39151 | 1.8478 | .00925 |
| #3     | 5.9946 | .89995 | .15194 | 1.7691 | .64317 | .39167 | 1.8453 | .00923 |
| 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    | 1.0575 | .23861 | .36318 | .41652 | 2.8427 | .08560 | 2.2686 | .00561 |
| Stddev | .0006  | .00033 | .00091 | .00065 | .0020  | .00052 | .0021  | .00009 |
| %RSD   | .05587 | .14033 | .25056 | .15547 | .07004 | .60428 | .09181 | 1.5345 |
| #1     | 1.0570 | .23852 | .36420 | .41632 | 2.8431 | .08617 | 2.2682 | .00571 |
| #2     | 1.0574 | .23833 | .36289 | .41724 | 2.8406 | .08516 | 2.2667 | .00555 |
| #3     | 1.0582 | .23898 | .36245 | .41599 | 2.8445 | .08547 | 2.2709 | .00557 |
| 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    | .11892 | 2.4919 | .71333 | 1.1774 | 5.4350 | .1979  | 22.418 | 1175.8 |
| Stddev | .00055 | .0102  | .00013 | .0032  | .0318  | .0006  | .112   | 17.9   |
| %RSD   | .46146 | .40934 | .01797 | .27552 | .58426 | .2822  | .49915 | 1.5196 |
| #1     | .11859 | 2.4971 | .71318 | 1.1799 | 5.4415 | .1980  | 22.477 | 1193.7 |
| #2     | .11955 | 2.4986 | .71338 | 1.1785 | 5.4630 | .1973  | 22.488 | 1175.7 |
| #3     | .11860 | 2.4802 | .71342 | 1.1737 | 5.4005 | .1984  | 22.289 | 1157.9 |

Sample Name: S3      Acquired: 7/1/2019 11:12:52      Type: Cal  
Method: P4-ICP2(v3245)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -233.82 |
| Stddev | 7.81    |
| %RSD   | 3.3383  |

|    |         |
|----|---------|
| #1 | -232.96 |
| #2 | -226.48 |
| #3 | -242.02 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2385.5 | 26474. | 1698.8 | 26.061 | 2499.4 |
| Stddev    | 1.8    | 115.   | 7.0    | .799   | 2.0    |
| %RSD      | .07753 | .43489 | .41264 | 3.0666 | .08184 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2383.9 | 26345. | 1695.7 | 25.227 | 2497.2 |
| #2 | 2387.5 | 26564. | 1693.9 | 26.820 | 2501.2 |
| #3 | 2385.1 | 26514. | 1706.9 | 26.137 | 2499.9 |

Sample Name: S4      Acquired: 7/1/2019 11:16:58      Type: Cal  
Method: P4-ICP2(v3245)      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    | .28475 | .87376 | 1.8361 | .35347 | .76248 | .05309 | 3.8147 | .30650 |
| Stddev | .00027 | .00163 | .0006  | .00075 | .00122 | .00044 | .0098  | .00030 |
| %RSD   | .09597 | .18628 | .03051 | .21139 | .15960 | .83771 | .25610 | .09858 |
| #1     | .28461 | .87189 | 1.8355 | .35333 | .76200 | .05269 | 3.8051 | .30661 |
| #2     | .28457 | .87486 | 1.8361 | .35281 | .76158 | .05302 | 3.8246 | .30673 |
| #3     | .28506 | .87452 | 1.8366 | .35429 | .76387 | .05357 | 3.8143 | .30616 |
| 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    | 11.927 | 1.7371 | .29208 | 3.4720 | 1.2266 | .73959 | 3.5475 | .01810 |
| Stddev | .021   | .0089  | .00030 | .0052  | .0008  | .00150 | .0028  | .00012 |
| %RSD   | .17632 | .51366 | .10429 | .14820 | .06391 | .20268 | .07785 | .64222 |
| #1     | 11.903 | 1.7332 | .29223 | 3.4668 | 1.2272 | .73982 | 3.5477 | .01811 |
| #2     | 11.937 | 1.7309 | .29173 | 3.4722 | 1.2270 | .74096 | 3.5447 | .01798 |
| #3     | 11.941 | 1.7474 | .29228 | 3.4771 | 1.2257 | .73799 | 3.5502 | .01822 |
| 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    | 2.0784 | .46345 | .70831 | .80046 | 5.5787 | .16832 | 4.3718 | .01109 |
| Stddev | .0036  | .00054 | .00288 | .00081 | .0067  | .00109 | .0056  | .00011 |
| %RSD   | .17501 | .11573 | .40685 | .10098 | .12083 | .64862 | .12748 | 1.0036 |
| #1     | 2.0762 | .46318 | .70519 | .80025 | 5.5741 | .16707 | 4.3703 | .01101 |
| #2     | 2.0764 | .46407 | .71087 | .80136 | 5.5755 | .16908 | 4.3671 | .01122 |
| #3     | 2.0826 | .46311 | .70887 | .79978 | 5.5864 | .16882 | 4.3780 | .01104 |
| 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    | .23998 | 4.6858 | 1.4004 | 2.2792 | 10.826 | .4051  | 64.425 | 1150.9 |
| Stddev | .00033 | .0078  | .0024  | .0066  | .036   | .0008  | .449   | 16.1   |
| %RSD   | .13921 | .16633 | .17369 | .29052 | .33510 | .2028  | .69694 | 1.3978 |
| #1     | .23976 | 4.6867 | 1.4003 | 2.2866 | 10.840 | .4051  | 64.859 | 1132.3 |
| #2     | .24036 | 4.6931 | 1.3980 | 2.2772 | 10.853 | .4060  | 64.453 | 1160.1 |
| #3     | .23981 | 4.6776 | 1.4029 | 2.2738 | 10.785 | .4043  | 63.963 | 1160.2 |

Sample Name: S4      Acquired: 7/1/2019 11:16:58      Type: Cal  
 Method: P4-ICP2(v3245)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -242.50 |
| Stddev | 7.93    |
| %RSD   | 3.2690  |

|    |         |
|----|---------|
| #1 | -233.35 |
| #2 | -247.10 |
| #3 | -247.05 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2360.2 | 26206. | 1701.6 | 26.936 | 2405.4 |
| Stddev    | 2.8    | 71.    | 15.1   | 1.245  | 2.6    |
| %RSD      | .12034 | .26929 | .88650 | 4.6208 | .10766 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2361.1 | 26125. | 1684.5 | 28.149 | 2408.1 |
| #2 | 2362.5 | 26252. | 1707.6 | 26.995 | 2405.1 |
| #3 | 2357.0 | 26242. | 1712.8 | 25.662 | 2403.0 |

Sample Name: S5      Acquired: 7/1/2019 11:20:57      Type: Cal  
Method: P4-ICP2(v3245)      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    | .57316 | 1.7618 | 3.7398 | .70543 | 1.5305 | .10527 | 7.6513 | .60759 |
| Stddev | .00211 | .0028  | .0102  | .00186 | .0041  | .00049 | .0446  | .00163 |
| %RSD   | .36877 | .15691 | .27183 | .26395 | .26554 | .46128 | .58317 | .26881 |
| #1     | .57553 | 1.7618 | 3.7388 | .70706 | 1.5352 | .10574 | 7.6985 | .60846 |
| #2     | .57248 | 1.7645 | 3.7504 | .70583 | 1.5289 | .10477 | 7.6099 | .60860 |
| #3     | .57147 | 1.7590 | 3.7302 | .70340 | 1.5276 | .10530 | 7.6454 | .60570 |
| 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    | 24.447 | 3.4556 | .57270 | 7.1100 | 2.4111 | 1.4508 | 6.9905 | .03586 |
| Stddev | .040   | .0098  | .00070 | .0074  | .0061  | .0002  | .0082  | .00004 |
| %RSD   | .16525 | .28402 | .12214 | .10454 | .25298 | .01088 | .11674 | .10271 |
| #1     | 24.444 | 3.4453 | .57342 | 7.1058 | 2.4181 | 1.4509 | 6.9997 | .03590 |
| #2     | 24.489 | 3.4568 | .57264 | 7.1186 | 2.4066 | 1.4506 | 6.9875 | .03584 |
| #3     | 24.408 | 3.4648 | .57202 | 7.1056 | 2.4088 | 1.4509 | 6.9842 | .03584 |
| 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    | 4.2463 | .91780 | 1.4192 | 1.5905 | 11.490 | .33682 | 8.7064 | .02196 |
| Stddev | .0044  | .00070 | .0074  | .0025  | .016   | .00091 | .0121  | .00008 |
| %RSD   | .10336 | .07641 | .51885 | .15987 | .13831 | .26922 | .13885 | .35688 |
| #1     | 4.2452 | .91858 | 1.4263 | 1.5925 | 11.490 | .33782 | 8.7202 | .02204 |
| #2     | 4.2511 | .91723 | 1.4116 | 1.5876 | 11.506 | .33606 | 8.6977 | .02188 |
| #3     | 4.2425 | .91757 | 1.4196 | 1.5914 | 11.475 | .33656 | 8.7012 | .02197 |
| 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    | .50475 | 9.2360 | 2.8594 | 4.5504 | 21.729 | .8526  | 128.46 | 1075.2 |
| Stddev | .00040 | .1073  | .0028  | .0177  | .089   | .0014  | .30    | 8.9    |
| %RSD   | .07990 | 1.1618 | .09731 | .38949 | .40863 | .1591  | .23640 | .82600 |
| #1     | .50429 | 9.1122 | 2.8623 | 4.5299 | 21.638 | .8531  | 128.13 | 1065.6 |
| #2     | .50490 | 9.2924 | 2.8568 | 4.5607 | 21.736 | .8537  | 128.52 | 1083.2 |
| #3     | .50506 | 9.3033 | 2.8590 | 4.5605 | 21.815 | .8511  | 128.73 | 1076.7 |

Sample Name: S5      Acquired: 7/1/2019 11:20:57      Type: Cal  
Method: P4-ICP2(v3245)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -285.85 |
| Stddev | 5.21    |
| %RSD   | 1.8232  |

|    |         |
|----|---------|
| #1 | -287.19 |
| #2 | -290.25 |
| #3 | -280.09 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2305.2 | 25948. | 1691.5 | 25.239 | 2264.3 |
| Stddev    | 6.5    | 95.    | 11.7   | 1.256  | 1.6    |
| %RSD      | .28274 | .36425 | .68915 | 4.9771 | .07175 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2297.8 | 25876. | 1702.7 | 23.909 | 2263.7 |
| #2 | 2309.9 | 25912. | 1679.4 | 26.405 | 2263.2 |
| #3 | 2307.9 | 26055. | 1692.5 | 25.401 | 2266.2 |

Sample Name: ICV01      Acquired: 7/1/2019 11:24:53      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0124 | 1.0453 | .99298 | 1.0221 | 1.0125 | 2.5973 | .51378 |
| Stddev | .0050  | .0026  | .00283 | .0042  | .0025  | .0605  | .00496 |
| %RSD   | .49745 | .24630 | .28519 | .41298 | .24638 | 2.3303 | .96552 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0172 | 1.0429 | .99404 | 1.0210 | 1.0128 | 2.5383 | .50868 |
| #2 | 1.0071 | 1.0448 | .98977 | 1.0185 | 1.0098 | 2.5943 | .51405 |
| #3 | 1.0130 | 1.0480 | .99513 | 1.0267 | 1.0148 | 2.6592 | .51859 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50339 | .48285 | 10.273 | .51279 | .49724 | .50915 | 5.2020 |
| Stddev | .00114 | .00140 | .072   | .00086 | .00105 | .00191 | .0048  |
| %RSD   | .22725 | .29059 | .69715 | .16856 | .21195 | .37570 | .09145 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50440 | .48267 | 10.266 | .51334 | .49808 | .50696 | 5.1979 |
| #2 | .50215 | .48155 | 10.206 | .51180 | .49606 | .50999 | 5.2008 |
| #3 | .50363 | .48434 | 10.348 | .51324 | .49759 | .51050 | 5.2072 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51795 | 6.0020 | .50214 | .51889 | 9.9456 | .51596 | .97458 |
| Stddev | .00054 | .0675  | .00030 | .00171 | .0630  | .00063 | .00174 |
| %RSD   | .10376 | 1.1252 | .05971 | .32933 | .63329 | .12240 | .17895 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .51813 | 5.9303 | .50244 | .51795 | 9.8751 | .51524 | .97365 |
| #2 | .51735 | 6.0113 | .50216 | .52086 | 9.9654 | .51621 | .97351 |
| #3 | .51838 | 6.0643 | .50184 | .51785 | 9.9963 | .51642 | .97660 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.9017 | 2.6212 | 2.5773 | F .83037 | 2.5229 | 2.5132 | 2.5966 |
| Stddev | .0336  | .0087  | .0511  | .00573   | .0181  | .0101  | .0166  |
| %RSD   | .33917 | .33146 | 1.9822 | .69013   | .71825 | .40008 | .63983 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.8700 | 2.6115 | 2.5259 | .83427 | 2.5365 | 2.5074 | 2.5898 |
| #2 | 9.8982 | 2.6237 | 2.5780 | .82379 | 2.5023 | 2.5074 | 2.5845 |
| #3 | 9.9369 | 2.6283 | 2.6280 | .83306 | 2.5299 | 2.5248 | 2.6156 |



Sample Name: ICV01      Acquired: 7/1/2019 11:24:53      Type: Unk  
 Method: P4-ICP2(v3245)      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 -.00624 | F -.0055 | F .00909 | F 2.3115 | F 2.1871 |
| Stddev    | .00125    | .0022    | .00013   | .1204    | .3273    |
| %RSD      | 19.986    | 40.48    | 1.4089   | 5.2100   | 14.966   |
| #1        | -.00485   | -.0064   | .00910   | 2.3123   | 2.1369   |
| #2        | -.00725   | -.0071   | .00896   | 2.1907   | 2.5366   |
| #3        | -.00663   | -.0030   | .00921   | 2.4315   | 1.8878   |
| Int. Std. | Y_2243    | Y_3600   | Y_3710   | In2306   | In2306   |
| Units     | Cts/S     | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2416.8    | 26856.   | 1723.6   | 26.376   | 2575.3   |
| Stddev    | 2.9       | 77.      | 13.1     | 1.522    | 4.1      |
| %RSD      | .12039    | .28656   | .75815   | 5.7696   | .15791   |
| #1        | 2417.9    | 26860.   | 1712.8   | 24.652   | 2570.6   |
| #2        | 2413.6    | 26930.   | 1738.1   | 26.941   | 2577.7   |
| #3        | 2419.1    | 26776.   | 1720.0   | 27.534   | 2577.5   |

Sample Name: LLICV01      Acquired: 7/1/2019 11:35:25      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |        |          |        |          |          |
|--------|----------|--------|--------|--------|----------|--------|----------|----------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068   | Al3961 | Ba4934   | Be2348   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | .02162   | .04104 | .01191 | .01707 | .05207   | .10882 | .10372   | .00644   |
| Stddev | .00217   | .00059 | .00018 | .00263 | .00136   | .02027 | .00093   | .00002   |
| %RSD   | 10.049   | 1.4296 | 1.5311 | 15.378 | 2.6041   | 18.630 | .89465   | .34918   |
| #1     | .02306   | .04056 | .01178 | .02009 | .05363   | .12079 | .10373   | .00643   |
| #2     | .02268   | .04087 | .01211 | .01576 | .05121   | .08541 | .10465   | .00643   |
| #3     | .01912   | .04169 | .01182 | .01536 | .05136   | .12025 | .10279   | .00647   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576   | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | .00581   | 2.0464 | .01047 | .02890 | .01897   | .10600 | .02224   | 1.9825   |
| Stddev | .00004   | .0936  | .00023 | .00017 | .00027   | .00067 | .00010   | .0448    |
| %RSD   | .62778   | 4.5727 | 2.1774 | .59776 | 1.4472   | .63160 | .46435   | 2.2619   |
| #1     | .00584   | 1.9427 | .01021 | .02889 | .01870   | .10523 | .02215   | 1.9312   |
| #2     | .00583   | 2.0719 | .01057 | .02873 | .01925   | .10645 | .02222   | 2.0145   |
| #3     | .00577   | 2.1246 | .01063 | .02908 | .01897   | .10632 | .02236   | 2.0017   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020   | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | .03980   | .01136 | 1.8106 | .04119 | .03802   | 1.8974 | .21116   | F .05461 |
| Stddev | .00044   | .00052 | .0181  | .00021 | .00015   | .0246  | .00038   | .01420   |
| %RSD   | 1.1167   | 4.5497 | .99957 | .50904 | .40079   | 1.2966 | .17964   | 25.994   |
| #1     | .03957   | .01128 | 1.7963 | .04139 | .03812   | 1.8844 | .21075   | .04533   |
| #2     | .03951   | .01192 | 1.8310 | .04122 | .03810   | 1.9257 | .21124   | .04755   |
| #3     | .04031   | .01089 | 1.8046 | .04097 | .03784   | 1.8820 | .21150   | .07095   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077   | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | F .01442 | .38821 | .03844 | .03932 | F .01468 | .0189  | F .02555 | F 2.2684 |
| Stddev | .00464   | .00633 | .00120 | .00301 | .00316   | .0010  | .00037   | .2348    |
| %RSD   | 32.147   | 1.6293 | 3.1294 | 7.6526 | 21.495   | 5.181  | 1.4378   | 10.350   |
| #1     | .01797   | .38276 | .03888 | .03979 | .01357   | .0179  | .02517   | 2.0242   |
| #2     | .00917   | .38674 | .03936 | .03610 | .01825   | .0198  | .02558   | 2.4925   |
| #3     | .01612   | .39515 | .03708 | .04207 | .01224   | .0190  | .02590   | 2.2886   |

Sample Name: LLICV01      Acquired: 7/1/2019 11:35:25      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F .92120  
 Stddev      .63629  
 %RSD      69.072

#1      .73066  
 #2      .40194  
 #3      1.6310

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2421.1 | 27005. | 1725.1 | 27.310 | 2665.2 |
| Stddev    | 3.7    | 109.   | 16.7   | .571   | 3.2    |
| %RSD      | .15329 | .40511 | .96838 | 2.0902 | .12173 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2418.2 | 26927. | 1743.3 | 26.686 | 2661.7 |
| #2 | 2419.8 | 26959. | 1721.4 | 27.807 | 2665.9 |
| #3 | 2425.3 | 27130. | 1710.5 | 27.436 | 2668.1 |

Sample Name: ICB01      Acquired: 7/1/2019 11:39:50      Type: Unk  
Method: P4-ICP2(v3245)      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    | -.00146 | .00031  | -.00057 | -.00622 | -.00065 | -.01241 | .00054  | -.00004  |
| Stddev | .00197  | .00072  | .00083  | .00021  | .00064  | .04118  | .00040  | .00005   |
| %RSD   | 134.73  | 235.79  | 146.36  | 3.3595  | 98.605  | 331.76  | 73.583  | 127.08   |
| #1     | .00064  | .00090  | -.00149 | -.00605 | -.00046 | -.03250 | .00091  | -.00008  |
| #2     | -.00326 | .00052  | -.00035 | -.00614 | -.00136 | .03496  | .00059  | -.00006  |
| #3     | -.00177 | -.00050 | .00013  | -.00645 | -.00013 | -.03970 | .00012  | .00002   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004  | -.02402 | -.00056 | -.00002 | -.00003 | -.00124 | .00003  | -.06988  |
| Stddev | .00008  | .01016  | .00027  | .00014  | .00033  | .00053  | .00007  | .07500   |
| %RSD   | 193.25  | 42.291  | 48.047  | 847.35  | 999.01  | 42.525  | 283.61  | 107.33   |
| #1     | .00007  | -.03192 | -.00084 | .00007  | .00010  | -.00182 | -.00001 | -.09022  |
| #2     | -.00005 | -.01256 | -.00030 | -.00018 | -.00041 | -.00110 | .00011  | -.13261  |
| #3     | .00009  | -.02758 | -.00055 | .00006  | .00021  | -.00079 | -.00002 | .01320   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00053  | .00040  | -.21674 | -.00011 | -.00022 | -.07047 | -.00003 | -.01833  |
| Stddev | .00065  | .00046  | .00905  | .00013  | .00014  | .06148  | .00011  | .01860   |
| %RSD   | 123.23  | 115.25  | 4.1737  | 112.61  | 65.638  | 87.237  | 387.36  | 101.48   |
| #1     | .00054  | .00030  | -.20632 | -.00014 | -.00026 | -.06594 | -.00013 | -.00231  |
| #2     | -.00013 | .00089  | -.22250 | -.00022 | -.00034 | -.01139 | .00009  | -.01396  |
| #3     | .00118  | -.00000 | -.22142 | .00002  | -.00006 | -.13409 | -.00004 | -.03874  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00330 | -.00139 | -.00036 | -.00261 | -.00942 | .0008   | -.00010 | F 2.2142 |
| Stddev | .00151  | .00081  | .00080  | .00216  | .00136  | .0023   | .00008  | .2641    |
| %RSD   | 45.738  | 58.121  | 219.61  | 82.747  | 14.446  | 276.7   | 79.922  | 11.927   |
| #1     | -.00394 | -.00191 | .00025  | -.00490 | -.00801 | .0027   | -.00005 | 2.4482   |
| #2     | -.00439 | -.00046 | -.00126 | -.00061 | -.00951 | -.0017  | -.00020 | 2.2666   |
| #3     | -.00158 | -.00181 | -.00008 | -.00233 | -.01073 | .0015   | -.00006 | 1.9279   |

Sample Name: ICB01      Acquired: 7/1/2019 11:39:50      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .22937 |
| Stddev | .20946   |
| %RSD   | 91.322   |

|    |         |
|----|---------|
| #1 | .32450  |
| #2 | -.01078 |
| #3 | .37437  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2414.8 | 26900. | 1719.0 | 27.024 | 2670.9 |
| Stddev    | 6.0    | 32.    | 10.8   | 2.260  | 4.5    |
| %RSD      | .25027 | .11966 | .62913 | 8.3626 | .16847 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2408.0 | 26864. | 1710.7 | 27.184 | 2665.8 |
| #2 | 2419.6 | 26928. | 1715.2 | 24.689 | 2673.1 |
| #3 | 2416.8 | 26907. | 1731.3 | 29.200 | 2674.0 |

Sample Name: CRI01      Acquired: 7/1/2019 11:44:18      Type: Unk  
Method: P4-ICP2(v3245)      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    | .02139 | .04144 | .01193 | .01979 | .05388 | .12365 | .10829 | .00660 |
| Stddev | .00278 | .00037 | .00062 | .00156 | .00106 | .02619 | .00203 | .00004 |
| %RSD   | 13.001 | .89889 | 5.2180 | 7.8839 | 1.9715 | 21.178 | 1.8781 | .59606 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02124 | .04183 | .01223 | .01837 | .05356 | .11140 | .10837 | .00657 |
| #2 | .02425 | .04109 | .01122 | .01952 | .05302 | .10584 | .10621 | .00664 |
| #3 | .01869 | .04139 | .01235 | .02146 | .05507 | .15372 | .11027 | .00658 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00596 | 2.1180 | .01160 | .02974 | .01932 | .11509 | .02297 | 1.9869 |
| Stddev | .00004 | .0054  | .00013 | .00015 | .00042 | .00101 | .00004 | .0859  |
| %RSD   | .64515 | .25647 | 1.1433 | .49076 | 2.1825 | .87406 | .15823 | 4.3251 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00600 | 2.1195 | .01167 | .02962 | .01957 | .11420 | .02293 | 2.0477 |
| #2 | .00596 | 2.1120 | .01144 | .02990 | .01883 | .11489 | .02297 | 1.8886 |
| #3 | .00592 | 2.1225 | .01168 | .02969 | .01954 | .11618 | .02300 | 2.0244 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04194 | .01165 | 1.8392 | .04265 | .04740 | 1.8964 | .21716 | .07015 |
| Stddev | .00045 | .00027 | .0278  | .00020 | .00021 | .0928  | .00078 | .00530 |
| %RSD   | 1.0734 | 2.3281 | 1.5127 | .46988 | .43675 | 4.8953 | .36058 | 7.5546 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04142 | .01162 | 1.8217 | .04262 | .04760 | 1.9730 | .21628 | .07526 |
| #2 | .04221 | .01139 | 1.8246 | .04248 | .04740 | 1.7931 | .21741 | .06468 |
| #3 | .04218 | .01193 | 1.8713 | .04287 | .04719 | 1.9230 | .21778 | .07052 |

|        |        |        |        |        |        |        |          |          |
|--------|--------|--------|--------|--------|--------|--------|----------|----------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077   | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .01971 | .46169 | .03903 | .03934 | .01606 | .0221  | F .02640 | F 2.3548 |
| Stddev | .00517 | .00194 | .00059 | .00143 | .00181 | .0010  | .00018   | .1177    |
| %RSD   | 26.199 | .42076 | 1.5229 | 3.6388 | 11.259 | 4.432  | .68543   | 4.9994   |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .01458 | .46340 | .03969 | .04080 | .01740 | .0229 | .02620 | 2.4823 |
| #2 | .02491 | .45958 | .03886 | .03794 | .01400 | .0225 | .02655 | 2.2503 |
| #3 | .01966 | .46209 | .03853 | .03926 | .01679 | .0210 | .02644 | 2.3318 |

Sample Name: CRI01      Acquired: 7/1/2019 11:44:18      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .39133 |
| Stddev | .18107   |
| %RSD   | 46.271   |

|    |        |
|----|--------|
| #1 | .36434 |
| #2 | .22526 |
| #3 | .58438 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2411.3 | 26928. | 1711.5 | 27.858 | 2652.1 |
| Stddev    | 1.7    | 74.    | 9.7    | .923   | 4.1    |
| %RSD      | .06845 | .27346 | .56487 | 3.3142 | .15537 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2409.4 | 26987. | 1712.1 | 28.911 | 2647.7 |
| #2 | 2412.0 | 26950. | 1701.6 | 27.470 | 2652.7 |
| #3 | 2412.5 | 26845. | 1720.9 | 27.191 | 2655.8 |

Sample Name: ICSA01      Acquired: 7/1/2019 11:48:44      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |         |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00284 | .00841 | -.00547 | .00014 | .00783 | 287.55 | .00751 |
| Stddev | .00396  | .00164 | .00061  | .00376 | .00379 | 2.33   | .00040 |
| %RSD   | 139.49  | 19.456 | 11.144  | 2754.0 | 48.380 | .81150 | 5.2989 |

|    |         |        |         |         |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|
| #1 | -.00370 | .00798 | -.00614 | -.00144 | .00359 | 286.30 | .00725 |
| #2 | .00148  | .01021 | -.00531 | .00443  | .00903 | 286.11 | .00730 |
| #3 | -.00629 | .00702 | -.00496 | -.00258 | .01087 | 290.24 | .00797 |

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00064 | -.00368 | 255.87 | .04964 | -.00099 | .00746 | 100.01 |
| Stddev | .00006  | .00021  | .41    | .00016 | .00002  | .00015 | .22    |
| %RSD   | 9.0134  | 5.8288  | .15873 | .33009 | 2.2299  | 2.0082 | .21630 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | -.00063 | -.00393 | 256.33 | .04946 | -.00097 | .00729 | 100.26 |
| #2 | -.00070 | -.00352 | 255.74 | .04967 | -.00101 | .00753 | 99.864 |
| #3 | -.00058 | -.00361 | 255.55 | .04978 | -.00100 | .00757 | 99.907 |

|        |        |        |         |         |         |        |         |
|--------|--------|--------|---------|---------|---------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .01423 | 280.05 | -.01319 | -.00233 | -.12839 | .00137 | -.01320 |
| Stddev | .00015 | 1.49   | .00064  | .00107  | .01904  | .00053 | .00011  |
| %RSD   | 1.0576 | .53067 | 4.8682  | 46.064  | 14.829  | 38.341 | .81516  |

|    |        |        |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|--------|---------|
| #1 | .01410 | 279.15 | -.01247 | -.00354 | -.15027 | .00189 | -.01327 |
| #2 | .01440 | 279.23 | -.01340 | -.00150 | -.11558 | .00140 | -.01324 |
| #3 | .01420 | 281.76 | -.01370 | -.00195 | -.11932 | .00083 | -.01307 |

|        |         |         |         |           |         |        |         |
|--------|---------|---------|---------|-----------|---------|--------|---------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820    | Si2881  | Sn1899 | Ti3361  |
| Units  | ppm     | ppm     | ppm     | ppm       | ppm     | ppm    | ppm     |
| Avg    | -.12438 | -.00084 | -.04397 | F -.02840 | -.00393 | .01232 | -.00761 |
| Stddev | .03454  | .00006  | .00919  | .01115    | .00198  | .00212 | .00284  |
| %RSD   | 27.774  | 7.2735  | 20.898  | 39.258    | 50.303  | 17.175 | 37.359  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.13771 | -.00091 | -.03456 | -.02385 | -.00495 | .01312 | -.01080 |
| #2 | -.08515 | -.00081 | -.05292 | -.04111 | -.00165 | .01392 | -.00532 |
| #3 | -.15026 | -.00081 | -.04444 | -.02025 | -.00518 | .00992 | -.00673 |



Sample Name: ICSA01      Acquired: 7/1/2019 11:48:44      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

|           |         |         |          |        |        |
|-----------|---------|---------|----------|--------|--------|
| Elem      | Li6707  | P_1774  | Sr4077   | U_3670 | U_3859 |
| Units     | ppm     | ppm     | ppm      | ppm    | ppm    |
| Avg       | -.00762 | F .0288 | F .02255 | 5.4305 | 25.734 |
| Stddev    | .00461  | .0024   | .00061   | .2318  | .042   |
| %RSD      | 60.464  | 8.428   | 2.6923   | 4.2683 | .16457 |
| #1        | -.00308 | .0284   | .02278   | 5.2276 | 25.747 |
| #2        | -.01230 | .0266   | .02186   | 5.6831 | 25.769 |
| #3        | -.00749 | .0314   | .02300   | 5.3808 | 25.687 |
| Int. Std. | Y_2243  | Y_3600  | Y_3710   | In2306 | In2306 |
| Units     | Cts/S   | Cts/S   | Cts/S    | Cts/S  | Cts/S  |
| Avg       | 2221.8  | 24846.  | 1676.7   | 25.269 | 2137.6 |
| Stddev    | 8.4     | 66.     | 17.8     | 1.589  | 7.7    |
| %RSD      | .37818  | .26485  | 1.0635   | 6.2894 | .35918 |
| #1        | 2213.0  | 24780.  | 1664.1   | 24.386 | 2133.1 |
| #2        | 2222.7  | 24848.  | 1668.8   | 27.104 | 2133.3 |
| #3        | 2229.7  | 24911.  | 1697.1   | 24.317 | 2146.5 |

Sample Name: ICSAB01      Acquired: 7/1/2019 11:53:24      Type: Unk  
Method: P4-ICP2(v3245)      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 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .10572 | .11796 | .04802 | .05528 | .64916 | 276.23 | .55571 |
| Stddev | .00463 | .00221 | .00044 | .00120 | .00899 | .99    | .00179 |
| %RSD   | 4.3780 | 1.8766 | .90984 | 2.1756 | 1.3850 | .35823 | .32228 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .10331 | .11541 | .04828 | .05658 | .63943 | 275.80 | .55767 |
| #2 | .10279 | .11899 | .04751 | .05420 | .65090 | 275.52 | .55416 |
| #3 | .11105 | .11946 | .04827 | .05507 | .65716 | 277.36 | .55530 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .55382 | 1.0565 | 244.62 | .56803 | .53202 | .50930 | 96.353 |
| Stddev | .00535 | .0079  | 1.25   | .00545 | .00453 | .00502 | .693   |
| %RSD   | .96649 | .74605 | .51175 | .96033 | .85121 | .98595 | .71905 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .54802 | 1.0485 | 244.23 | .56369 | .52777 | .50391 | 96.172 |
| #2 | .55486 | 1.0570 | 243.60 | .56625 | .53150 | .51013 | 95.768 |
| #3 | .55857 | 1.0642 | 246.02 | .57416 | .53679 | .51385 | 97.118 |

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .53640 | 267.29 | 1.0432 | .21646 | -.14839 | .52609 | 1.1148 |
| Stddev | .00359 | .47    | .0075  | .00166 | .00545  | .00263 | .0078  |
| %RSD   | .66875 | .17622 | .71387 | .76880 | 3.6733  | .49941 | .69886 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .53314 | 266.91 | 1.0360 | .21627 | -.14279 | .52322 | 1.1071 |
| #2 | .53582 | 267.15 | 1.0429 | .21491 | -.15368 | .52667 | 1.1146 |
| #3 | .54024 | 267.82 | 1.0508 | .21822 | -.14869 | .52838 | 1.1227 |

|        |         |        |        |           |        |        |        |
|--------|---------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664  | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm     | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | -.10581 | 1.0742 | 1.0035 | F -.04248 | .91087 | 1.1135 | 1.0093 |
| Stddev | .02038  | .0181  | .0406  | .01062    | .00952 | .0170  | .0067  |
| %RSD   | 19.257  | 1.6895 | 4.0453 | 25.007    | 1.0448 | 1.5289 | .66422 |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.12317 | 1.0548 | 1.0486 | -.03314 | .90288 | 1.0955 | 1.0131 |
| #2 | -.11089 | 1.0770 | .99240 | -.05403 | .90832 | 1.1156 | 1.0132 |
| #3 | -.08337 | 1.0907 | .96969 | -.04025 | .92140 | 1.1294 | 1.0016 |

Sample Name: ICSAB01      Acquired: 7/1/2019 11:53:24      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
Comment:

|           |           |         |          |        |        |
|-----------|-----------|---------|----------|--------|--------|
| Elem      | Li6707    | P_1774  | Sr4077   | U_3670 | U_3859 |
| Units     | ppm       | ppm     | ppm      | ppm    | ppm    |
| Avg       | F -.00868 | F .0162 | F .02110 | 5.7153 | 24.822 |
| Stddev    | .00128    | .0005   | .00067   | .1090  | .386   |
| %RSD      | 14.801    | 2.842   | 3.1756   | 1.9081 | 1.5536 |
| #1        | -.00788   | .0167   | .02094   | 5.6370 | 24.723 |
| #2        | -.00800   | .0161   | .02184   | 5.8399 | 25.247 |
| #3        | -.01016   | .0159   | .02053   | 5.6691 | 24.495 |
| Int. Std. | Y_2243    | Y_3600  | Y_3710   | In2306 | In2306 |
| Units     | Cts/S     | Cts/S   | Cts/S    | Cts/S  | Cts/S  |
| Avg       | 2235.5    | 25066.  | 1694.5   | 24.524 | 2147.0 |
| Stddev    | 5.1       | 52.     | 4.1      | .647   | 2.3    |
| %RSD      | .22780    | .20761  | .24326   | 2.6391 | .10612 |
| #1        | 2240.8    | 25044.  | 1693.5   | 24.801 | 2149.3 |
| #2        | 2230.6    | 25125.  | 1699.0   | 24.986 | 2144.8 |
| #3        | 2235.1    | 25027.  | 1690.9   | 23.784 | 2147.0 |

Sample Name: CCV01      Acquired: 7/1/2019 11:57:49      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9966 | 5.0453 | 4.9403 | 5.0502 | 5.0346 | 10.123 | 10.021 | .25309   |
| Stddev | .0082  | .0072  | .0089  | .0042  | .0130  | .071   | .015   | .00077   |
| %RSD   | .16423 | .14191 | .17925 | .08268 | .25849 | .70485 | .14718 | .30512   |
| #1     | 5.0060 | 5.0373 | 4.9432 | 5.0511 | 5.0323 | 10.141 | 10.036 | .25266   |
| #2     | 4.9927 | 5.0476 | 4.9472 | 5.0538 | 5.0486 | 10.044 | 10.006 | .25263   |
| #3     | 4.9910 | 5.0511 | 4.9303 | 5.0456 | 5.0228 | 10.183 | 10.022 | .25398   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4823 | 24.870 | .99818 | 2.4837 | 1.2555 | 5.0224 | 2.5493 | 24.825   |
| Stddev | .0025  | .074   | .00175 | .0030  | .0028  | .0065  | .0040  | .098     |
| %RSD   | .10026 | .29667 | .17528 | .11959 | .22242 | .13010 | .15790 | .39408   |
| #1     | 2.4813 | 24.861 | .99842 | 2.4829 | 1.2572 | 5.0262 | 2.5446 | 24.856   |
| #2     | 2.4851 | 24.801 | .99633 | 2.4870 | 1.2571 | 5.0148 | 2.5517 | 24.903   |
| #3     | 2.4805 | 24.947 | .99981 | 2.4812 | 1.2523 | 5.0261 | 2.5515 | 24.715   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4865 | 1.2468 | 24.745 | 2.5085 | 2.4684 | 24.907 | 5.0427 | 5.0265   |
| Stddev | .0076  | .0006  | .040   | .0013  | .0015  | .024   | .0083  | .0045    |
| %RSD   | .30395 | .05081 | .16037 | .05005 | .06221 | .09798 | .16555 | .09030   |
| #1     | 2.4821 | 1.2465 | 24.742 | 2.5077 | 2.4669 | 24.884 | 5.0385 | 5.0317   |
| #2     | 2.4952 | 1.2475 | 24.708 | 2.5079 | 2.4700 | 24.933 | 5.0523 | 5.0235   |
| #3     | 2.4821 | 1.2464 | 24.787 | 2.5100 | 2.4683 | 24.905 | 5.0373 | 5.0244   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9641 | 4.8581 | 4.9331 | 4.9789 | 5.0480 | 5.053  | 5.2487 | F 4.5534 |
| Stddev | .0221  | .0132  | .0119  | .0078  | .0071  | .015   | .0174  | .1785    |
| %RSD   | .44546 | .27095 | .24195 | .15772 | .14120 | .2865  | .33191 | 3.9211   |
| #1     | 4.9553 | 4.8605 | 4.9219 | 4.9768 | 5.0551 | 5.055  | 5.2673 | 4.5364   |
| #2     | 4.9893 | 4.8439 | 4.9457 | 4.9724 | 5.0481 | 5.067  | 5.2328 | 4.7398   |
| #3     | 4.9478 | 4.8699 | 4.9317 | 4.9876 | 5.0408 | 5.038  | 5.2460 | 4.3840   |

Sample Name: CCV01      Acquired: 7/1/2019 11:57:49      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.6523  
Stddev      .5399  
%RSD      20.355

#1      2.0570  
#2      2.7896  
#3      3.1102

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2348.7 | 26447. | 1714.3 | 26.517 | 2389.2 |
| Stddev    | 9.8    | 52.    | 6.0    | .629   | 6.6    |
| %RSD      | .41672 | .19692 | .34728 | 2.3717 | .27634 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2342.0 | 26395. | 1707.6 | 25.811 | 2387.2 |
| #2 | 2344.2 | 26499. | 1719.1 | 27.016 | 2383.7 |
| #3 | 2359.9 | 26447. | 1716.2 | 26.726 | 2396.5 |

Sample Name: LLCCV01      Acquired: 7/1/2019 12:01:48      Type: Unk  
 Method: P4-ICP2(v3245)      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    | .02113 | .04223 | .01215 | .01858 | .05096   | .11921 | .10756   | .00655   |
| Stddev | .00214 | .00023 | .00059 | .00416 | .00099   | .01048 | .00033   | .00009   |
| %RSD   | 10.109 | .53835 | 4.8439 | 22.404 | 1.9461   | 8.7893 | .30991   | 1.3395   |
| #1     | .02360 | .04198 | .01204 | .01938 | .04986   | .13124 | .10794   | .00662   |
| #2     | .02001 | .04231 | .01279 | .02229 | .05178   | .11213 | .10741   | .00657   |
| #3     | .01979 | .04241 | .01163 | .01408 | .05125   | .11425 | .10733   | .00645   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576   | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | .00592 | 2.0901 | .01096 | .02940 | .01915   | .10739 | .02262   | 2.0241   |
| Stddev | .00010 | .0251  | .00019 | .00012 | .00006   | .00064 | .00008   | .0461    |
| %RSD   | 1.6402 | 1.1988 | 1.7163 | .42107 | .33068   | .59645 | .37193   | 2.2763   |
| #1     | .00583 | 2.0614 | .01096 | .02950 | .01909   | .10810 | .02263   | 1.9710   |
| #2     | .00602 | 2.1075 | .01078 | .02926 | .01921   | .10685 | .02253   | 2.0480   |
| #3     | .00591 | 2.1014 | .01115 | .02944 | .01917   | .10724 | .02269   | 2.0532   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020   | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | .04083 | .01127 | 1.8163 | .04174 | .04069   | 1.9051 | .21330   | .09600   |
| Stddev | .00049 | .00063 | .0231  | .00020 | .00027   | .0790  | .00025   | .01390   |
| %RSD   | 1.2106 | 5.6238 | 1.2698 | .47462 | .66334   | 4.1482 | .11698   | 14.475   |
| #1     | .04028 | .01171 | 1.8014 | .04159 | .04074   | 1.9946 | .21316   | .08000   |
| #2     | .04124 | .01155 | 1.8046 | .04167 | .04093   | 1.8758 | .21359   | .10507   |
| #3     | .04096 | .01054 | 1.8428 | .04196 | .04039   | 1.8449 | .21315   | .10294   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077   | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | .01924 | .39597 | .03822 | .03774 | F .01208 | .0206  | F .02594 | F 3.3528 |
| Stddev | .00258 | .00142 | .00063 | .00164 | .00239   | .0016  | .00026   | .1475    |
| %RSD   | 13.419 | .35744 | 1.6536 | 4.3543 | 19.799   | 7.817  | 1.0003   | 4.3996   |
| #1     | .02078 | .39583 | .03813 | .03914 | .01245   | .0189  | .02579   | 3.1837   |
| #2     | .01626 | .39746 | .03764 | .03593 | .00952   | .0208  | .02580   | 3.4196   |
| #3     | .02068 | .39464 | .03890 | .03815 | .01426   | .0221  | .02624   | 3.4550   |

Sample Name: LLCCV01      Acquired: 7/1/2019 12:01:48      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
 Comment:

|        |                                                                             |
|--------|-----------------------------------------------------------------------------|
| Elem   | U_3859                                                                      |
| Units  | ppm                                                                         |
| Avg    | <span style="color: red;">F</span> <span style="color: blue;">.50393</span> |
| Stddev | .07917                                                                      |
| %RSD   | 15.711                                                                      |

|    |                                          |
|----|------------------------------------------|
| #1 | <span style="color: blue;">.48347</span> |
| #2 | <span style="color: blue;">.59132</span> |
| #3 | <span style="color: blue;">.43700</span> |

|           |                                           |                                           |                                           |                                           |                                           |
|-----------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Int. Std. | Y_2243                                    | Y_3600                                    | Y_3710                                    | In2306                                    | In2306                                    |
| Units     | Cts/S                                     | Cts/S                                     | Cts/S                                     | Cts/S                                     | Cts/S                                     |
| Avg       | <span style="color: green;">2426.6</span> | <span style="color: green;">27303.</span> | <span style="color: green;">1751.9</span> | <span style="color: green;">28.660</span> | <span style="color: green;">2661.8</span> |
| Stddev    | 7.9                                       | 163.                                      | 7.4                                       | 1.880                                     | 5.1                                       |
| %RSD      | .32552                                    | .59678                                    | .42510                                    | 6.5588                                    | .19044                                    |

|    |                                           |                                           |                                           |                                           |                                           |
|----|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| #1 | <span style="color: green;">2434.2</span> | <span style="color: green;">27115.</span> | <span style="color: green;">1746.0</span> | <span style="color: green;">26.623</span> | <span style="color: green;">2666.7</span> |
| #2 | <span style="color: green;">2418.5</span> | <span style="color: green;">27403.</span> | <span style="color: green;">1760.3</span> | <span style="color: green;">30.327</span> | <span style="color: green;">2656.6</span> |
| #3 | <span style="color: green;">2427.3</span> | <span style="color: green;">27391.</span> | <span style="color: green;">1749.6</span> | <span style="color: green;">29.030</span> | <span style="color: green;">2662.3</span> |

Sample Name: CCB01      Acquired: 7/1/2019 12:06:15      Type: Unk  
Method: P4-ICP2(v3245)      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    | -.00123 | .00071  | .00011  | -.00356 | -.00050 | .00321  | .00192  | -.00004  |
| Stddev | .00157  | .00007  | .00079  | .00469  | .00135  | .02971  | .00053  | .00008   |
| %RSD   | 127.90  | 10.402  | 740.55  | 131.93  | 271.41  | 926.31  | 27.723  | 202.02   |
| #1     | .00056  | .00070  | .00097  | .00137  | -.00136 | .03633  | .00198  | -.00003  |
| #2     | -.00236 | .00063  | -.00009 | -.00797 | .00106  | -.00565 | .00135  | .00004   |
| #3     | -.00189 | .00078  | -.00056 | -.00406 | -.00120 | -.02106 | .00241  | -.00012  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00002  | -.01653 | .00053  | .00014  | -.00032 | .00026  | -.00009 | .01244   |
| Stddev | .00008  | .02008  | .00047  | .00016  | .00069  | .00054  | .00005  | .04689   |
| %RSD   | 458.57  | 121.48  | 88.584  | 117.17  | 215.38  | 208.21  | 54.508  | 377.00   |
| #1     | -.00006 | -.01251 | .00013  | .00032  | -.00016 | -.00003 | -.00010 | .06556   |
| #2     | .00009  | -.03831 | .00104  | .00011  | -.00108 | .00088  | -.00004 | -.02321  |
| #3     | .00002  | .00124  | .00041  | -.00001 | .00027  | -.00007 | -.00013 | -.00504  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00039  | .00023  | -.27481 | -.00022 | -.00029 | -.17579 | -.00015 | -.02128  |
| Stddev | .00060  | .00034  | .01073  | .00016  | .00003  | .06598  | .00017  | .00263   |
| %RSD   | 154.89  | 145.95  | 3.9035  | 74.208  | 11.842  | 37.535  | 109.99  | 12.344   |
| #1     | -.00015 | -.00013 | -.27309 | -.00023 | -.00030 | -.12971 | -.00014 | -.01827  |
| #2     | .00027  | .00030  | -.26505 | -.00038 | -.00025 | -.25138 | .00001  | -.02246  |
| #3     | .00103  | .00053  | -.28629 | -.00005 | -.00032 | -.14629 | -.00033 | -.02311  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00308 | -.00428 | -.00062 | -.00542 | -.00823 | .0025   | -.00021 | F 3.5498 |
| Stddev | .00146  | .00355  | .00071  | .00361  | .00093  | .0015   | .00008  | .1388    |
| %RSD   | 47.229  | 83.010  | 114.39  | 66.630  | 11.320  | 61.03   | 39.611  | 3.9086   |
| #1     | -.00195 | -.00211 | -.00104 | -.00250 | -.00728 | .0025   | -.00030 | 3.5120   |
| #2     | -.00257 | -.00235 | -.00102 | -.00429 | -.00914 | .0010   | -.00014 | 3.4339   |
| #3     | -.00472 | -.00838 | .00020  | -.00945 | -.00825 | .0041   | -.00019 | 3.7036   |



Sample Name: CCB01      Acquired: 7/1/2019 12:06:15      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .38839 |
| Stddev | .21896   |
| %RSD   | 56.376   |

|    |        |
|----|--------|
| #1 | .43144 |
| #2 | .15110 |
| #3 | .58263 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2419.2 | 27169. | 1726.8 | 28.449 | 2672.1 |
| Stddev    | 5.3    | 78.    | 16.9   | .614   | 4.1    |
| %RSD      | .21905 | .28720 | .97984 | 2.1591 | .15379 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2413.2 | 27121. | 1711.0 | 27.755 | 2667.4 |
| #2 | 2421.5 | 27127. | 1744.6 | 28.920 | 2674.2 |
| #3 | 2423.0 | 27259. | 1724.8 | 28.673 | 2674.7 |

Sample Name: LR CHECK 1      Acquired: 7/1/2019 12:12:14      Type: Unk  
Method: P4-ICP2(v3245)      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    | -.06389 | .04042  | .08327  | -.27630 | .11209 | 1865.6 | .01287  | .03301  |
| Stddev | .01209  | .00467  | .00288  | .00857  | .01009 | 8.7    | .00073  | .00085  |
| %RSD   | 18.924  | 11.550  | 3.4641  | 3.1028  | 9.0005 | .46872 | 5.6430  | 2.5656  |
| #1     | -.07784 | .03985  | .08634  | -.28495 | .10046 | 1855.6 | .01354  | .03208  |
| #2     | -.05732 | .03606  | .08287  | -.27613 | .11852 | 1871.7 | .01210  | .03374  |
| #3     | -.05650 | .04534  | .08061  | -.26781 | .11730 | 1869.6 | .01297  | .03321  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .06543  | 1636.0  | -.07336 | .07549  | .17914 | 868.17 | -.01462 | 1866.6  |
| Stddev | .00035  | 5.0     | .00014  | .00021  | .00210 | 1.97   | .00049  | 7.3     |
| %RSD   | .53795  | .30634  | .19361  | .28292  | 1.1697 | .22738 | 3.3324  | .39088  |
| #1     | .06572  | 1641.0  | -.07324 | .07546  | .17672 | 865.90 | -.01517 | 1858.8  |
| #2     | .06553  | 1636.0  | -.07332 | .07572  | .18034 | 869.44 | -.01444 | 1873.3  |
| #3     | .06504  | 1631.0  | -.07352 | .07530  | .18036 | 869.17 | -.01424 | 1867.7  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.05250 | -.11638 | 1894.9  | .00760  | .11561 | 1090.5 | -.00645 | -1.6274 |
| Stddev | .00209  | .00040  | 26.7    | .00096  | .00128 | 3.3    | .00087  | .0357   |
| %RSD   | 3.9727  | .34110  | 1.4089  | 12.635  | 1.1072 | .29946 | 13.459  | 2.1952  |
| #1     | -.05460 | -.11628 | 1879.1  | .00649  | .11675 | 1086.9 | -.00575 | -1.6270 |
| #2     | -.05246 | -.11681 | 1925.7  | .00817  | .11586 | 1093.3 | -.00742 | -1.5920 |
| #3     | -.05043 | -.11604 | 1879.9  | .00813  | .11423 | 1091.2 | -.00617 | -1.6634 |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .08581  | .00355  | .09620  | -.05137 | .00815 | .2007  | -.93825 | <.00000 |
| Stddev | .01332  | .00312  | .00243  | .00306  | .00366 | .0121  | .00224  | .11676  |
| %RSD   | 15.522  | 88.066  | 2.5246  | 5.9610  | 44.864 | 6.005  | .23857  | 1.4671  |
| #1     | .09099  | .00153  | .09628  | -.04907 | .00412 | .2147  | -.93568 | -8.0883 |
| #2     | .07067  | .00196  | .09858  | -.05020 | .01126 | .1934  | -.93982 | -7.8619 |
| #3     | .09575  | .00715  | .09373  | -.05485 | .00906 | .1942  | -.93924 | -7.9254 |

Sample Name: LR CHECK 1      Acquired: 7/1/2019 12:12:14      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

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

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

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1851.1 | 20876. | 1567.7 | 22.403 | 1395.2 |
| Stddev    | 4.5    | 25.    | 8.3    | 1.837  | 5.7    |
| %RSD      | .24202 | .12147 | .53198 | 8.1978 | .40663 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 1852.2 | 20898. | 1558.6 | 20.399 | 1391.7 |
| #2 | 1846.1 | 20848. | 1569.7 | 24.006 | 1392.2 |
| #3 | 1854.9 | 20883. | 1574.9 | 22.804 | 1401.8 |

Sample Name: LR CHECK 2      Acquired: 7/1/2019 12:16:53      Type: Unk  
Method: P4-ICP2(v3245)      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    | -.00332 | -.01383 | 256.36  | .03175  | -.03682 | -.21047 | F .01543 | -.00211 |
| Stddev | .00274  | .00072  | 1.07    | .00419  | .00195  | .03100  | .00078   | .00007  |
| %RSD   | 82.437  | 5.1775  | .41698  | 13.190  | 5.2877  | 14.729  | 5.0378   | 3.0825  |
| #1     | -.00614 | -.01417 | 256.52  | .03641  | -.03585 | -.20173 | .01454   | -.00218 |
| #2     | -.00315 | -.01432 | 255.21  | .02831  | -.03906 | -.18477 | .01576   | -.00212 |
| #3     | -.00067 | -.01301 | 257.33  | .03052  | -.03554 | -.24490 | .01598   | -.00205 |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576   | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     |
| Avg    | -.00859 | .37222  | -.13210 | .01141  | 242.66  | -.76681 | 48.833   | -.12049 |
| Stddev | .00016  | .01011  | .00022  | .00040  | 1.71    | .00239  | .130     | .03210  |
| %RSD   | 1.9126  | 2.7165  | .16645  | 3.4830  | .70465  | .31121  | .26570   | 26.637  |
| #1     | -.00869 | .37820  | -.13187 | .01095  | 244.59  | -.76832 | 48.851   | -.09179 |
| #2     | -.00869 | .36054  | -.13231 | .01163  | 242.03  | -.76406 | 48.954   | -.11454 |
| #3     | -.00840 | .37791  | -.13211 | .01164  | 241.35  | -.76806 | 48.696   | -.15514 |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020   | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     |
| Avg    | 53.447  | .00632  | .65863  | -.37384 | 34.338  | .76207  | -.01077  | -.00377 |
| Stddev | .070    | .00033  | .04108  | .00107  | .070    | .09790  | .00026   | .02445  |
| %RSD   | .13079  | 5.1908  | 6.2370  | .28700  | .20274  | 12.846  | 2.4068   | 647.92  |
| #1     | 53.522  | .00665  | .70135  | -.37309 | 34.389  | .84062  | -.01094  | .01543  |
| #2     | 53.438  | .00600  | .65512  | -.37335 | 34.259  | .79320  | -.01089  | .00455  |
| #3     | 53.383  | .00632  | .61942  | -.37507 | 34.366  | .65240  | -.01047  | -.03130 |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077   | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     |
| Avg    | -.03693 | .00972  | .00237  | .01604  | -.00916 | -2.618  | .00074   | 4.0813  |
| Stddev | .00235  | .00260  | .00014  | .00107  | .00147  | .027    | .00013   | .3048   |
| %RSD   | 6.3610  | 26.773  | 6.0689  | 6.6872  | 16.016  | 1.036   | 17.610   | 7.4691  |
| #1     | -.03954 | .01007  | .00229  | .01718  | -.00884 | -2.596  | .00083   | 4.3231  |
| #2     | -.03498 | .00696  | .00229  | .01591  | -.01077 | -2.611  | .00080   | 4.1820  |
| #3     | -.03629 | .01213  | .00254  | .01505  | -.00788 | -2.648  | .00059   | 3.7389  |

Sample Name: LR CHECK 2      Acquired: 7/1/2019 12:16:53      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .66549 |
| Stddev | .35473 |
| %RSD   | 53.303 |

|    |        |
|----|--------|
| #1 | .35666 |
| #2 | .58687 |
| #3 | 1.0529 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2343.4 | 28458. | 1768.7 | 26.932 | 2581.4 |
| Stddev    | 11.5   | 76.    | 8.2    | .172   | 9.7    |
| %RSD      | .49197 | .26612 | .46210 | .63712 | .37631 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2330.7 | 28420. | 1772.1 | 26.955 | 2570.7 |
| #2 | 2346.3 | 28410. | 1774.5 | 27.091 | 2583.6 |
| #3 | 2353.2 | 28546. | 1759.3 | 26.750 | 2589.8 |

Sample Name: K3552-19      Acquired: 7/1/2019 12:26:22      Type: Unk  
Method: P4-ICP2(v3245)      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    | .03736 | -.03319 | .11228 | -.00805 | .01155 | 299.00 | 1.1148  | .01610  |
| Stddev | .00369 | .00374  | .00294 | .00534  | .00058 | .96    | .0051   | .00033  |
| %RSD   | 9.8863 | 11.266  | 2.6191 | 66.277  | 5.0631 | .32096 | .45399  | 2.0438  |
| #1     | .04103 | -.03180 | .11268 | -.00262 | .01146 | 297.95 | 1.1095  | .01592  |
| #2     | .03741 | -.03034 | .11500 | -.01329 | .01101 | 299.83 | 1.1154  | .01648  |
| #3     | .03364 | -.03742 | .10916 | -.00826 | .01217 | 299.22 | 1.1196  | .01591  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00713 | 3.3833  | .11986 | .18502  | .22343 | 240.57 | 6.3798  | 30.117  |
| Stddev | .00026 | .0223   | .00037 | .00043  | .00021 | 1.54   | .0084   | .133    |
| %RSD   | 3.6302 | .65839  | .30884 | .23306  | .09483 | .64134 | .13213  | .44013  |
| #1     | .00735 | 3.4083  | .11944 | .18549  | .22365 | 240.76 | 6.3701  | 30.035  |
| #2     | .00720 | 3.3654  | .12013 | .18465  | .22323 | 238.95 | 6.3843  | 30.047  |
| #3     | .00684 | 3.3762  | .12000 | .18491  | .22340 | 242.02 | 6.3850  | 30.270  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .17273 | -.00776 | .52318 | .28795  | 1.1511 | 10.317 | .00371  | -.13720 |
| Stddev | .00065 | .00041  | .00315 | .00088  | .0024  | .058   | .00017  | .02389  |
| %RSD   | .37872 | 5.3432  | .60274 | .30483  | .20495 | .55981 | 4.5941  | 17.413  |
| #1     | .17210 | -.00745 | .51989 | .28889  | 1.1536 | 10.274 | .00375  | -.15430 |
| #2     | .17266 | -.00761 | .52617 | .28715  | 1.1489 | 10.294 | .00386  | -.10990 |
| #3     | .17341 | -.00823 | .52349 | .28781  | 1.1509 | 10.383 | .00352  | -.14740 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.0593 | 4.8874  | .03663 | 6.5673  | .08955 | 8.125  | -.14133 | <.00000 |
| Stddev | .0073  | .0361   | .00087 | .0185   | .00143 | .019   | .00136  | .17766  |
| %RSD   | .68597 | .73920  | 2.3868 | .28231  | 1.5940 | .2313  | .95997  | 1.1480  |
| #1     | 1.0555 | 4.9160  | .03582 | 6.5689  | .08791 | 8.142  | -.14133 | -15.309 |
| #2     | 1.0548 | 4.8995  | .03756 | 6.5481  | .09022 | 8.105  | -.13997 | -15.456 |
| #3     | 1.0677 | 4.8468  | .03652 | 6.5851  | .09052 | 8.129  | -.14268 | -15.663 |

Sample Name: K3552-19      Acquired: 7/1/2019 12:26:22      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 98.255  
Stddev      .671  
%RSD      .68309

#1      97.504  
#2      98.797  
#3      98.462

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3793.9 | 41659. | 2782.5 | 27.422 | 2293.3 |
| Stddev    | 9.0    | 51.    | 16.1   | .651   | 4.8    |
| %RSD      | .23647 | .12223 | .57984 | 2.3723 | .20934 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3784.3 | 41601. | 2765.1 | 28.148 | 2290.8 |
| #2 | 3802.1 | 41678. | 2785.6 | 26.892 | 2298.8 |
| #3 | 3795.3 | 41697. | 2796.9 | 27.225 | 2290.2 |

Sample Name: K3552-19DUP      Acquired: 7/1/2019 12:30:59      Type: Unk  
Method: P4-ICP2(v3245)      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    | .03518 | -.03244 | .11219 | -.00611 | .01297 | 295.67 | 1.1072  | .01616  |
| Stddev | .00240 | .00045  | .00143 | .00179  | .00262 | 1.68   | .0036   | .00011  |
| %RSD   | 6.8173 | 1.3956  | 1.2774 | 29.250  | 20.216 | .56963 | .32527  | .69988  |
| #1     | .03373 | -.03295 | .11053 | -.00507 | .01516 | 293.87 | 1.1034  | .01627  |
| #2     | .03795 | -.03232 | .11307 | -.00817 | .01367 | 295.93 | 1.1077  | .01617  |
| #3     | .03386 | -.03207 | .11296 | -.00508 | .01006 | 297.20 | 1.1105  | .01605  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00713 | 3.3725  | .11844 | .18329  | .22238 | 240.13 | 6.3424  | 29.765  |
| Stddev | .00019 | .0149   | .00024 | .00054  | .00044 | .55    | .0025   | .245    |
| %RSD   | 2.7281 | .44135  | .19874 | .29464  | .19984 | .22791 | .03892  | .82363  |
| #1     | .00730 | 3.3891  | .11839 | .18307  | .22193 | 240.27 | 6.3452  | 29.584  |
| #2     | .00692 | 3.3606  | .11869 | .18390  | .22282 | 239.52 | 6.3410  | 29.666  |
| #3     | .00719 | 3.3677  | .11823 | .18289  | .22238 | 240.59 | 6.3409  | 30.044  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .17206 | -.00798 | .48366 | .28647  | 1.1455 | 10.227 | .00358  | -.11789 |
| Stddev | .00127 | .00004  | .00630 | .00130  | .0012  | .083   | .00037  | .02196  |
| %RSD   | .73935 | .48002  | 1.3031 | .45304  | .10460 | .80811 | 10.332  | 18.628  |
| #1     | .17064 | -.00795 | .47638 | .28650  | 1.1442 | 10.136 | .00393  | -.13926 |
| #2     | .17245 | -.00802 | .48733 | .28515  | 1.1463 | 10.249 | .00319  | -.09539 |
| #3     | .17309 | -.00796 | .48727 | .28775  | 1.1462 | 10.297 | .00364  | -.11900 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.0614 | 4.8610  | .03681 | 6.5415  | .09058 | 8.126  | -.14112 | <.00000 |
| Stddev | .0053  | .0395   | .00119 | .0086   | .00173 | .007   | .00071  | .18568  |
| %RSD   | .50052 | .81315  | 3.2240 | .13116  | 1.9071 | .0841  | .50171  | 1.2050  |
| #1     | 1.0559 | 4.9047  | .03688 | 6.5357  | .08980 | 8.132  | -.14162 | -15.586 |
| #2     | 1.0665 | 4.8504  | .03558 | 6.5514  | .08938 | 8.118  | -.14031 | -15.216 |
| #3     | 1.0618 | 4.8279  | .03795 | 6.5375  | .09256 | 8.128  | -.14142 | -15.427 |



Sample Name: K3552-19DUP      Acquired: 7/1/2019 12:30:59      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 98.136 |
| Stddev | .133     |
| %RSD   | .13546   |

|    |        |
|----|--------|
| #1 | 97.993 |
| #2 | 98.255 |
| #3 | 98.160 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3805.3 | 41786. | 2777.4 | 25.842 | 2303.1 |
| Stddev    | 2.3    | 65.    | 19.6   | .647   | 3.5    |
| %RSD      | .06076 | .15534 | .70586 | 2.5023 | .15106 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3803.6 | 41744. | 2757.3 | 26.408 | 2306.9 |
| #2 | 3807.9 | 41861. | 2778.3 | 25.137 | 2302.5 |
| #3 | 3804.3 | 41754. | 2796.5 | 25.982 | 2300.0 |

Sample Name: K3552-19LX5      Acquired: 7/1/2019 12:35:32      Type: Unk  
Method: P4-ICP2(v3245)      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    | .01238 | -.00353 | .01789 | .00167 | .00161 | 78.230 | .30261 | .00298 |
| Stddev | .00253 | .00099  | .00061 | .00486 | .00075 | .419   | .00159 | .00011 |
| %RSD   | 20.412 | 27.974  | 3.4306 | 291.96 | 46.642 | .53551 | .52572 | 3.6715 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .01385 | -.00320 | .01848 | -.00355 | .00081 | 77.787 | .30077 | .00294 |
| #2 | .00946 | -.00464 | .01726 | .00247  | .00230 | 78.620 | .30352 | .00289 |
| #3 | .01383 | -.00275 | .01794 | .00607  | .00171 | 78.282 | .30354 | .00310 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00265 | .90892 | .03162 | .03444 | .06285 | 78.630 | 1.8592 | 8.0468 |
| Stddev | .00001  | .01084 | .00033 | .00011 | .00040 | .315   | .0006  | .0830  |
| %RSD   | .37954  | 1.1926 | 1.0415 | .31846 | .63857 | .40050 | .03492 | 1.0312 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00266 | .92136 | .03191 | .03454 | .06287 | 78.376 | 1.8588 | 7.9514 |
| #2 | -.00264 | .90390 | .03126 | .03432 | .06244 | 78.982 | 1.8589 | 8.0870 |
| #3 | -.00265 | .90150 | .03169 | .03447 | .06324 | 78.531 | 1.8600 | 8.1020 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .03057 | -.00037 | .06606 | .07856 | .20462 | 2.6165 | .00078 | -.03535 |
| Stddev | .00057 | .00054  | .01174 | .00052 | .00051 | .0242  | .00023 | .01403  |
| %RSD   | 1.8782 | 144.49  | 17.772 | .66004 | .25008 | .92581 | 30.054 | 39.693  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .03056 | .00018  | .05722 | .07877 | .20416 | 2.6201 | .00053 | -.03117 |
| #2 | .03115 | -.00089 | .07938 | .07797 | .20454 | 2.6387 | .00080 | -.02388 |
| #3 | .03000 | -.00040 | .06157 | .07895 | .20517 | 2.5907 | .00100 | -.05100 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .20470 | 1.1736 | .00662 | 1.8080 | .01852 | 1.507  | -.05217 | .88891 |
| Stddev | .00106 | .0049  | .00135 | .0033  | .00209 | .002   | .00028  | .30669 |
| %RSD   | .51656 | .41822 | 20.398 | .18356 | 11.261 | .1464  | .54261  | 34.503 |

|    |        |        |        |        |        |       |         |        |
|----|--------|--------|--------|--------|--------|-------|---------|--------|
| #1 | .20414 | 1.1782 | .00758 | 1.8063 | .01905 | 1.505 | -.05199 | .57642 |
| #2 | .20592 | 1.1684 | .00721 | 1.8059 | .02029 | 1.509 | -.05249 | .90083 |
| #3 | .20404 | 1.1741 | .00508 | 1.8119 | .01622 | 1.507 | -.05202 | 1.1895 |

Sample Name: K3552-19LX5      Acquired: 7/1/2019 12:35:32      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      21.005  
Stddev      .253  
%RSD      1.2053

#1      20.713  
#2      21.153  
#3      21.150

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2687.4 | 29894. | 1930.3 | 27.151 | 2495.1 |
| Stddev    | 6.0    | 44.    | 6.3    | .777   | 6.8    |
| %RSD      | .22485 | .14819 | .32723 | 2.8609 | .27208 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2683.0 | 29913. | 1923.2 | 27.287 | 2498.0 |
| #2 | 2684.9 | 29844. | 1932.7 | 26.315 | 2487.4 |
| #3 | 2694.3 | 29926. | 1935.2 | 27.851 | 2500.0 |

Sample Name: K3552-19MS      Acquired: 7/1/2019 12:40:00      Type: Unk  
Method: P4-ICP2(v3245)      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    | .53924 | 2.0491 | 1.1634 | 1.2713 | .52529 | 297.24  | 1.2400 | .15306  |
| Stddev | .00429 | .0049  | .0047  | .0086  | .00124 | 3.37    | .0104  | .00040  |
| %RSD   | .79574 | .23862 | .40086 | .67844 | .23655 | 1.1336  | .83465 | .26130  |
| #1     | .53630 | 2.0489 | 1.1671 | 1.2640 | .52501 | 293.66  | 1.2287 | .15352  |
| #2     | .53727 | 2.0541 | 1.1582 | 1.2691 | .52664 | 300.35  | 1.2489 | .15286  |
| #3     | .54417 | 2.0444 | 1.1650 | 1.2809 | .52420 | 297.72  | 1.2423 | .15281  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .21708 | 4.0481 | .37765 | .39999 | .41058 | 241.37  | 6.4985 | 30.654  |
| Stddev | .00072 | .0324  | .00048 | .00047 | .00090 | 1.02    | .0148  | .263    |
| %RSD   | .33065 | .79975 | .12581 | .11634 | .21836 | .42345  | .22839 | .85677  |
| #1     | .21699 | 4.0197 | .37820 | .39953 | .40986 | 240.19  | 6.5046 | 30.390  |
| #2     | .21784 | 4.0411 | .37741 | .40046 | .41029 | 241.97  | 6.4816 | 30.916  |
| #3     | .21641 | 4.0833 | .37734 | .39999 | .41159 | 241.95  | 6.5094 | 30.654  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .69914 | .04177 | 2.5107 | .48343 | 1.3441 | 17.085  | .26369 | .09061  |
| Stddev | .00242 | .00073 | .0268  | .00071 | .0010  | .213    | .00072 | .02052  |
| %RSD   | .34629 | 1.7389 | 1.0685 | .14711 | .07797 | 1.2456  | .27245 | 22.647  |
| #1     | .69640 | .04106 | 2.4822 | .48393 | 1.3436 | 16.871  | .26309 | .11158  |
| #2     | .70003 | .04251 | 2.5355 | .48262 | 1.3453 | 17.297  | .26349 | .08968  |
| #3     | .70099 | .04174 | 2.5142 | .48374 | 1.3435 | 17.088  | .26449 | .07057  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 1.0398 | 4.6429 | .77968 | 6.6331 | .22652 | F 14.50 | .02086 | <.00000 |
| Stddev | .0062  | .0448  | .00312 | .0051  | .00181 | .02     | .00104 | .23400  |
| %RSD   | .59811 | .96406 | .40070 | .07745 | .79822 | .1215   | 4.9785 | 1.5937  |
| #1     | 1.0469 | 4.6936 | .77666 | 6.6318 | .22577 | 14.48   | .02203 | -14.590 |
| #2     | 1.0360 | 4.6087 | .78290 | 6.6387 | .22858 | 14.52   | .02048 | -14.949 |
| #3     | 1.0364 | 4.6265 | .77948 | 6.6287 | .22520 | 14.50   | .02006 | -14.510 |

Sample Name: K3552-19MS      Acquired: 7/1/2019 12:40:00      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 95.767 |
| Stddev | .809     |
| %RSD   | .84475   |

|    |        |
|----|--------|
| #1 | 96.689 |
| #2 | 95.177 |
| #3 | 95.434 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3717.4 | 41120. | 2727.9 | 27.316 | 2255.7 |
| Stddev    | 10.4   | 79.    | 22.0   | .528   | 4.0    |
| %RSD      | .27924 | .19281 | .80505 | 1.9342 | .17644 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3727.6 | 41211. | 2704.3 | 26.751 | 2258.8 |
| #2 | 3717.7 | 41082. | 2747.7 | 27.399 | 2251.2 |
| #3 | 3706.8 | 41066. | 2731.8 | 27.797 | 2257.1 |

Sample Name: K3552-19MSD      Acquired: 7/1/2019 12:44:27      Type: Unk  
Method: P4-ICP2(v3245)      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    | .53960 | 2.0676 | 1.1680 | 1.2839 | .52792 | 295.36  | 1.2323 | .15437  |
| Stddev | .00334 | .0077  | .0024  | .0093  | .00396 | .51     | .0016  | .00007  |
| %RSD   | .61881 | .37173 | .20747 | .72290 | .75003 | .17257  | .13069 | .04415  |
| #1     | .53607 | 2.0635 | 1.1702 | 1.2754 | .52335 | 295.28  | 1.2326 | .15433  |
| #2     | .54001 | 2.0765 | 1.1683 | 1.2938 | .53028 | 294.89  | 1.2305 | .15445  |
| #3     | .54271 | 2.0629 | 1.1654 | 1.2826 | .53014 | 295.90  | 1.2337 | .15435  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .21889 | 4.0266 | .38179 | .40224 | .41454 | 241.16  | 6.4799 | 30.656  |
| Stddev | .00081 | .0093  | .00122 | .00041 | .00137 | .11     | .0190  | .142    |
| %RSD   | .37135 | .23146 | .31906 | .10272 | .33074 | .04496  | .29254 | .46247  |
| #1     | .21973 | 4.0345 | .38086 | .40271 | .41314 | 241.07  | 6.4747 | 30.494  |
| #2     | .21884 | 4.0163 | .38317 | .40207 | .41588 | 241.28  | 6.4640 | 30.716  |
| #3     | .21810 | 4.0289 | .38134 | .40194 | .41460 | 241.13  | 6.5009 | 30.758  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .70520 | .04326 | 2.4980 | .48615 | 1.3451 | 17.066  | .26760 | .07289  |
| Stddev | .00238 | .00024 | .0123  | .00113 | .0025  | .033    | .00156 | .00844  |
| %RSD   | .33767 | .54717 | .49090 | .23252 | .18656 | .19049  | .58354 | 11.573  |
| #1     | .70566 | .04339 | 2.4873 | .48498 | 1.3423 | 17.082  | .26660 | .07393  |
| #2     | .70731 | .04341 | 2.4953 | .48624 | 1.3470 | 17.028  | .26940 | .08075  |
| #3     | .70262 | .04299 | 2.5114 | .48724 | 1.3461 | 17.087  | .26682 | .06398  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 1.0518 | 4.6336 | .79280 | 6.6366 | .22943 | F 14.57 | .02298 | <.00000 |
| Stddev | .0059  | .0249  | .00671 | .0110  | .00217 | .04     | .00023 | .62915  |
| %RSD   | .55735 | .53637 | .84640 | .16526 | .94522 | .2920   | 1.0132 | 4.3811  |
| #1     | 1.0575 | 4.6315 | .79881 | 6.6277 | .23192 | 14.56   | .02280 | -14.069 |
| #2     | 1.0521 | 4.6594 | .79402 | 6.6332 | .22794 | 14.62   | .02289 | -15.083 |
| #3     | 1.0458 | 4.6098 | .78556 | 6.6488 | .22844 | 14.54   | .02324 | -13.930 |

Sample Name: K3552-19MSD      Acquired: 7/1/2019 12:44:27      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 94.846  
Stddev      .551  
%RSD      .58133

#1      94.315  
#2      94.807  
#3      95.416

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3710.0 | 41027. | 2705.1 | 26.442 | 2255.1 |
| Stddev    | 9.1    | 49.    | 9.8    | .760   | 4.8    |
| %RSD      | .24546 | .11858 | .36230 | 2.8761 | .21104 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3720.5 | 40973. | 2701.5 | 25.821 | 2253.1 |
| #2 | 3704.2 | 41041. | 2697.5 | 26.215 | 2251.7 |
| #3 | 3705.4 | 41067. | 2716.2 | 27.290 | 2260.6 |

Sample Name: K3552-19A      Acquired: 7/1/2019 12:48:54      Type: Unk  
Method: P4-ICP2(v3245)      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    | .53938 | 2.0575 | 1.1588 | 1.2777 | .52788 | 296.25  | 1.2321 | .15408  |
| Stddev | .00314 | .0024  | .0021  | .0107  | .00229 | 1.67    | .0086  | .00048  |
| %RSD   | .58251 | .11420 | .18015 | .83803 | .43296 | .56483  | .69607 | .31450  |
| #1     | .54294 | 2.0559 | 1.1585 | 1.2793 | .52784 | 295.33  | 1.2297 | .15464  |
| #2     | .53817 | 2.0564 | 1.1568 | 1.2663 | .52561 | 298.18  | 1.2416 | .15376  |
| #3     | .53702 | 2.0602 | 1.1610 | 1.2876 | .53018 | 295.23  | 1.2249 | .15385  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .21649 | 4.0379 | .38125 | .39942 | .41483 | 240.10  | 6.4895 | 30.683  |
| Stddev | .00044 | .0336  | .00098 | .00035 | .00119 | .56     | .0076  | .171    |
| %RSD   | .20112 | .83233 | .25689 | .08698 | .28701 | .23236  | .11719 | .55889  |
| #1     | .21695 | 4.0159 | .38077 | .39903 | .41466 | 239.47  | 6.4958 | 30.556  |
| #2     | .21645 | 4.0212 | .38061 | .39954 | .41610 | 240.27  | 6.4810 | 30.878  |
| #3     | .21608 | 4.0766 | .38238 | .39970 | .41374 | 240.55  | 6.4915 | 30.614  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .70251 | .04244 | 2.4955 | .48505 | 1.3436 | 17.158  | .26560 | .05902  |
| Stddev | .00037 | .00013 | .0280  | .00189 | .0026  | .159    | .00063 | .00395  |
| %RSD   | .05327 | .29719 | 1.1204 | .39003 | .19154 | .92517  | .23719 | 6.6853  |
| #1     | .70209 | .04258 | 2.4767 | .48718 | 1.3460 | 17.059  | .26568 | .06353  |
| #2     | .70280 | .04243 | 2.5277 | .48439 | 1.3439 | 17.341  | .26493 | .05733  |
| #3     | .70264 | .04233 | 2.4823 | .48357 | 1.3409 | 17.074  | .26619 | .05620  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 1.0484 | 4.6376 | .78669 | 6.6030 | .22779 | F 14.60 | .02316 | <.00000 |
| Stddev | .0089  | .0416  | .00154 | .0271  | .00091 | .02     | .00055 | .05597  |
| %RSD   | .85237 | .89691 | .19559 | .41099 | .39831 | .1347   | 2.3836 | .40335  |
| #1     | 1.0439 | 4.6695 | .78540 | 6.5730 | .22682 | 14.62   | .02254 | -13.846 |
| #2     | 1.0425 | 4.5906 | .78839 | 6.6257 | .22794 | 14.58   | .02357 | -13.941 |
| #3     | 1.0586 | 4.6527 | .78629 | 6.6104 | .22861 | 14.59   | .02338 | -13.842 |



Sample Name: K3552-19A      Acquired: 7/1/2019 12:48:54      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 95.351 |
| Stddev | .649     |
| %RSD   | .68102   |

|    |        |
|----|--------|
| #1 | 94.624 |
| #2 | 95.556 |
| #3 | 95.874 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3724.4 | 41055. | 2708.8 | 27.314 | 2262.0 |
| Stddev    | 3.9    | 76.    | 22.7   | 1.055  | 2.9    |
| %RSD      | .10552 | .18394 | .83788 | 3.8622 | .12695 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3721.2 | 40978. | 2692.0 | 27.954 | 2258.8 |
| #2 | 3728.8 | 41057. | 2734.6 | 26.096 | 2263.0 |
| #3 | 3723.3 | 41129. | 2699.9 | 27.891 | 2264.3 |

Sample Name: K3158-07      Acquired: 7/1/2019 12:53:22      Type: Unk  
Method: P4-ICP2(v3245)      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    | .03130 | -.00908 | .75727 | -.00079 | .00748 | 118.18 | .48922 | .00465 |
| Stddev | .00076 | .00015  | .00313 | .00028  | .00191 | .92    | .00263 | .00020 |
| %RSD   | 2.4153 | 1.6478  | .41311 | 35.417  | 25.563 | .78068 | .53855 | 4.3161 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .03197 | -.00891 | .76078 | -.00081 | .00764 | 117.13 | .48624 | .00442 |
| #2 | .03048 | -.00911 | .75476 | -.00050 | .00550 | 118.88 | .49123 | .00470 |
| #3 | .03145 | -.00920 | .75629 | -.00105 | .00932 | 118.53 | .49020 | .00481 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00138 | 65.403 | .15376 | .11472 | .28518 | 192.24 | 3.3056 | 68.654 |
| Stddev | .00020  | .485   | .00143 | .00107 | .00088 | .36    | .0050  | .568   |
| %RSD   | 14.594  | .74232 | .92693 | .93641 | .30818 | .18978 | .15118 | .82805 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00117 | 65.664 | .15282 | .11523 | .28496 | 192.17 | 3.3034 | 68.011 |
| #2 | -.00141 | 65.702 | .15540 | .11349 | .28443 | 192.63 | 3.3113 | 68.859 |
| #3 | -.00157 | 64.843 | .15306 | .11545 | .28615 | 191.91 | 3.3021 | 69.091 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .18840 | -.00436 | 4.1070 | .32257 | .59867 | 13.416 | .00610 | -.03114 |
| Stddev | .00072 | .00021  | .0484  | .00106 | .00140 | .116   | .00029 | .01938  |
| %RSD   | .38446 | 4.8042  | 1.1795 | .32794 | .23385 | .86187 | 4.7772 | 62.238  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .18877 | -.00414 | 4.0511 | .32196 | .59779 | 13.284 | .00580 | -.02535 |
| #2 | .18757 | -.00438 | 4.1338 | .32379 | .59793 | 13.471 | .00613 | -.05276 |
| #3 | .18887 | -.00456 | 4.1361 | .32197 | .60028 | 13.495 | .00638 | -.01532 |

|        |        |        |        |        |        |         |         |         |
|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | 4.4886 | 5.4214 | .01928 | 3.6893 | .14703 | F 10.07 | -.06567 | <.00000 |
| Stddev | .0085  | .0943  | .00057 | .0218  | .00121 | .03     | .00037  | .24347  |
| %RSD   | .18915 | 1.7402 | 2.9373 | .59075 | .82588 | .2746   | .55814  | 5.8778  |

|    |        |        |        |        |        |       |         |         |
|----|--------|--------|--------|--------|--------|-------|---------|---------|
| #1 | 4.4955 | 5.5223 | .01955 | 3.7125 | .14828 | 10.10 | -.06533 | -4.0920 |
| #2 | 4.4791 | 5.4064 | .01966 | 3.6864 | .14586 | 10.04 | -.06605 | -3.9277 |
| #3 | 4.4913 | 5.3354 | .01863 | 3.6692 | .14694 | 10.07 | -.06561 | -4.4068 |

Sample Name: K3158-07      Acquired: 7/1/2019 12:53:22      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      61.400  
 Stddev      .478  
 %RSD      .77928

#1      61.169  
 #2      61.950  
 #3      61.081

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2954.5 | 33073. | 2180.8 | 26.557 | 2321.5 |
| Stddev    | 4.9    | 107.   | 24.5   | .101   | 2.7    |
| %RSD      | .16702 | .32231 | 1.1245 | .37938 | .11620 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2957.9 | 33177. | 2160.5 | 26.618 | 2323.1 |
| #2 | 2948.8 | 32964. | 2173.8 | 26.611 | 2323.1 |
| #3 | 2956.8 | 33077. | 2208.1 | 26.440 | 2318.4 |

Sample Name: K3158-07DUP      Acquired: 7/1/2019 12:57:47      Type: Unk  
Method: P4-ICP2(v3245)      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    | .03179 | -.01324 | .85595 | -.00227 | .00415 | 118.35 | .49470 | .00464 |
| Stddev | .00285 | .00079  | .00144 | .00134  | .00190 | 1.02   | .00391 | .00019 |
| %RSD   | 8.9654 | 5.9517  | .16852 | 58.845  | 45.681 | .86199 | .79005 | 4.0255 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .02883 | -.01385 | .85445 | -.00089 | .00588 | 117.23 | .49028 | .00486 |
| #2 | .03203 | -.01235 | .85606 | -.00237 | .00212 | 118.61 | .49611 | .00453 |
| #3 | .03451 | -.01352 | .85733 | -.00356 | .00445 | 119.22 | .49771 | .00454 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00139 | 49.452 | .16517 | .14361 | .39810 | 191.12 | 3.3343 | 58.582 |
| Stddev | .00012  | .336   | .00079 | .00047 | .00069 | .65    | .0041  | .608   |
| %RSD   | 8.5112  | .67995 | .48057 | .32700 | .17270 | .33927 | .12234 | 1.0381 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00127 | 49.241 | .16474 | .14321 | .39871 | 190.51 | 3.3321 | 58.017 |
| #2 | -.00150 | 49.274 | .16468 | .14349 | .39825 | 191.80 | 3.3390 | 58.502 |
| #3 | -.00140 | 49.839 | .16608 | .14412 | .39736 | 191.04 | 3.3318 | 59.226 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .21156 | -.00310 | 3.9157 | .31176 | .58954 | 14.288 | .00418 | -.07045 |
| Stddev | .00145 | .00041  | .0164  | .00171 | .00206 | .151   | .00023 | .01968  |
| %RSD   | .68415 | 13.164  | .41893 | .55008 | .34900 | 1.0579 | 5.5780 | 27.932  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .21317 | -.00266 | 3.8977 | .31188 | .58902 | 14.117 | .00392 | -.04806 |
| #2 | .21116 | -.00316 | 3.9299 | .31341 | .58779 | 14.341 | .00436 | -.08501 |
| #3 | .21036 | -.00347 | 3.9194 | .30999 | .59181 | 14.405 | .00427 | -.07827 |

|        |        |        |        |        |        |         |         |         |
|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | 7.2592 | 5.1475 | .02011 | 4.1588 | .14891 | F 10.16 | -.07857 | <.00000 |
| Stddev | .0088  | .0220  | .00086 | .0239  | .00146 | .02     | .00074  | .63594  |
| %RSD   | .12070 | .42657 | 4.3020 | .57547 | .98030 | .2043   | .93985  | 14.847  |

|    |        |        |        |        |        |       |         |         |
|----|--------|--------|--------|--------|--------|-------|---------|---------|
| #1 | 7.2654 | 5.1255 | .01937 | 4.1317 | .14903 | 10.14 | -.07871 | -3.8470 |
| #2 | 7.2631 | 5.1694 | .01989 | 4.1675 | .14740 | 10.15 | -.07923 | -3.9901 |
| #3 | 7.2492 | 5.1477 | .02106 | 4.1771 | .15031 | 10.18 | -.07777 | -5.0130 |

Sample Name: K3158-07DUP      Acquired: 7/1/2019 12:57:47      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      60.832  
Stddev      .240  
%RSD      .39398

#1      61.095  
#2      60.773  
#3      60.627

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2982.6 | 33417. | 2205.9 | 27.230 | 2361.6 |
| Stddev    | 4.0    | 34.    | 6.2    | .280   | 1.5    |
| %RSD      | .13267 | .10041 | .27980 | 1.0269 | .06206 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2982.3 | 33420. | 2199.0 | 27.254 | 2361.2 |
| #2 | 2986.7 | 33382. | 2210.8 | 27.497 | 2363.3 |
| #3 | 2978.8 | 33449. | 2208.0 | 26.939 | 2360.4 |

Sample Name: CCV02      Acquired: 7/1/2019 13:02:11      Type: Unk  
Method: P4-ICP2(v3245)      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    | 5.0582 | 5.1137 | 5.0176 | 5.1316 | 5.1182 | 10.294 | 10.177   | .25740 |
| Stddev | .0113  | .0102  | .0102  | .0172  | .0154  | .035   | .029     | .00033 |
| %RSD   | .22409 | .20028 | .20301 | .33442 | .30060 | .34091 | .28123   | .13004 |
| #1     | 5.0712 | 5.1233 | 5.0268 | 5.1498 | 5.1310 | 10.273 | 10.196   | .25712 |
| #2     | 5.0528 | 5.1029 | 5.0067 | 5.1294 | 5.1225 | 10.335 | 10.190   | .25777 |
| #3     | 5.0506 | 5.1147 | 5.0193 | 5.1157 | 5.1011 | 10.275 | 10.144   | .25731 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576   | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | 2.5110 | 24.930 | 1.0084 | 2.5205 | 1.2836 | 5.0703 | 2.5727   | 25.101 |
| Stddev | .0047  | .189   | .0010  | .0029  | .0020  | .0040  | .0021    | .310   |
| %RSD   | .18704 | .75940 | .09768 | .11630 | .15815 | .07878 | .08253   | 1.2359 |
| #1     | 2.5163 | 24.719 | 1.0073 | 2.5233 | 1.2849 | 5.0713 | 2.5713   | 25.440 |
| #2     | 2.5075 | 24.989 | 1.0087 | 2.5174 | 1.2846 | 5.0738 | 2.5751   | 25.032 |
| #3     | 2.5091 | 25.083 | 1.0092 | 2.5207 | 1.2813 | 5.0660 | 2.5716   | 24.831 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020   | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | 2.5137 | 1.2542 | 25.001 | 2.5225 | 2.4949 | 25.276 | 5.0999   | 5.0568 |
| Stddev | .0016  | .0008  | .011   | .0054  | .0021  | .050   | .0063    | .0589  |
| %RSD   | .06199 | .05955 | .04455 | .21517 | .08228 | .19613 | .12419   | 1.1650 |
| #1     | 2.5141 | 1.2544 | 25.014 | 2.5191 | 2.4970 | 25.330 | 5.1052   | 5.0965 |
| #2     | 2.5119 | 1.2549 | 24.994 | 2.5287 | 2.4929 | 25.265 | 5.0929   | 5.0848 |
| #3     | 2.5149 | 1.2534 | 24.995 | 2.5196 | 2.4947 | 25.232 | 5.1017   | 4.9891 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077   | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | 5.0264 | 4.8154 | 5.0045 | 4.9845 | 5.0189 | 5.208  | F 5.2572 | 4.9406 |
| Stddev | .0085  | .0540  | .0101  | .0359  | .0329  | .015   | .0336    | .0880  |
| %RSD   | .16930 | 1.1220 | .20077 | .72029 | .65572 | .2963  | .64002   | 1.7802 |
| #1     | 5.0357 | 4.7559 | 5.0019 | 4.9460 | 4.9813 | 5.194  | 5.2192   | 4.8460 |
| #2     | 5.0244 | 4.8288 | 4.9961 | 4.9906 | 5.0329 | 5.205  | 5.2690   | 4.9556 |
| #3     | 5.0191 | 4.8614 | 5.0156 | 5.0170 | 5.0424 | 5.225  | 5.2833   | 5.0200 |

Sample Name: CCV02      Acquired: 7/1/2019 13:02:11      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.4288  
Stddev      .0465  
%RSD      1.9140

#1      2.4628  
#2      2.3758  
#3      2.4476

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2334.9 | 26152. | 1715.9 | 26.847 | 2373.1 |
| Stddev    | 7.1    | 44.    | 13.4   | .289   | 6.2    |
| %RSD      | .30265 | .16688 | .77988 | 1.0757 | .26302 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2327.3 | 26108. | 1727.9 | 26.604 | 2366.0 |
| #2 | 2336.2 | 26196. | 1718.4 | 26.770 | 2377.5 |
| #3 | 2341.3 | 26153. | 1701.5 | 27.166 | 2375.8 |

Sample Name: CCB02      Acquired: 7/1/2019 13:06:09      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |        |        |        |        |         |
|--------|---------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00046 | .00112 | .00029 | .00093 | .00016 | .00151 | .00110 | -.00009 |
| Stddev | .00020  | .00067 | .00066 | .00277 | .00061 | .00782 | .00024 | .00019  |
| %RSD   | 42.893  | 60.508 | 230.89 | 297.01 | 385.71 | 517.70 | 21.458 | 211.94  |

|    |         |        |         |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|---------|--------|---------|
| #1 | -.00053 | .00060 | -.00043 | -.00226 | .00082  | -.00751 | .00116 | -.00025 |
| #2 | -.00061 | .00086 | .00041  | .00249  | -.00037 | .00580  | .00084 | -.00013 |
| #3 | -.00024 | .00188 | .00088  | .00257  | .00002  | .00624  | .00130 | .00012  |

|        |        |         |        |        |        |         |         |         |
|--------|--------|---------|--------|--------|--------|---------|---------|---------|
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00004 | -.01438 | .00011 | .00009 | .00006 | -.00090 | -.00014 | -.07180 |
| Stddev | .00009 | .00850  | .00024 | .00005 | .00028 | .00141  | .00007  | .03644  |
| %RSD   | 227.30 | 59.107  | 213.08 | 57.326 | 471.95 | 157.06  | 52.981  | 50.758  |

|    |         |         |         |        |         |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00000 | -.01494 | -.00016 | .00014 | -.00024 | -.00028 | -.00006 | -.03482 |
| #2 | .00014  | -.02258 | .00022  | .00009 | .00011  | .00009  | -.00014 | -.07289 |
| #3 | -.00002 | -.00561 | .00027  | .00004 | .00032  | -.00251 | -.00021 | -.10769 |

|        |        |        |         |         |         |         |        |         |
|--------|--------|--------|---------|---------|---------|---------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00083 | .00006 | -.22998 | -.00007 | -.00014 | -.09069 | .00063 | -.03533 |
| Stddev | .00015 | .00032 | .00411  | .00024  | .00009  | .08031  | .00048 | .01605  |
| %RSD   | 17.518 | 574.00 | 1.7857  | 358.26  | 66.646  | 88.556  | 75.997 | 45.424  |

|    |        |         |         |         |         |         |        |         |
|----|--------|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00067 | -.00031 | -.23165 | .00018  | -.00010 | -.03791 | .00117 | -.01726 |
| #2 | .00086 | .00025  | -.22530 | -.00029 | -.00007 | -.18311 | .00046 | -.04793 |
| #3 | .00096 | .00023  | -.23298 | -.00009 | -.00024 | -.05104 | .00026 | -.04080 |

|        |        |         |         |         |         |        |         |          |
|--------|--------|---------|---------|---------|---------|--------|---------|----------|
| Elem   | S_1820 | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      |
| Avg    | .00090 | -.00332 | -.00074 | -.00316 | -.00918 | .0017  | -.00007 | F 3.2634 |
| Stddev | .00313 | .00210  | .00114  | .00217  | .00291  | .0007  | .00006  | .0736    |
| %RSD   | 346.12 | 63.270  | 154.30  | 68.845  | 31.667  | 42.82  | 96.304  | 2.2537   |

|    |         |         |         |         |         |       |         |        |
|----|---------|---------|---------|---------|---------|-------|---------|--------|
| #1 | .00252  | -.00093 | .00024  | -.00263 | -.01207 | .0019 | -.00012 | 3.2928 |
| #2 | -.00270 | -.00485 | -.00047 | -.00130 | -.00626 | .0024 | .00000  | 3.3177 |
| #3 | .00290  | -.00417 | -.00199 | -.00555 | -.00922 | .0009 | -.00007 | 3.1797 |



Sample Name: CCB02      Acquired: 7/1/2019 13:06:09      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .43365 |
| Stddev | .05922   |
| %RSD   | 13.657   |

|    |        |
|----|--------|
| #1 | .47415 |
| #2 | .36568 |
| #3 | .46111 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2409.7 | 27005. | 1715.6 | 27.749 | 2667.0 |
| Stddev    | 1.4    | 117.   | 8.0    | .520   | 3.6    |
| %RSD      | .05688 | .43289 | .46449 | 1.8738 | .13589 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2411.1 | 26951. | 1706.9 | 27.164 | 2663.4 |
| #2 | 2409.6 | 26926. | 1717.1 | 28.157 | 2670.6 |
| #3 | 2408.4 | 27140. | 1722.6 | 27.927 | 2667.0 |

Sample Name: K3158-07LX5      Acquired: 7/1/2019 13:10:38      Type: Unk  
Method: P4-ICP2(v3245)      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    | .00710 | -.00095 | .15596 | .00105 | .00000  | 26.939 | .11306 | .00060 |
| Stddev | .00325 | .00040  | .00093 | .00298 | .00037  | .149   | .00116 | .00011 |
| %RSD   | 45.815 | 42.333  | .59820 | 285.04 | 262160. | .55186 | 1.0224 | 18.191 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00358 | -.00104 | .15491 | .00202  | .00019  | 27.104 | .11414 | .00067 |
| #2 | .00999 | -.00130 | .15630 | -.00230 | -.00043 | 26.896 | .11184 | .00048 |
| #3 | .00772 | -.00051 | .15668 | .00342  | .00024  | 26.816 | .11319 | .00066 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00198 | 13.366 | .03931 | .02487 | .08370 | 50.229 | .78943 | 14.572 |
| Stddev | .00008  | .064   | .00022 | .00024 | .00080 | .154   | .00155 | .160   |
| %RSD   | 3.8919  | .47605 | .54869 | .96640 | .95680 | .30564 | .19666 | 1.0973 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00193 | 13.309 | .03948 | .02484 | .08285 | 50.242 | .78765 | 14.720 |
| #2 | -.00206 | 13.353 | .03907 | .02465 | .08445 | 50.070 | .79019 | 14.594 |
| #3 | -.00194 | 13.435 | .03940 | .02512 | .08380 | 50.376 | .79046 | 14.402 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .03887 | -.00004 | .69967 | .07383 | .11045 | 2.9018 | .00141 | -.01991 |
| Stddev | .00083 | .00077  | .01305 | .00040 | .00033 | .0728  | .00017 | .00904  |
| %RSD   | 2.1302 | 1922.9  | 1.8649 | .53754 | .30276 | 2.5091 | 12.337 | 45.401  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .03794 | -.00016 | .70423 | .07387 | .11008 | 2.8883 | .00161 | -.02800 |
| #2 | .03913 | .00078  | .68496 | .07342 | .11057 | 2.8367 | .00128 | -.01015 |
| #3 | .03954 | -.00074 | .70983 | .07421 | .11072 | 2.9804 | .00135 | -.02158 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.0987 | .91046 | .00313 | .88898 | .02887 | 1.902  | -.02301 | 2.2375 |
| Stddev | .0053  | .01031 | .00070 | .00314 | .00046 | .006   | .00010  | .2139  |
| %RSD   | .48301 | 1.1324 | 22.291 | .35280 | 1.5858 | .3175  | .43825  | 9.5606 |

|    |        |        |        |        |        |       |         |        |
|----|--------|--------|--------|--------|--------|-------|---------|--------|
| #1 | 1.0990 | .90448 | .00340 | .88553 | .02940 | 1.895 | -.02312 | 2.0033 |
| #2 | 1.1038 | .90452 | .00366 | .88974 | .02859 | 1.907 | -.02293 | 2.4227 |
| #3 | 1.0932 | .92236 | .00234 | .89166 | .02863 | 1.904 | -.02298 | 2.2864 |

Sample Name: K3158-07LX5      Acquired: 7/1/2019 13:10:38      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 13.554 |
| Stddev | .350   |
| %RSD   | 2.5822 |

|    |        |
|----|--------|
| #1 | 13.294 |
| #2 | 13.416 |
| #3 | 13.952 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2540.7 | 28449. | 1822.4 | 26.345 | 2537.0 |
| Stddev    | 9.8    | 150.   | 7.2    | .940   | 8.7    |
| %RSD      | .38442 | .52843 | .39566 | 3.5681 | .34369 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2542.1 | 28282. | 1828.3 | 27.416 | 2541.7 |
| #2 | 2530.3 | 28573. | 1824.7 | 25.966 | 2527.0 |
| #3 | 2549.7 | 28492. | 1814.4 | 25.655 | 2542.5 |

Sample Name: K3158-07MS      Acquired: 7/1/2019 13:15:07      Type: Unk  
Method: P4-ICP2(v3245)      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    | .68662 | 2.1226 | 1.8479 | 1.6911 | .68476 | 117.77  | .65380 | .17929  |
| Stddev | .00324 | .0013  | .0048  | .0089  | .00104 | 1.07    | .00451 | .00050  |
| %RSD   | .47258 | .05913 | .25756 | .52903 | .15127 | .90491  | .69038 | .27932  |
| #1     | .68990 | 2.1214 | 1.8534 | 1.6809 | .68362 | 116.55  | .64869 | .17949  |
| #2     | .68342 | 2.1239 | 1.8450 | 1.6973 | .68503 | 118.55  | .65549 | .17872  |
| #3     | .68654 | 2.1226 | 1.8453 | 1.6953 | .68564 | 118.19  | .65723 | .17967  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .20978 | 56.988 | .49375 | .34200 | .58818 | 188.38  | 3.4240 | 63.573  |
| Stddev | .00019 | .071   | .00085 | .00111 | .00069 | .69     | .0059  | .574    |
| %RSD   | .08826 | .12528 | .17185 | .32342 | .11782 | .36664  | .17350 | .90214  |
| #1     | .20970 | 56.984 | .49279 | .34328 | .58748 | 187.79  | 3.4172 | 62.974  |
| #2     | .20999 | 57.061 | .49441 | .34146 | .58886 | 188.21  | 3.4278 | 63.626  |
| #3     | .20964 | 56.919 | .49403 | .34128 | .58820 | 189.14  | 3.4271 | 64.118  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .72742 | .05902 | 6.5413 | .56465 | .79215 | 22.289  | .34591 | .22017  |
| Stddev | .00217 | .00039 | .0375  | .00137 | .00157 | .148    | .00119 | .01508  |
| %RSD   | .29776 | .66751 | .57392 | .24266 | .19778 | .66434  | .34380 | 6.8482  |
| #1     | .72949 | .05919 | 6.4987 | .56529 | .79396 | 22.160  | .34456 | .20859  |
| #2     | .72517 | .05857 | 6.5698 | .56307 | .79131 | 22.451  | .34637 | .23722  |
| #3     | .72760 | .05929 | 6.5553 | .56558 | .79118 | 22.256  | .34679 | .21470  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 5.7270 | 4.3837 | .76936 | 3.8473 | .32165 | F 16.42 | .14009 | <.00000 |
| Stddev | .0132  | .0399  | .00216 | .0271  | .00096 | .03     | .00077 | .18220  |
| %RSD   | .23106 | .90982 | .28060 | .70443 | .29889 | .1943   | .54740 | 7.1405  |
| #1     | 5.7144 | 4.4283 | .77028 | 3.8298 | .32242 | 16.45   | .13947 | -2.3492 |
| #2     | 5.7408 | 4.3716 | .76690 | 3.8337 | .32057 | 16.42   | .13984 | -2.7026 |
| #3     | 5.7258 | 4.3513 | .77091 | 3.8785 | .32196 | 16.39   | .14094 | -2.6029 |

Sample Name: K3158-07MS      Acquired: 7/1/2019 13:15:07      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 59.250 |
| Stddev | .186   |
| %RSD   | .31326 |

|    |        |
|----|--------|
| #1 | 59.283 |
| #2 | 59.050 |
| #3 | 59.417 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2956.1 | 33208. | 2181.8 | 28.241 | 2336.0 |
| Stddev    | 2.8    | 59.    | 11.8   | .679   | 4.0    |
| %RSD      | .09594 | .17842 | .53998 | 2.4031 | .17001 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2955.5 | 33276. | 2168.3 | 28.700 | 2331.4 |
| #2 | 2959.2 | 33180. | 2187.0 | 27.462 | 2338.3 |
| #3 | 2953.7 | 33168. | 2190.1 | 28.562 | 2338.3 |

Sample Name: K3158-07MSD      Acquired: 7/1/2019 13:19:27      Type: Unk  
Method: P4-ICP2(v3245)      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    | .68985 | 2.1120 | 1.8429 | 1.6901 | .67819 | 117.49  | .65269 | .17991  |
| Stddev | .00438 | .0052  | .0024  | .0047  | .00099 | .31     | .00315 | .00025  |
| %RSD   | .63471 | .24550 | .13027 | .28134 | .14526 | .26656  | .48215 | .13889  |
| #1     | .69418 | 2.1068 | 1.8431 | 1.6950 | .67708 | 117.22  | .64997 | .18013  |
| #2     | .68543 | 2.1172 | 1.8404 | 1.6855 | .67894 | 117.41  | .65197 | .17998  |
| #3     | .68992 | 2.1120 | 1.8452 | 1.6898 | .67857 | 117.83  | .65614 | .17964  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .20899 | 57.117 | .49452 | .34193 | .58975 | 188.10  | 3.4297 | 63.510  |
| Stddev | .00013 | .208   | .00133 | .00086 | .00008 | 1.03    | .0083  | .365    |
| %RSD   | .06384 | .36361 | .26869 | .25132 | .01369 | .54711  | .24236 | .57493  |
| #1     | .20902 | 57.141 | .49331 | .34291 | .58982 | 188.88  | 3.4332 | 63.391  |
| #2     | .20910 | 56.899 | .49432 | .34130 | .58977 | 188.49  | 3.4202 | 63.219  |
| #3     | .20884 | 57.312 | .49594 | .34157 | .58967 | 186.93  | 3.4357 | 63.920  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .72542 | .05883 | 6.5132 | .56449 | .79210 | 22.267  | .34516 | .21465  |
| Stddev | .00223 | .00034 | .0331  | .00228 | .00072 | .089    | .00092 | .01294  |
| %RSD   | .30807 | .57366 | .50754 | .40458 | .09069 | .39853  | .26518 | 6.0291  |
| #1     | .72741 | .05922 | 6.5238 | .56708 | .79260 | 22.246  | .34607 | .22365  |
| #2     | .72584 | .05864 | 6.4761 | .56275 | .79243 | 22.190  | .34424 | .22048  |
| #3     | .72300 | .05864 | 6.5396 | .56365 | .79128 | 22.364  | .34517 | .19982  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 5.7459 | 4.2868 | .76729 | 3.8563 | .32354 | F 16.39 | .14043 | <.00000 |
| Stddev | .0129  | .0232  | .00263 | .0133  | .00152 | .00     | .00125 | .02048  |
| %RSD   | .22399 | .54187 | .34213 | .34485 | .46854 | .0244   | .89230 | .72258  |
| #1     | 5.7311 | 4.3128 | .76654 | 3.8709 | .32349 | 16.39   | .14027 | -2.8108 |
| #2     | 5.7524 | 4.2682 | .76512 | 3.8448 | .32204 | 16.40   | .13926 | -2.8419 |
| #3     | 5.7542 | 4.2795 | .77021 | 3.8533 | .32507 | 16.39   | .14175 | -2.8494 |

Sample Name: K3158-07MSD      Acquired: 7/1/2019 13:19:27      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 58.715 |
| Stddev | .188   |
| %RSD   | .32102 |

|    |        |
|----|--------|
| #1 | 58.500 |
| #2 | 58.852 |
| #3 | 58.793 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2943.6 | 33082. | 2165.1 | 26.993 | 2330.0 |
| Stddev    | 6.7    | 44.    | 14.2   | .549   | 5.8    |
| %RSD      | .22831 | .13373 | .65430 | 2.0349 | .24801 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2935.9 | 33065. | 2150.9 | 27.094 | 2323.4 |
| #2 | 2948.3 | 33133. | 2179.3 | 26.400 | 2332.3 |
| #3 | 2946.5 | 33049. | 2165.0 | 27.485 | 2334.2 |

Sample Name: K3158-07A      Acquired: 7/1/2019 13:23:46      Type: Unk  
Method: P4-ICP2(v3245)      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    | .68785 | 2.1029 | 1.8244 | 1.6860 | .68210 | 117.64  | .65334 | .17969  |
| Stddev | .00310 | .0051  | .0054  | .0094  | .00087 | .61     | .00204 | .00048  |
| %RSD   | .45082 | .24331 | .29729 | .55994 | .12785 | .51862  | .31177 | .26628  |
| #1     | .68576 | 2.1036 | 1.8279 | 1.6833 | .68112 | 118.34  | .65568 | .17942  |
| #2     | .68639 | 2.0974 | 1.8182 | 1.6965 | .68239 | 117.35  | .65240 | .17941  |
| #3     | .69142 | 2.1076 | 1.8272 | 1.6782 | .68280 | 117.22  | .65194 | .18024  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .20784 | 57.105 | .49315 | .33931 | .59001 | 188.70  | 3.4101 | 63.774  |
| Stddev | .00009 | .100   | .00195 | .00013 | .00089 | .59     | .0016  | .360    |
| %RSD   | .04483 | .17511 | .39640 | .03723 | .15018 | .31346  | .04575 | .56482  |
| #1     | .20776 | 57.184 | .49089 | .33918 | .58934 | 189.24  | 3.4119 | 64.072  |
| #2     | .20783 | 57.138 | .49435 | .33931 | .58968 | 188.07  | 3.4094 | 63.877  |
| #3     | .20794 | 56.992 | .49420 | .33943 | .59102 | 188.78  | 3.4091 | 63.374  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .72384 | .05905 | 6.5589 | .56510 | .78701 | 22.365  | .34668 | .23103  |
| Stddev | .00077 | .00098 | .0145  | .00080 | .00320 | .192    | .00081 | .00386  |
| %RSD   | .10609 | 1.6564 | .22065 | .14157 | .40704 | .85733  | .23359 | 1.6707  |
| #1     | .72310 | .05990 | 6.5752 | .56477 | .78750 | 22.585  | .34574 | .23528  |
| #2     | .72463 | .05798 | 6.5542 | .56452 | .78359 | 22.234  | .34715 | .22774  |
| #3     | .72379 | .05928 | 6.5475 | .56601 | .78994 | 22.275  | .34713 | .23007  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 5.7326 | 4.3569 | .77049 | 3.8795 | .32459 | F 16.37 | .14118 | <.00000 |
| Stddev | .0324  | .0243  | .00071 | .0019  | .00023 | .02     | .00165 | .20114  |
| %RSD   | .56449 | .55742 | .09226 | .04887 | .07076 | .1045   | 1.1667 | 7.0458  |
| #1     | 5.7564 | 4.3292 | .77042 | 3.8778 | .32483 | 16.36   | .13943 | -2.8132 |
| #2     | 5.6957 | 4.3675 | .76982 | 3.8816 | .32437 | 16.36   | .14271 | -2.6776 |
| #3     | 5.7457 | 4.3742 | .77123 | 3.8791 | .32457 | 16.39   | .14140 | -3.0734 |



Sample Name: K3158-07A      Acquired: 7/1/2019 13:23:46      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 59.263 |
| Stddev | .518   |
| %RSD   | .87472 |

|    |        |
|----|--------|
| #1 | 59.291 |
| #2 | 58.732 |
| #3 | 59.768 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2957.6 | 33117. | 2171.2 | 27.064 | 2346.4 |
| Stddev    | 6.9    | 101.   | 1.2    | .870   | 7.7    |
| %RSD      | .23164 | .30360 | .05644 | 3.2162 | .32833 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2953.0 | 33002. | 2172.6 | 28.007 | 2343.7 |
| #2 | 2965.5 | 33191. | 2171.0 | 26.893 | 2355.1 |
| #3 | 2954.3 | 33158. | 2170.2 | 26.291 | 2340.4 |

Sample Name: PB121056BL      Acquired: 7/1/2019 13:28:04      Type: Unk  
Method: P4-ICP2(v3245)      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    | -0.00581 | -0.00061 | -0.00068 | .00120 | .00140 | .04394 | .00196 |
| Stddev | .00236   | .00101   | .00066   | .00212 | .00151 | .01654 | .00030 |
| %RSD   | 40.616   | 166.81   | 97.291   | 176.19 | 107.84 | 37.651 | 15.523 |

|    |          |          |          |          |          |        |        |
|----|----------|----------|----------|----------|----------|--------|--------|
| #1 | -0.00708 | -0.00140 | -0.00045 | .00145   | .00288   | .06257 | .00168 |
| #2 | -0.00309 | -0.00094 | -0.00016 | .00319   | .00146   | .03827 | .00228 |
| #3 | -0.00727 | .00053   | -0.00143 | -0.00103 | -0.00014 | .03098 | .00192 |

|        |          |          |        |        |        |          |        |
|--------|----------|----------|--------|--------|--------|----------|--------|
| Elem   | Be2348   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | -0.00008 | -0.00007 | .11990 | .00022 | .00017 | -0.00055 | .00994 |
| Stddev | .00003   | .00004   | .00714 | .00032 | .00033 | .00020   | .00097 |
| %RSD   | 32.150   | 54.538   | 5.9576 | 147.77 | 200.88 | 35.757   | 9.7863 |

|    |          |          |        |          |          |          |        |
|----|----------|----------|--------|----------|----------|----------|--------|
| #1 | -0.00006 | -0.00008 | .11633 | .00010   | .00002   | -0.00061 | .01094 |
| #2 | -0.00011 | -0.00011 | .12813 | .00058   | -0.00007 | -0.00072 | .00986 |
| #3 | -0.00008 | -0.00003 | .11525 | -0.00003 | .00055   | -0.00033 | .00900 |

|        |        |          |        |        |          |          |        |
|--------|--------|----------|--------|--------|----------|----------|--------|
| Elem   | Mn2576 | Mg2790   | Ni2316 | Ag3280 | Na5895   | V_2924   | Zn2138 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm      | ppm      | ppm    |
| Avg    | .00066 | -0.07176 | .00089 | .00048 | -0.26019 | -0.00060 | .01870 |
| Stddev | .00010 | .03998   | .00037 | .00073 | .01256   | .00037   | .00013 |
| %RSD   | 14.500 | 55.713   | 42.019 | 153.88 | 4.8270   | 62.385   | .68492 |

|    |        |          |        |        |          |          |        |
|----|--------|----------|--------|--------|----------|----------|--------|
| #1 | .00061 | -0.04496 | .00118 | .00005 | -0.26966 | -0.00098 | .01857 |
| #2 | .00060 | -0.05261 | .00102 | .00132 | -0.26497 | -0.00058 | .01883 |
| #3 | .00077 | -0.11771 | .00047 | .00006 | -0.24594 | -0.00024 | .01870 |

|        |          |        |          |          |        |          |          |
|--------|----------|--------|----------|----------|--------|----------|----------|
| Elem   | K_7664   | Mo2020 | B_2496   | S_1820   | Si2881 | Sn1899   | Ti3361   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm    | ppm      | ppm      |
| Avg    | -0.13272 | .00003 | -0.00404 | F .01244 | .00693 | -0.00072 | -0.00165 |
| Stddev | .00703   | .00011 | .00793   | .00681   | .00121 | .00018   | .00254   |
| %RSD   | 5.3003   | 382.68 | 196.22   | 54.722   | 17.409 | 24.376   | 153.59   |

|    |          |          |          |        |        |          |          |
|----|----------|----------|----------|--------|--------|----------|----------|
| #1 | -0.14050 | .00016   | .00504   | .02016 | .00557 | -0.00062 | -0.00320 |
| #2 | -0.12681 | -0.00003 | -0.00955 | .00986 | .00737 | -0.00062 | -0.00303 |
| #3 | -0.13084 | -0.00004 | -0.00761 | .00731 | .00786 | -0.00092 | .00128   |

Sample Name: PB121056BL      Acquired: 7/1/2019 13:28:04      Type: Unk  
Method: P4-ICP2(v3245)      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       | <span style="color: red;">F</span> <span style="color: blue;">-.01220</span> | <span style="color: blue;">.0046</span>   | <span style="color: blue;">.00079</span>  | <span style="color: blue;">3.4145</span>  | <span style="color: blue;">.23026</span>  |
| Stddev    | .00185                                                                       | .0047                                     | .00008                                    | .0053                                     | .11880                                    |
| %RSD      | 15.179                                                                       | 102.0                                     | 10.420                                    | .15520                                    | 51.594                                    |
| #1        | <span style="color: blue;">-.01147</span>                                    | <span style="color: blue;">.0051</span>   | <span style="color: blue;">.00084</span>  | <span style="color: blue;">3.4133</span>  | <span style="color: blue;">.28744</span>  |
| #2        | <span style="color: blue;">-.01430</span>                                    | <span style="color: blue;">.0090</span>   | <span style="color: blue;">.00070</span>  | <span style="color: blue;">3.4203</span>  | <span style="color: blue;">.30964</span>  |
| #3        | <span style="color: blue;">-.01082</span>                                    | <span style="color: blue;">-.0003</span>  | <span style="color: blue;">.00084</span>  | <span style="color: blue;">3.4099</span>  | <span style="color: blue;">.09368</span>  |
| Int. Std. | Y_2243                                                                       | Y_3600                                    | Y_3710                                    | In2306                                    | In2306                                    |
| Units     | Cts/S                                                                        | Cts/S                                     | Cts/S                                     | Cts/S                                     | Cts/S                                     |
| Avg       | <span style="color: green;">2401.7</span>                                    | <span style="color: green;">27214.</span> | <span style="color: green;">1724.0</span> | <span style="color: green;">26.939</span> | <span style="color: green;">2657.9</span> |
| Stddev    | 4.1                                                                          | 96.                                       | 5.7                                       | .961                                      | 4.4                                       |
| %RSD      | .16971                                                                       | .35440                                    | .33168                                    | 3.5667                                    | .16466                                    |
| #1        | <span style="color: green;">2401.0</span>                                    | <span style="color: green;">27128.</span> | <span style="color: green;">1730.1</span> | <span style="color: green;">27.298</span> | <span style="color: green;">2654.4</span> |
| #2        | <span style="color: green;">2398.0</span>                                    | <span style="color: green;">27194.</span> | <span style="color: green;">1718.7</span> | <span style="color: green;">27.668</span> | <span style="color: green;">2656.6</span> |
| #3        | <span style="color: green;">2406.1</span>                                    | <span style="color: green;">27318.</span> | <span style="color: green;">1723.2</span> | <span style="color: green;">25.850</span> | <span style="color: green;">2662.8</span> |

Sample Name: PB121056BS      Acquired: 7/1/2019 13:32:31      Type: Unk  
Method: P4-ICP2(v3245)      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    | .68265 | 1.7940 | .86865 | 1.7482 | .72260 | 1.8546 | .18947 |
| Stddev | .00361 | .0037  | .00158 | .0035  | .00146 | .0547  | .00088 |
| %RSD   | .52873 | .20693 | .18184 | .20187 | .20182 | 2.9509 | .46587 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .67852 | 1.7905 | .86730 | 1.7520 | .72313 | 1.7917 | .18876 |
| #2 | .68519 | 1.7979 | .87039 | 1.7474 | .72371 | 1.8805 | .18919 |
| #3 | .68425 | 1.7935 | .86826 | 1.7451 | .72095 | 1.8916 | .19046 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17888 | .17028 | .94033 | .37951 | .18043 | .29236 | 2.8602 |
| Stddev | .00023 | .00021 | .03292 | .00161 | .00024 | .00033 | .0050  |
| %RSD   | .12609 | .12098 | 3.5004 | .42401 | .13154 | .11327 | .17530 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17866 | .17005 | .94672 | .37786 | .18017 | .29273 | 2.8569 |
| #2 | .17887 | .17044 | .90468 | .38108 | .18064 | .29225 | 2.8577 |
| #3 | .17911 | .17036 | .96957 | .37957 | .18047 | .29210 | 2.8659 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19474 | 1.7505 | .44806 | .06627 | 2.4774 | .28415 | .17728 |
| Stddev | .00060 | .1503  | .00107 | .00056 | .0188  | .00069 | .00008 |
| %RSD   | .31035 | 8.5871 | .23889 | .85155 | .76031 | .24172 | .04273 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19542 | 1.8545 | .44738 | .06653 | 2.4556 | .28345 | .17727 |
| #2 | .19429 | 1.8189 | .44751 | .06665 | 2.4877 | .28482 | .17736 |
| #3 | .19450 | 1.5782 | .44929 | .06562 | 2.4887 | .28418 | .17721 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 8.9787 | .38171 | .24976 | F -.00427 | .78496 | .61034 | .18629 |
| Stddev | .1355  | .00067 | .01578 | .00221    | .00201 | .00075 | .00292 |
| %RSD   | 1.5089 | .17440 | 6.3172 | 51.764    | .25661 | .12339 | 1.5691 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 8.8964 | .38248 | .25283 | -.00175 | .78547 | .61049 | .18501 |
| #2 | 8.9047 | .38136 | .23267 | -.00515 | .78274 | .60952 | .18964 |
| #3 | 9.1351 | .38130 | .26377 | -.00590 | .78667 | .61101 | .18423 |

Sample Name: PB121056BS      Acquired: 7/1/2019 13:32:31      Type: Unk  
Method: P4-ICP2(v3245)      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       | .17692 | 5.053  | .23032 | F 4.5034 | F .09005 |
| Stddev    | .00215 | .004   | .00042 | .3502    | .12025   |
| %RSD      | 1.2165 | .0780  | .18232 | 7.7766   | 133.54   |
| #1        | .17466 | 5.056  | .23015 | 4.9003   | .04965   |
| #2        | .17716 | 5.048  | .23001 | 4.3716   | -.00480  |
| #3        | .17894 | 5.053  | .23080 | 4.2381   | .22531   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2395.6 | 27068. | 1715.7 | 27.546   | 2623.8   |
| Stddev    | 10.7   | 6.     | 6.7    | 1.064    | 8.4      |
| %RSD      | .44574 | .02121 | .38851 | 3.8627   | .31913   |
| #1        | 2385.8 | 27070. | 1708.2 | 26.466   | 2616.0   |
| #2        | 2394.1 | 27072. | 1718.1 | 28.593   | 2622.7   |
| #3        | 2407.0 | 27061. | 1720.8 | 27.580   | 2632.6   |

Sample Name: PB121060BL      Acquired: 7/1/2019 13:36:38      Type: Unk  
Method: P4-ICP2(v3245)      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    | -.00227 | .00000 | -.00117 | -.00208 | .00065 | .01755 | .00164 |
| Stddev | .00141  | .00043 | .00024  | .00216  | .00154 | .02037 | .00136 |
| %RSD   | 61.952  | 9738.0 | 20.430  | 104.07  | 237.60 | 116.10 | 83.015 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00238 | .00041  | -.00130 | -.00232 | .00039  | -.00412 | .00113 |
| #2 | -.00081 | .00005  | -.00131 | -.00412 | -.00075 | .03631  | .00318 |
| #3 | -.00362 | -.00045 | -.00089 | .00019  | .00230  | .02045  | .00061 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | -.00000 | .02929 | .00065 | .00012 | .00009 | .02025 |
| Stddev | .00009  | .00003  | .02700 | .00014 | .00020 | .00010 | .00036 |
| %RSD   | 352.42  | 2429.1  | 92.197 | 20.853 | 158.68 | 110.36 | 1.7991 |

|    |         |         |         |        |         |         |        |
|----|---------|---------|---------|--------|---------|---------|--------|
| #1 | .00000  | .00003  | .04701  | .00060 | .00031  | .00009  | .02061 |
| #2 | -.00013 | -.00002 | .04263  | .00055 | -.00008 | .00018  | .01988 |
| #3 | .00005  | -.00001 | -.00179 | .00081 | .00014  | -.00001 | .02026 |

|        |        |        |        |        |         |         |          |
|--------|--------|--------|--------|--------|---------|---------|----------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .00094 | .02367 | .00143 | .00093 | -.31611 | -.00016 | F .01011 |
| Stddev | .00011 | .05421 | .00023 | .00054 | .01007  | .00050  | .00021   |
| %RSD   | 11.552 | 229.07 | 16.341 | 58.659 | 3.1844  | 310.37  | 2.0481   |

|    |        |         |        |        |         |         |        |
|----|--------|---------|--------|--------|---------|---------|--------|
| #1 | .00097 | .06037  | .00139 | .00030 | -.32512 | .00042  | .00987 |
| #2 | .00102 | .04923  | .00168 | .00130 | -.30525 | -.00043 | .01019 |
| #3 | .00082 | -.03860 | .00122 | .00118 | -.31796 | -.00047 | .01026 |

|        |         |         |         |         |        |         |         |
|--------|---------|---------|---------|---------|--------|---------|---------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.18610 | -.00033 | -.02038 | -.00421 | .00001 | -.00086 | -.00328 |
| Stddev | .02730  | .00022  | .01302  | .00437  | .00141 | .00043  | .00492  |
| %RSD   | 14.669  | 65.143  | 63.909  | 103.76  | 18758. | 50.099  | 150.15  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.16972 | -.00027 | -.00608 | -.00815 | .00159  | -.00127 | .00142  |
| #2 | -.21761 | -.00058 | -.02350 | -.00497 | -.00111 | -.00041 | -.00840 |
| #3 | -.17096 | -.00016 | -.03155 | .00049  | -.00046 | -.00091 | -.00286 |

Sample Name: PB121060BL      Acquired: 7/1/2019 13:36:38      Type: Unk  
Method: P4-ICP2(v3245)      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       | F -.01146 | .0033  | .00028 | F 3.0033 | F .67169 |
| Stddev    | .00053    | .0016  | .00012 | .2533    | .08487   |
| %RSD      | 4.6412    | 48.84  | 42.535 | 8.4343   | 12.636   |
| #1        | -.01207   | .0048  | .00042 | 2.7136   | .74015   |
| #2        | -.01119   | .0016  | .00020 | 3.1829   | .57673   |
| #3        | -.01112   | .0036  | .00022 | 3.1135   | .69818   |
| Int. Std. | Y_2243    | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S     | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2483.5    | 28021. | 1754.6 | 26.608   | 2746.6   |
| Stddev    | 3.9       | 50.    | 15.2   | .640     | 4.6      |
| %RSD      | .15694    | .17814 | .86601 | 2.4054   | .16888   |
| #1        | 2480.0    | 28050. | 1743.4 | 26.698   | 2751.9   |
| #2        | 2482.9    | 27964. | 1748.5 | 27.198   | 2744.5   |
| #3        | 2487.7    | 28050. | 1771.9 | 25.927   | 2743.3   |

Sample Name: PB121060BS      Acquired: 7/1/2019 13:41:06      Type: Unk  
Method: P4-ICP2(v3245)      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    | .76355 | 2.0100 | .97639 | 1.9604 | .79601 | 2.0526 | .20456 |
| Stddev | .00284 | .0109  | .00247 | .0099  | .00028 | .0289  | .00186 |
| %RSD   | .37182 | .53958 | .25277 | .50450 | .03480 | 1.4063 | .90870 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76547 | 2.0075 | .97412 | 1.9703 | .79624 | 2.0595 | .20290 |
| #2 | .76490 | 2.0218 | .97902 | 1.9603 | .79570 | 2.0210 | .20421 |
| #3 | .76029 | 2.0006 | .97602 | 1.9505 | .79610 | 2.0775 | .20656 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20152 | .19138 | 1.0855 | .41763 | .20011 | .32479 | 3.1755 |
| Stddev | .00050 | .00020 | .0089  | .00170 | .00046 | .00099 | .0039  |
| %RSD   | .24597 | .10189 | .81763 | .40700 | .22874 | .30399 | .12418 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20095 | .19130 | 1.0772 | .41669 | .20005 | .32572 | 3.1765 |
| #2 | .20177 | .19160 | 1.0845 | .41660 | .20059 | .32491 | 3.1711 |
| #3 | .20184 | .19123 | 1.0948 | .41959 | .19968 | .32375 | 3.1787 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21602 | 1.9100 | .49872 | .07333 | 2.6406 | .30919 | .19823 |
| Stddev | .00021 | .0483  | .00062 | .00036 | .0230  | .00061 | .00075 |
| %RSD   | .09909 | 2.5263 | .12491 | .49090 | .87255 | .19882 | .37871 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21578 | 1.9203 | .49820 | .07374 | 2.6170 | .30975 | .19788 |
| #2 | .21609 | 1.8574 | .49941 | .07306 | 2.6418 | .30853 | .19909 |
| #3 | .21619 | 1.9523 | .49854 | .07319 | 2.6631 | .30927 | .19771 |

|        |        |        |          |           |        |        |        |
|--------|--------|--------|----------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496   | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm      | ppm       | ppm    | ppm    | ppm    |
| Avg    | 9.7937 | .41298 | F .23254 | F -.00920 | .77720 | .67683 | .19896 |
| Stddev | .1227  | .00072 | .01149   | .00084    | .00714 | .00252 | .00170 |
| %RSD   | 1.2524 | .17362 | 4.9415   | 9.0870    | .91816 | .37270 | .85553 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.7201 | .41356 | .23234 | -.00854 | .77136 | .67609 | .19700 |
| #2 | 9.9353 | .41321 | .24413 | -.01014 | .77507 | .67964 | .19992 |
| #3 | 9.7258 | .41218 | .22115 | -.00891 | .78515 | .67475 | .19997 |



Sample Name: PB121060BS      Acquired: 7/1/2019 13:41:06      Type: Unk  
 Method: P4-ICP2(v3245)      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       | .19562 | 5.697  | F .25120 | F 4.2691 | F .43934 |
| Stddev    | .00219 | .029   | .00098   | .1258    | .28051   |
| %RSD      | 1.1216 | .5072  | .38973   | 2.9457   | 63.848   |
| #1        | .19815 | 5.685  | .25088   | 4.1500   | .59818   |
| #2        | .19424 | 5.730  | .25230   | 4.4005   | .60440   |
| #3        | .19448 | 5.675  | .25042   | 4.2567   | .11546   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710   | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2475.1 | 27811. | 1744.8   | 27.764   | 2683.8   |
| Stddev    | 5.6    | 38.    | 6.7      | 1.033    | 4.1      |
| %RSD      | .22541 | .13543 | .38215   | 3.7220   | .15254   |
| #1        | 2468.8 | 27769. | 1738.7   | 27.730   | 2681.9   |
| #2        | 2477.0 | 27841. | 1743.7   | 28.814   | 2681.0   |
| #3        | 2479.5 | 27823. | 1751.9   | 26.748   | 2688.5   |

Sample Name: K3539-02      Acquired: 7/1/2019 13:45:12      Type: Unk  
 Method: P4-ICP2(v3245)      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    | .00280   | .00130  | .01326  | -.00058 | -.00106 | .13493 | .09236 | .00006  |
| Stddev | .00169   | .00156  | .00042  | .00449  | .00051  | .01525 | .00076 | .00016  |
| %RSD   | 60.477   | 120.12  | 3.1698  | 770.64  | 47.972  | 11.302 | .82361 | 249.57  |
| #1     | .00175   | .00220  | .01308  | .00419  | -.00165 | .11737 | .09170 | -.00009 |
| #2     | .00475   | -.00050 | .01374  | -.00122 | -.00085 | .14477 | .09219 | .00022  |
| #3     | .00189   | .00219  | .01296  | -.00471 | -.00069 | .14266 | .09319 | .00005  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00028  | 67.582  | -.00063 | -.00018 | .00540  | .17203 | .04511 | 136.96  |
| Stddev | .00004   | .337    | .00017  | .00017  | .00073  | .00200 | .00036 | .97     |
| %RSD   | 15.064   | .49801  | 26.168  | 95.368  | 13.555  | 1.1632 | .79685 | .71164  |
| #1     | -.00029  | 67.339  | -.00048 | .00002  | .00471  | .16972 | .04471 | 135.83  |
| #2     | -.00023  | 67.967  | -.00061 | -.00029 | .00532  | .17315 | .04539 | 137.52  |
| #3     | -.00032  | 67.441  | -.00081 | -.00027 | .00617  | .17322 | .04524 | 137.52  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00203  | .00046  | 1067.1  | .00122  | .10126  | 80.182 | .00472 | .52789  |
| Stddev | .00011   | .00019  | 8.5     | .00094  | .00034  | .437   | .00030 | .01318  |
| %RSD   | 5.4121   | 42.190  | .79369  | 76.983  | .33616  | .54468 | 6.4522 | 2.4977  |
| #1     | -.00192  | .00066  | 1057.6  | .00015  | .10101  | 79.785 | .00477 | .53131  |
| #2     | -.00214  | .00028  | 1069.5  | .00161  | .10114  | 80.650 | .00499 | .53903  |
| #3     | -.00204  | .00044  | 1074.0  | .00191  | .10165  | 80.112 | .00439 | .51333  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | F 117.68 | 2.5697  | -.04129 | -.00217 | .01393  | .1011  | 1.1141 | 5.4304  |
| Stddev | .26      | .0029   | .00070  | .00370  | .00130  | .0009  | .0045  | .1902   |
| %RSD   | .21714   | .11481  | 1.6911  | 169.94  | 9.3376  | .8647  | .40708 | 3.5029  |
| #1     | 117.48   | 2.5681  | -.04052 | -.00640 | .01300  | .1019  | 1.1117 | 5.2220  |
| #2     | 117.59   | 2.5678  | -.04189 | -.00056 | .01338  | .1011  | 1.1194 | 5.5947  |
| #3     | 117.96   | 2.5731  | -.04146 | .00044  | .01542  | .1002  | 1.1114 | 5.4744  |

Sample Name: K3539-02      Acquired: 7/1/2019 13:45:12      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.8934 |
| Stddev | .3156  |
| %RSD   | 16.666 |

|    |        |
|----|--------|
| #1 | 1.9153 |
| #2 | 2.1975 |
| #3 | 1.5675 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2344.7 | 25995. | 1787.2 | 28.029 | 2255.2 |
| Stddev    | 11.0   | 118.   | 3.7    | 1.201  | 10.1   |
| %RSD      | .46895 | .45389 | .20509 | 4.2850 | .44880 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2355.2 | 26131. | 1791.2 | 28.250 | 2262.7 |
| #2 | 2345.5 | 25936. | 1784.0 | 29.103 | 2259.1 |
| #3 | 2333.2 | 25918. | 1786.4 | 26.732 | 2243.7 |

Sample Name: K3539-08      Acquired: 7/1/2019 13:49:42      Type: Unk  
Method: P4-ICP2(v3245)      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    | .00804   | -.00039 | .00769  | .00237  | -.00092 | .15474 | .13115 | -.00003 |
| Stddev | .00209   | .00141  | .00028  | .00138  | .00162  | .04150 | .00158 | .00004  |
| %RSD   | 26.022   | 358.12  | 3.5831  | 58.183  | 176.60  | 26.822 | 1.2051 | 114.86  |
| #1     | .00707   | -.00173 | .00753  | .00281  | -.00158 | .16569 | .13032 | -.00005 |
| #2     | .01044   | -.00053 | .00801  | .00348  | .00093  | .18968 | .13298 | -.00005 |
| #3     | .00662   | .00108  | .00754  | .00083  | -.00210 | .10886 | .13017 | .00001  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00044  | 90.752  | -.00127 | -.00032 | .00237  | .00629 | .09234 | 233.37  |
| Stddev | .00008   | .188    | .00027  | .00014  | .00049  | .00212 | .00243 | 4.36    |
| %RSD   | 18.280   | .20702  | 21.596  | 43.832  | 20.481  | 33.754 | 2.6330 | 1.8678  |
| #1     | -.00035  | 90.717  | -.00102 | -.00019 | .00279  | .00438 | .09090 | 229.80  |
| #2     | -.00051  | 90.585  | -.00157 | -.00030 | .00249  | .00857 | .09515 | 238.23  |
| #3     | -.00048  | 90.955  | -.00122 | -.00046 | .00184  | .00591 | .09098 | 232.09  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00500  | .00007  | 1696.9  | -.00015 | .01770  | 116.95 | .00729 | .83264  |
| Stddev | .00037   | .00051  | 24.6    | .00101  | .00017  | 2.24   | .00024 | .03094  |
| %RSD   | 7.3834   | 750.22  | 1.4469  | 675.21  | .97789  | 1.9162 | 3.3396 | 3.7161  |
| #1     | -.00478  | .00065  | 1676.5  | -.00131 | .01772  | 115.45 | .00730 | .81614  |
| #2     | -.00543  | -.00028 | 1724.2  | .00033  | .01787  | 119.53 | .00753 | .86834  |
| #3     | -.00479  | -.00017 | 1690.2  | .00053  | .01752  | 115.87 | .00704 | .81345  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | F 205.12 | 2.1302  | -.07403 | -.00383 | .02402  | .1260  | 1.7324 | 6.5719  |
| Stddev | .64      | .0113   | .00058  | .00212  | .00437  | .0047  | .0022  | .5049   |
| %RSD   | .31278   | .53131  | .77890  | 55.239  | 18.204  | 3.722  | .12607 | 7.6824  |
| #1     | 205.75   | 2.1194  | -.07391 | -.00228 | .01935  | .1255  | 1.7305 | 6.2924  |
| #2     | 205.12   | 2.1420  | -.07466 | -.00624 | .02471  | .1310  | 1.7320 | 7.1547  |
| #3     | 204.47   | 2.1292  | -.07352 | -.00297 | .02801  | .1216  | 1.7348 | 6.2685  |

Sample Name: K3539-08      Acquired: 7/1/2019 13:49:42      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.6283  
Stddev      .1099  
%RSD      4.1810

#1      2.5020  
#2      2.7024  
#3      2.6804

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2274.9 | 24815. | 1761.7 | 27.505 | 2141.7 |
| Stddev    | 9.5    | 383.   | 7.2    | 1.208  | 8.0    |
| %RSD      | .41834 | 1.5423 | .41128 | 4.3904 | .37582 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2267.4 | 25009. | 1755.7 | 27.884 | 2132.6 |
| #2 | 2285.6 | 24375. | 1769.7 | 26.154 | 2147.8 |
| #3 | 2271.7 | 25062. | 1759.6 | 28.478 | 2144.7 |

Sample Name: CCV03      Acquired: 7/1/2019 14:06:51      Type: Unk  
Method: P4-ICP2(v3245)      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    | 5.0999 | 5.1711 | 5.0363 | 5.1854 | 5.1682 | 10.281 | 10.229 | .25826 |
| Stddev | .0021  | .0018  | .0056  | .0249  | .0138  | .122   | .076   | .00097 |
| %RSD   | .04066 | .03480 | .11197 | .47987 | .26807 | 1.1842 | .74786 | .37517 |
| #1     | 5.0979 | 5.1699 | 5.0302 | 5.1863 | 5.1694 | 10.166 | 10.146 | .25715 |
| #2     | 5.1020 | 5.1731 | 5.0413 | 5.2099 | 5.1814 | 10.267 | 10.242 | .25889 |
| #3     | 5.0998 | 5.1702 | 5.0374 | 5.1601 | 5.1538 | 10.409 | 10.298 | .25875 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5284 | 25.070 | 1.0068 | 2.5342 | 1.2944 | 5.0663 | 2.5851 | 25.021 |
| Stddev | .0027  | .030   | .0004  | .0042  | .0031  | .0088  | .0080  | .317   |
| %RSD   | .10883 | .12027 | .03659 | .16493 | .23832 | .17402 | .31092 | 1.2673 |
| #1     | 2.5255 | 25.035 | 1.0073 | 2.5298 | 1.2960 | 5.0698 | 2.5785 | 24.662 |
| #2     | 2.5288 | 25.092 | 1.0067 | 2.5382 | 1.2964 | 5.0563 | 2.5827 | 25.139 |
| #3     | 2.5310 | 25.082 | 1.0066 | 2.5345 | 1.2908 | 5.0729 | 2.5940 | 25.262 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5264 | 1.2534 | 25.914 | 2.5344 | 2.5146 | 25.791 | 5.1515 | 5.0591 |
| Stddev | .0025  | .0044  | .162   | .0059  | .0031  | .196   | .0102  | .0729  |
| %RSD   | .09995 | .35376 | .62663 | .23230 | .12203 | .76095 | .19823 | 1.4415 |
| #1     | 2.5267 | 1.2559 | 25.771 | 2.5339 | 2.5113 | 25.594 | 5.1587 | 4.9958 |
| #2     | 2.5287 | 1.2483 | 25.881 | 2.5287 | 2.5174 | 25.793 | 5.1560 | 5.0426 |
| #3     | 2.5237 | 1.2560 | 26.090 | 2.5405 | 2.5150 | 25.986 | 5.1398 | 5.1388 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0943 | 4.8353 | 5.0437 | 5.0417 | 5.0740 | 5.293  | 5.3205 | 5.1319 |
| Stddev | .0136  | .0439  | .0092  | .0226  | .0268  | .007   | .0277  | .1504  |
| %RSD   | .26646 | .90812 | .18182 | .44819 | .52845 | .1276  | .52132 | 2.9307 |
| #1     | 5.1040 | 4.8860 | 5.0332 | 5.0593 | 5.0947 | 5.298  | 5.3458 | 4.9619 |
| #2     | 5.1001 | 4.8101 | 5.0473 | 5.0162 | 5.0437 | 5.295  | 5.2908 | 5.1866 |
| #3     | 5.0787 | 4.8097 | 5.0505 | 5.0496 | 5.0836 | 5.285  | 5.3248 | 5.2474 |

Sample Name: CCV03      Acquired: 7/1/2019 14:06:51      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.2389 |
| Stddev | .3407    |
| %RSD   | 15.216   |

|    |        |
|----|--------|
| #1 | 1.8476 |
| #2 | 2.4694 |
| #3 | 2.3997 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2334.1 | 26230. | 1710.4 | 24.580 | 2372.6 |
| Stddev    | 6.3    | 119.   | 16.6   | .867   | 2.8    |
| %RSD      | .26889 | .45521 | .97055 | 3.5284 | .11635 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2330.5 | 26309. | 1692.5 | 25.477 | 2371.8 |
| #2 | 2330.4 | 26288. | 1725.4 | 24.518 | 2370.4 |
| #3 | 2341.3 | 26093. | 1713.2 | 23.745 | 2375.7 |

Sample Name: CCB03      Acquired: 7/1/2019 14:10:49      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00008  | .00128  | -.00079 | -.00109 | -.00044 | -.01453 | .00171  | -.00003  |
| Stddev | .00314  | .00023  | .00074  | .00324  | .00073  | .01895  | .00085  | .00006   |
| %RSD   | 3880.0  | 18.097  | 93.442  | 297.23  | 165.55  | 130.37  | 49.859  | 199.73   |
| #1     | -.00002 | .00104  | -.00084 | .00256  | .00034  | .00496  | .00194  | -.00009  |
| #2     | .00328  | .00130  | -.00003 | -.00363 | -.00110 | -.03288 | .00077  | -.00001  |
| #3     | -.00301 | .00150  | -.00151 | -.00219 | -.00055 | -.01569 | .00242  | .00001   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00000  | -.01254 | -.00006 | .00015  | -.00031 | -.00162 | .00002  | -.06455  |
| Stddev | .00002  | .01613  | .00008  | .00011  | .00026  | .00042  | .00002  | .04113   |
| %RSD   | 10695.  | 128.62  | 134.74  | 73.687  | 85.138  | 25.968  | 153.33  | 63.721   |
| #1     | .00002  | -.03109 | -.00009 | .00004  | -.00055 | -.00210 | .00002  | -.05129  |
| #2     | -.00000 | -.00473 | .00003  | .00027  | -.00033 | -.00130 | .00004  | -.03168  |
| #3     | -.00001 | -.00181 | -.00012 | .00015  | -.00004 | -.00146 | -.00001 | -.11067  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00059  | .00017  | .22567  | -.00004 | -.00022 | .05565  | .00066  | -.00783  |
| Stddev | .00028  | .00056  | .00075  | .00008  | .00011  | .02689  | .00014  | .01025   |
| %RSD   | 47.774  | 324.72  | .33266  | 194.62  | 51.045  | 48.320  | 21.327  | 131.01   |
| #1     | .00092  | -.00033 | .22654  | .00004  | -.00020 | .07154  | .00050  | -.01368  |
| #2     | .00039  | .00007  | .22518  | -.00013 | -.00034 | .07082  | .00074  | -.01381  |
| #3     | .00047  | .00078  | .22530  | -.00004 | -.00012 | .02460  | .00074  | .00401   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00205  | -.00069 | -.00037 | -.00406 | -.00211 | -.0004  | -.00020 | F 3.7445 |
| Stddev | .00846  | .00111  | .00033  | .00092  | .00240  | .0014   | .00010  | .0315    |
| %RSD   | 412.42  | 160.17  | 87.346  | 22.585  | 113.94  | 318.8   | 52.892  | .84216   |
| #1     | .00124  | -.00095 | -.00042 | -.00395 | -.00253 | -.0017  | -.00017 | 3.7277   |
| #2     | .01089  | .00052  | -.00067 | -.00320 | .00048  | -.0006  | -.00031 | 3.7249   |
| #3     | -.00597 | -.00166 | -.00003 | -.00502 | -.00427 | .0010   | -.00011 | 3.7809   |



Sample Name: CCB03      Acquired: 7/1/2019 14:10:49      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .54147 |
| Stddev | .13501   |
| %RSD   | 24.935   |

|    |        |
|----|--------|
| #1 | .65686 |
| #2 | .39299 |
| #3 | .57455 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2410.0 | 27021. | 1730.0 | 26.810 | 2656.0 |
| Stddev    | 4.0    | 41.    | 17.5   | .529   | 2.6    |
| %RSD      | .16637 | .15230 | 1.0132 | 1.9724 | .09744 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2405.7 | 26976. | 1717.2 | 27.350 | 2653.3 |
| #2 | 2410.5 | 27057. | 1750.0 | 26.293 | 2656.1 |
| #3 | 2413.7 | 27029. | 1722.7 | 26.786 | 2658.4 |

Sample Name: PB121063BL      Acquired: 7/1/2019 14:15:17      Type: Unk  
Method: P4-ICP2(v3245)      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    | .00206  | -.00107 | -.00141 | -.00475 | .00070   | -.02190 | .00150  | -.00019  |
| Stddev | .00166  | .00126  | .00073  | .00153  | .00081   | .01732  | .00083  | .00002   |
| %RSD   | 80.898  | 117.58  | 51.995  | 32.306  | 115.43   | 79.103  | 55.689  | 12.835   |
| #1     | .00045  | -.00017 | -.00225 | -.00520 | .00003   | -.02522 | .00121  | -.00021  |
| #2     | .00194  | -.00252 | -.00090 | -.00601 | .00159   | -.00316 | .00085  | -.00016  |
| #3     | .00377  | -.00054 | -.00108 | -.00304 | .00047   | -.03732 | .00244  | -.00021  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247   | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm      |
| Avg    | -.00003 | -.00459 | .00071  | .00008  | .00026   | .00263  | .00047  | -.13524  |
| Stddev | .00003  | .01895  | .00023  | .00014  | .00036   | .00045  | .00006  | .09349   |
| %RSD   | 99.144  | 412.81  | 32.889  | 168.28  | 140.09   | 17.280  | 12.753  | 69.131   |
| #1     | -.00001 | .01701  | .00052  | -.00002 | .00067   | .00292  | .00047  | -.19381  |
| #2     | -.00001 | -.01235 | .00064  | .00003  | .00010   | .00211  | .00053  | -.18448  |
| #3     | -.00006 | -.01843 | .00097  | .00024  | -.00000  | .00286  | .00041  | -.02742  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138   | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm      |
| Avg    | .00087  | .00054  | .00483  | -.00054 | F .01085 | -.05749 | -.00005 | -.01431  |
| Stddev | .00032  | .00034  | .00898  | .00066  | .00021   | .07080  | .00028  | .00959   |
| %RSD   | 36.833  | 63.204  | 186.08  | 121.89  | 1.9277   | 123.13  | 575.17  | 67.005   |
| #1     | .00075  | .00043  | -.00442 | .00021  | .01098   | -.09943 | -.00001 | -.02049  |
| #2     | .00062  | .00092  | .01352  | -.00100 | .01060   | -.09729 | -.00034 | -.00326  |
| #3     | .00123  | .00027  | .00539  | -.00083 | .01095   | .02424  | .00021  | -.01918  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707   | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm      |
| Avg    | .00318  | .00132  | -.00055 | -.00245 | -.00721  | .0001   | -.00020 | F 3.6763 |
| Stddev | .00328  | .00277  | .00032  | .00275  | .00130   | .0016   | .00009  | .1729    |
| %RSD   | 103.13  | 209.19  | 58.269  | 112.30  | 18.097   | 1270.   | 44.340  | 4.7020   |
| #1     | .00042  | .00429  | -.00020 | -.00340 | -.00840  | .0015   | -.00022 | 3.6550   |
| #2     | .00681  | .00088  | -.00062 | .00065  | -.00742  | .0006   | -.00010 | 3.8588   |
| #3     | .00232  | -.00120 | -.00084 | -.00461 | -.00581  | -.0017  | -.00028 | 3.5151   |

Sample Name: PB121063BL      Acquired: 7/1/2019 14:15:17      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F .25187  
 Stddev      .08096  
 %RSD      32.145

#1      .16322  
 #2      .27050  
 #3      .32190

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2397.1 | 27162. | 1738.7 | 27.723 | 2640.0 |
| Stddev    | 9.3    | 39.    | 6.8    | 1.593  | 11.9   |
| %RSD      | .38810 | .14368 | .39331 | 5.7464 | .45142 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2389.1 | 27168. | 1731.5 | 29.502 | 2626.8 |
| #2 | 2395.0 | 27197. | 1745.1 | 27.236 | 2643.2 |
| #3 | 2407.3 | 27120. | 1739.6 | 26.430 | 2650.0 |

Sample Name: PB121063BS      Acquired: 7/1/2019 14:19:47      Type: Unk  
Method: P4-ICP2(v3245)      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    | .80187   | 2.1106 | 1.0149 | 2.0525 | .83686 | 2.1307 | .21555   | .20938   |
| Stddev | .00372   | .0059  | .0015  | .0096  | .00145 | .0208  | .00167   | .00057   |
| %RSD   | .46427   | .28012 | .14547 | .46952 | .17372 | .97585 | .77538   | .27201   |
| #1     | .79855   | 2.1054 | 1.0132 | 2.0430 | .83847 | 2.1408 | .21512   | .20942   |
| #2     | .80118   | 2.1095 | 1.0155 | 2.0523 | .83563 | 2.1068 | .21739   | .20992   |
| #3     | .80589   | 2.1170 | 1.0160 | 2.0623 | .83649 | 2.1445 | .21413   | .20879   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576   | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .19896   | 1.1306 | .43484 | .20945 | .34227 | 3.2815 | .22465   | 2.0163   |
| Stddev | .00066   | .0341  | .00090 | .00028 | .00098 | .0083  | .00041   | .1038    |
| %RSD   | .33152   | 3.0199 | .20720 | .13381 | .28758 | .25194 | .18381   | 5.1478   |
| #1     | .19841   | 1.0956 | .43386 | .20913 | .34164 | 3.2870 | .22425   | 2.1338   |
| #2     | .19879   | 1.1323 | .43501 | .20961 | .34175 | 3.2854 | .22461   | 1.9371   |
| #3     | .19969   | 1.1638 | .43564 | .20962 | .34340 | 3.2720 | .22508   | 1.9780   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020   | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .52498   | .07550 | 2.9600 | .32393 | .21439 | 10.273 | .43436   | .27860   |
| Stddev | .00147   | .00135 | .0205  | .00035 | .00040 | .062   | .00091   | .01861   |
| %RSD   | .27962   | 1.7845 | .69347 | .10779 | .18428 | .60689 | .21034   | 6.6806   |
| #1     | .52339   | .07687 | 2.9502 | .32431 | .21393 | 10.204 | .43359   | .29095   |
| #2     | .52629   | .07545 | 2.9836 | .32362 | .21463 | 10.325 | .43411   | .25719   |
| #3     | .52525   | .07418 | 2.9462 | .32385 | .21461 | 10.289 | .43537   | .28765   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077   | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | F .99823 | .90210 | .70713 | .21256 | .20938 | 5.965  | F .26289 | F 4.3032 |
| Stddev | .07457   | .00657 | .00146 | .00100 | .00390 | .009   | .00093   | .1180    |
| %RSD   | 7.4697   | .72866 | .20621 | .47030 | 1.8650 | .1546  | .35561   | 2.7421   |
| #1     | 1.0726   | .90776 | .70635 | .21243 | .20557 | 5.955  | .26244   | 4.4351   |
| #2     | .99869   | .89489 | .70623 | .21362 | .20919 | 5.966  | .26397   | 4.2076   |
| #3     | .92344   | .90365 | .70881 | .21164 | .21337 | 5.973  | .26228   | 4.2669   |

Sample Name: PB121063BS      Acquired: 7/1/2019 14:19:47      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .24905 |
| Stddev | .17203   |
| %RSD   | 69.074   |

|    |        |
|----|--------|
| #1 | .14904 |
| #2 | .44768 |
| #3 | .15041 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2451.7 | 27525. | 1735.6 | 27.464 | 2664.6 |
| Stddev    | 7.6    | 106.   | 12.0   | 1.082  | 13.8   |
| %RSD      | .31158 | .38358 | .69215 | 3.9413 | .51751 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2442.9 | 27407. | 1722.8 | 27.995 | 2650.2 |
| #2 | 2455.0 | 27611. | 1746.6 | 28.177 | 2666.1 |
| #3 | 2457.1 | 27556. | 1737.3 | 26.218 | 2677.7 |

Sample Name: PB121063TB      Acquired: 7/1/2019 14:23:55      Type: Unk  
Method: P4-ICP2(v3245)      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 | -.00029 | .00134   | -.00221 | -.00075 | .00304 | .00098  | -.00016 |
| Stddev | .00199  | .00114  | .00029   | .00360  | .00124  | .00283 | .00055  | .00005  |
| %RSD   | 131.81  | 398.55  | 21.330   | 163.38  | 165.44  | 93.135 | 55.820  | 31.330  |
| #1     | -.00360 | -.00123 | .00103   | -.00243 | .00059  | .00587 | .00035  | -.00022 |
| #2     | -.00128 | -.00062 | .00138   | .00150  | -.00186 | .00303 | .00136  | -.00015 |
| #3     | .00036  | .00098  | .00160   | -.00569 | -.00098 | .00021 | .00121  | -.00012 |
| Elem   | Cd2265  | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00015 | -.00910 | .00058   | -.00020 | .00028  | .00244 | .00015  | -.05681 |
| Stddev | .00006  | .01760  | .00066   | .00010  | .00014  | .00047 | .00004  | .02422  |
| %RSD   | 40.149  | 193.48  | 114.26   | 46.648  | 49.423  | 19.148 | 27.684  | 42.623  |
| #1     | -.00008 | -.02449 | -.00018  | -.00016 | .00025  | .00202 | .00012  | -.07180 |
| #2     | -.00019 | .01009  | .00094   | -.00031 | .00016  | .00294 | .00012  | -.02888 |
| #3     | -.00016 | -.01289 | .00098   | -.00014 | .00043  | .00234 | .00019  | -.06976 |
| Elem   | Ni2316  | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00189  | .00210  | F 398.13 | .00048  | .01075  | .03988 | .00007  | .00733  |
| Stddev | .00014  | .00021  | 2.12     | .00028  | .00003  | .05452 | .00032  | .01919  |
| %RSD   | 7.3035  | 10.085  | .53194   | 57.583  | .30493  | 136.70 | 477.48  | 261.84  |
| #1     | .00191  | .00201  | 395.92   | .00070  | .01072  | .01342 | .00017  | -.01228 |
| #2     | .00201  | .00195  | 400.14   | .00057  | .01074  | .10259 | .00032  | .02608  |
| #3     | .00174  | .00234  | 398.33   | .00017  | .01078  | .00365 | -.00029 | .00820  |
| Elem   | S_1820  | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00935  | .00576  | .00059   | -.00514 | -.00551 | .0001  | -.00013 | 5.2275  |
| Stddev | .00215  | .00223  | .00024   | .00149  | .00259  | .0019  | .00023  | .1287   |
| %RSD   | 22.977  | 38.769  | 40.506   | 28.959  | 46.957  | 2380.  | 180.72  | 2.4623  |
| #1     | .00733  | .00721  | .00032   | -.00404 | -.00842 | .0009  | -.00007 | 5.3746  |
| #2     | .00911  | .00319  | .00079   | -.00454 | -.00464 | .0014  | .00007  | 5.1353  |
| #3     | .01161  | .00689  | .00066   | -.00683 | -.00347 | -.0021 | -.00038 | 5.1728  |

Sample Name: PB121063TB      Acquired: 7/1/2019 14:23:55      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .25795 |
| Stddev | .15907 |
| %RSD   | 61.666 |

|    |        |
|----|--------|
| #1 | .43602 |
| #2 | .12991 |
| #3 | .20793 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2281.9 | 25387. | 1712.9 | 27.479 | 2306.4 |
| Stddev    | 1.5    | 46.    | 9.4    | .651   | 2.6    |
| %RSD      | .06687 | .18000 | .54909 | 2.3690 | .11413 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2280.7 | 25393. | 1703.5 | 26.896 | 2304.7 |
| #2 | 2283.6 | 25339. | 1722.3 | 27.360 | 2309.4 |
| #3 | 2281.5 | 25429. | 1712.8 | 28.181 | 2305.0 |

Sample Name: PB121064BL      Acquired: 7/1/2019 14:28:24      Type: Unk  
Method: P4-ICP2(v3245)      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    | -.00354 | -.00075 | -.00214 | -.00353 | -.00045 | -.00053 | .00209 |
| Stddev | .00409  | .00085  | .00046  | .00495  | .00073  | .01251  | .00043 |
| %RSD   | 115.57  | 113.88  | 21.567  | 140.41  | 164.37  | 2380.4  | 20.441 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00773 | -.00134 | -.00167 | -.00904 | .00040  | .00773  | .00245 |
| #2 | -.00332 | .00023  | -.00215 | -.00211 | -.00082 | -.01491 | .00220 |
| #3 | .00044  | -.00113 | -.00259 | .00056  | -.00092 | .00561  | .00162 |

|        |         |        |        |        |         |         |         |
|--------|---------|--------|--------|--------|---------|---------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00019 | .00001 | .00295 | .00054 | -.00006 | -.00021 | -.00053 |
| Stddev | .00007  | .00005 | .01026 | .00007 | .00035  | .00016  | .00063  |
| %RSD   | 36.437  | 452.41 | 347.73 | 12.741 | 539.19  | 76.151  | 118.90  |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00012 | -.00003 | -.00395 | .00059 | -.00043 | -.00037 | -.00053 |
| #2 | -.00021 | -.00001 | .01474  | .00046 | -.00001 | -.00005 | -.00117 |
| #3 | -.00025 | .00007  | -.00194 | .00057 | .00025  | -.00021 | .00010  |

|        |        |         |        |        |         |         |        |
|--------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00007 | -.03021 | .00110 | .00067 | -.01515 | -.00071 | .00410 |
| Stddev | .00001 | .08447  | .00046 | .00024 | .00876  | .00022  | .00016 |
| %RSD   | 11.142 | 279.61  | 41.848 | 35.205 | 57.810  | 31.226  | 3.9578 |

|    |        |         |        |        |         |         |        |
|----|--------|---------|--------|--------|---------|---------|--------|
| #1 | .00008 | .06366  | .00057 | .00041 | -.00887 | -.00096 | .00427 |
| #2 | .00007 | -.05422 | .00133 | .00075 | -.01142 | -.00052 | .00408 |
| #3 | .00007 | -.10008 | .00141 | .00086 | -.02515 | -.00066 | .00395 |

|        |         |        |         |         |        |         |         |
|--------|---------|--------|---------|---------|--------|---------|---------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.06131 | .00016 | -.02762 | -.00421 | .00031 | -.00134 | -.00113 |
| Stddev | .01403  | .00027 | .00600  | .00135  | .00210 | .00051  | .00285  |
| %RSD   | 22.891  | 173.47 | 21.711  | 31.966  | 670.50 | 38.001  | 252.21  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.07678 | .00047  | -.03445 | -.00321 | -.00043 | -.00096 | .00008  |
| #2 | -.05776 | -.00004 | -.02321 | -.00368 | -.00131 | -.00192 | .00091  |
| #3 | -.04939 | .00004  | -.02519 | -.00574 | .00268  | -.00114 | -.00438 |



Sample Name: PB121064BL      Acquired: 7/1/2019 14:28:24      Type: Unk  
Method: P4-ICP2(v3245)      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       | <span style="color: red;">F</span> -.01038 | .0005  | -.00013 | <span style="color: red;">F</span> 3.7450 | <span style="color: red;">F</span> .14370 |
| Stddev    | .00216                                     | .0017  | .00016  | .1741                                     | .50641                                    |
| %RSD      | 20.775                                     | 304.3  | 120.55  | 4.6500                                    | 352.41                                    |
| #1        | -.00835                                    | -.0010 | -.00030 | 3.9460                                    | -.40241                                   |
| #2        | -.01264                                    | .0023  | .00000  | 3.6392                                    | .59781                                    |
| #3        | -.01015                                    | .0004  | -.00009 | 3.6497                                    | .23570                                    |
| Int. Std. | Y_2243                                     | Y_3600 | Y_3710  | In2306                                    | In2306                                    |
| Units     | Cts/S                                      | Cts/S  | Cts/S   | Cts/S                                     | Cts/S                                     |
| Avg       | 2409.1                                     | 27512. | 1747.0  | 27.700                                    | 2665.2                                    |
| Stddev    | 3.2                                        | 85.    | 5.2     | .611                                      | 3.5                                       |
| %RSD      | .13273                                     | .30993 | .29800  | 2.2054                                    | .13213                                    |
| #1        | 2406.6                                     | 27471. | 1743.6  | 27.250                                    | 2663.5                                    |
| #2        | 2408.0                                     | 27610. | 1744.3  | 27.455                                    | 2662.9                                    |
| #3        | 2412.7                                     | 27454. | 1753.0  | 28.395                                    | 2669.3                                    |

Sample Name: PB121064BS      Acquired: 7/1/2019 14:32:51      Type: Unk  
Method: P4-ICP2(v3245)      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    | .76890 | 2.0140 | .97235 | 1.9573 | .80533 | 2.0280 | .20912 |
| Stddev | .00144 | .0055  | .00284 | .0054  | .00183 | .0276  | .00004 |
| %RSD   | .18746 | .27046 | .29204 | .27787 | .22679 | 1.3593 | .02105 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76769 | 2.0200 | .97496 | 1.9531 | .80661 | 2.0529 | .20917 |
| #2 | .76850 | 2.0126 | .97275 | 1.9634 | .80324 | 1.9984 | .20912 |
| #3 | .77049 | 2.0094 | .96933 | 1.9555 | .80614 | 2.0328 | .20908 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19975 | .19045 | 1.0461 | .42067 | .20093 | .32583 | 3.1649 |
| Stddev | .00056 | .00033 | .0367  | .00202 | .00062 | .00074 | .0073  |
| %RSD   | .28115 | .17510 | 3.5033 | .48108 | .31086 | .22755 | .23099 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20012 | .19012 | 1.0733 | .41949 | .20054 | .32621 | 3.1731 |
| #2 | .20002 | .19079 | 1.0606 | .42301 | .20165 | .32498 | 3.1591 |
| #3 | .19910 | .19045 | 1.0044 | .41952 | .20061 | .32632 | 3.1624 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21643 | 2.0716 | .50087 | .07338 | 2.9153 | .31404 | .19920 |
| Stddev | .00054 | .0785  | .00082 | .00065 | .0134  | .00015 | .00050 |
| %RSD   | .24892 | 3.7914 | .16284 | .89062 | .46114 | .04629 | .24999 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21679 | 1.9811 | .50166 | .07392 | 2.9010 | .31387 | .19885 |
| #2 | .21669 | 2.1214 | .50093 | .07356 | 2.9277 | .31415 | .19977 |
| #3 | .21581 | 2.1123 | .50003 | .07265 | 2.9171 | .31408 | .19897 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.8848 | .42338 | .30226 | F .13669 | .88199 | .67877 | .20506 |
| Stddev | .0645  | .00167 | .01973 | .00431   | .00553 | .00286 | .00133 |
| %RSD   | .65208 | .39328 | 6.5280 | 3.1541   | .62747 | .42171 | .64615 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.8269 | .42470 | .28133 | .13202 | .87569 | .67915 | .20367 |
| #2 | 9.9542 | .42151 | .30493 | .13751 | .88422 | .68142 | .20520 |
| #3 | 9.8734 | .42393 | .32052 | .14053 | .88607 | .67574 | .20631 |

Sample Name: PB121064BS      Acquired: 7/1/2019 14:32:51      Type: Unk  
Method: P4-ICP2(v3245)      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       | .20714 | 5.719  | F .25685 | F 4.1748 | F<.00000 |
| Stddev    | .00321 | .011   | .00049   | .3099    | .41793   |
| %RSD      | 1.5501 | .1838  | .19226   | 7.4227   | 315.95   |
| #1        | .20818 | 5.714  | .25629   | 4.5068   | -.35254  |
| #2        | .20354 | 5.732  | .25704   | 4.1243   | -.39400  |
| #3        | .20970 | 5.713  | .25721   | 3.8933   | .34971   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710   | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2414.9 | 27439. | 1717.7   | 26.750   | 2635.7   |
| Stddev    | 10.1   | 7.     | 1.5      | .758     | 13.9     |
| %RSD      | .41623 | .02498 | .08979   | 2.8354   | .52682   |
| #1        | 2403.8 | 27443. | 1717.5   | 27.468   | 2626.8   |
| #2        | 2417.7 | 27443. | 1719.3   | 26.825   | 2628.6   |
| #3        | 2423.3 | 27431. | 1716.3   | 25.957   | 2651.7   |

Sample Name: PB121064TB      Acquired: 7/1/2019 14:36:57      Type: Unk  
Method: P4-ICP2(v3245)      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    | -.00500 | -.00072 | .00149   | .00174  | .00089  | -.00461 | .00144  | -.00012 |
| Stddev | .00215  | .00109  | .00111   | .00251  | .00229  | .00366  | .00065  | .00006  |
| %RSD   | 42.979  | 152.07  | 74.477   | 144.46  | 258.94  | 79.368  | 44.841  | 51.034  |
| #1     | -.00748 | -.00155 | .00030   | .00462  | .00066  | -.00882 | .00131  | -.00016 |
| #2     | -.00393 | .00052  | .00249   | .00056  | .00328  | -.00280 | .00214  | -.00016 |
| #3     | -.00361 | -.00113 | .00168   | .00003  | -.00129 | -.00221 | .00087  | -.00005 |
| Elem   | Cd2265  | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00013 | .00991  | .00079   | -.00032 | -.00025 | .00133  | .00035  | -.03042 |
| Stddev | .00005  | .01565  | .00017   | .00015  | .00077  | .00101  | .00003  | .02294  |
| %RSD   | 38.835  | 157.97  | 21.254   | 47.366  | 314.62  | 76.000  | 9.9622  | 75.405  |
| #1     | -.00007 | .00672  | .00060   | -.00036 | .00058  | .00079  | .00035  | -.00993 |
| #2     | -.00014 | .02690  | .00093   | -.00015 | -.00094 | .00250  | .00038  | -.05520 |
| #3     | -.00017 | -.00390 | .00084   | -.00045 | -.00038 | .00070  | .00031  | -.02613 |
| Elem   | Ni2316  | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00221  | .00297  | F 438.46 | -.00022 | .01305  | .02175  | -.00012 | .00782  |
| Stddev | .00036  | .00075  | 4.96     | .00066  | .00011  | .05335  | .00026  | .02058  |
| %RSD   | 16.441  | 25.184  | 1.1305   | 299.89  | .83628  | 245.24  | 218.59  | 263.20  |
| #1     | .00194  | .00383  | 434.37   | -.00022 | .01317  | .02226  | -.00041 | -.00353 |
| #2     | .00263  | .00262  | 437.03   | -.00088 | .01303  | -.03185 | -.00001 | -.00458 |
| #3     | .00207  | .00246  | 443.97   | .00044  | .01296  | .07485  | .00007  | .03158  |
| Elem   | S_1820  | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00977  | .00225  | .00046   | -.00256 | -.00596 | .0003   | -.00000 | 5.6437  |
| Stddev | .00722  | .00119  | .00017   | .00331  | .00339  | .0027   | .00007  | .0936   |
| %RSD   | 73.903  | 52.812  | 37.049   | 129.34  | 56.908  | 836.0   | 2487.9  | 1.6583  |
| #1     | .01810  | .00154  | .00056   | .00119  | -.00434 | -.0020  | .00007  | 5.5773  |
| #2     | .00599  | .00363  | .00026   | -.00380 | -.00368 | -.0003  | -.00002 | 5.6032  |
| #3     | .00523  | .00159  | .00055   | -.00507 | -.00986 | .0032   | -.00006 | 5.7508  |

Sample Name: PB121064TB      Acquired: 7/1/2019 14:36:57      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .52443 |
| Stddev | .42246 |
| %RSD   | 80.556 |

|    |        |
|----|--------|
| #1 | .99519 |
| #2 | .17833 |
| #3 | .39977 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2282.4 | 25650. | 1745.8 | 27.080 | 2307.5 |
| Stddev    | 9.4    | 94.    | 15.7   | .821   | 6.9    |
| %RSD      | .41116 | .36518 | .89991 | 3.0304 | .29871 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2271.6 | 25601. | 1740.8 | 27.845 | 2302.0 |
| #2 | 2288.8 | 25759. | 1733.2 | 26.214 | 2305.2 |
| #3 | 2286.7 | 25592. | 1763.4 | 27.182 | 2315.2 |

Sample Name: K3555-25      Acquired: 7/1/2019 14:43:29      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: GWMH-13      Custom ID2:      Custom ID3:  
Comment:

|        |          |           |          |           |          |          |        |
|--------|----------|-----------|----------|-----------|----------|----------|--------|
| Elem   | As1890   | Tl1908    | Pb2203   | Se1960    | Sb2068   | Al3961   | Ba4934 |
| Units  | ppm      | ppm       | ppm      | ppm       | ppm      | ppm      | ppm    |
| Avg    | k .00661 | k -.12538 | k 4.0270 | k -.25087 | k .03131 | k 692.66 | 8.2494 |
| Stddev | .00235   | .02115    | .0230    | .05837    | .00277   | 6.84     | .0529  |
| %RSD   | 35.501   | 16.872    | .57012   | 23.269    | 8.8611   | .98809   | .64103 |

|    |          |           |          |           |          |          |        |
|----|----------|-----------|----------|-----------|----------|----------|--------|
| #1 | .00932   | -.10129   | 4.0177   | -.18348   | .02833   | 684.83   | 8.1908 |
| #2 | k .00528 | k -.14092 | k 4.0101 | k -.28600 | k .03176 | k 695.66 | 8.2936 |
| #3 | k .00523 | k -.13392 | k 4.0531 | k -.28312 | k .03382 | k 697.50 | 8.2640 |

|        |        |          |          |          |          |          |         |
|--------|--------|----------|----------|----------|----------|----------|---------|
| Elem   | Be2348 | Cd2265   | Ca3736   | Cr2677   | Co2286   | Cu2247   | Fe2404  |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     |
| Avg    | .05982 | k .44619 | k 142.81 | k .61948 | k 2.6580 | k 1.2325 | ^ ***** |
| Stddev | .00022 | .01874   | .39      | .01541   | .0146    | .0208    | -----   |
| %RSD   | .36417 | 4.2007   | .26979   | 2.4872   | .54888   | 1.6878   | -----   |

|    |        |          |          |          |          |          |         |
|----|--------|----------|----------|----------|----------|----------|---------|
| #1 | .05986 | .42475   | 143.01   | .60170   | 2.6467   | 1.2085   | 244.27  |
| #2 | .06002 | k .45441 | k 143.06 | k .62872 | k 2.6528 | k 1.2438 | ^ ----- |
| #3 | .05959 | k .45943 | k 142.37 | k .62803 | k 2.6745 | k 1.2452 | ^ ----- |

|        |        |        |          |           |        |          |          |
|--------|--------|--------|----------|-----------|--------|----------|----------|
| Elem   | Mn2576 | Mg2790 | Ni2316   | Ag3280    | Na5895 | V_2924   | Zn2138   |
| Units  | ppm    | ppm    | ppm      | ppm       | ppm    | ppm      | ppm      |
| Avg    | 18.844 | 277.83 | k 5.7236 | k -.09213 | 100.51 | k .67572 | k 19.344 |
| Stddev | .008   | .43    | .0245    | .02351    | .16    | .00199   | .102     |
| %RSD   | .04250 | .15547 | .42817   | 25.522    | .16372 | .29479   | .52650   |

|    |        |        |          |           |        |          |          |
|----|--------|--------|----------|-----------|--------|----------|----------|
| #1 | 18.852 | 277.55 | 5.7155   | -.06498   | 100.41 | .67360   | 19.262   |
| #2 | 18.845 | 278.33 | k 5.7043 | k -.10572 | 100.70 | k .67755 | k 19.313 |
| #3 | 18.836 | 277.61 | k 5.7512 | k -.10568 | 100.42 | k .67601 | k 19.458 |

|        |        |         |           |           |           |          |          |
|--------|--------|---------|-----------|-----------|-----------|----------|----------|
| Elem   | K_7664 | Mo2020  | B_2496    | S_1820    | Si2881    | Sn1899   | Ti3361   |
| Units  | ppm    | ppm     | ppm       | ppm       | ppm       | ppm      | ppm      |
| Avg    | 99.571 | -.00129 | k -.92897 | kF 35.174 | kF 13.948 | k .35812 | k 5.2157 |
| Stddev | .340   | .00044  | .22053    | .109      | .033      | .00827   | .0221    |
| %RSD   | .34167 | 33.912  | 23.739    | .30950    | .23348    | 2.3090   | .42356   |

|    |        |         |           |          |          |          |          |
|----|--------|---------|-----------|----------|----------|----------|----------|
| #1 | 99.683 | -.00165 | -.67441   | 35.244   | 13.940   | .34900   | 5.2379   |
| #2 | 99.841 | -.00143 | k -1.0507 | k 35.049 | k 13.921 | k .36024 | k 5.2155 |
| #3 | 99.189 | -.00080 | k -1.0618 | k 35.230 | k 13.984 | k .36512 | k 5.1937 |

Sample Name: K3555-25      Acquired: 7/1/2019 14:43:29      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: GWMH-13      Custom ID2:      Custom ID3:  
 Comment:

|           |        |          |          |         |         |
|-----------|--------|----------|----------|---------|---------|
| Elem      | Li6707 | P_1774   | Sr4077   | U_3670  | U_3859  |
| Units     | ppm    | ppm      | ppm      | ppm     | ppm     |
| Avg       | 1.4760 | kF 168.5 | k .98063 | <.00000 | ^ ***** |
| Stddev    | .0088  | .8       | .15047   | .11466  | -----   |
| %RSD      | .59525 | .4736    | 15.344   | .10924  | -----   |
| #1        | 1.4826 | 168.6    | .80691   | -104.98 | ^ ----- |
| #2        | 1.4792 | k 167.7  | k 1.0695 | -104.84 | ^ ----- |
| #3        | 1.4660 | k 169.3  | k 1.0655 | -105.07 | ^ ----- |
| Int. Std. | Y_2243 | Y_3600   | Y_3710   | In2306  | In2306  |
| Units     | Cts/S  | Cts/S    | Cts/S    | Cts/S   | Cts/S   |
| Avg       | 8617.5 | 100100.  | 7669.7   | 21.717  | 1191.6  |
| Stddev    | 15.1   | 356.     | 51.0     | .533    | 6.3     |
| %RSD      | .17576 | .35524   | .66516   | 2.4528  | .53260  |
| #1        | 8618.8 | 99690.   | 7611.7   | 21.415  | 1192.8  |
| #2        | 8632.0 | 100270.  | 7689.9   | 22.332  | 1197.3  |
| #3        | 8601.8 | 100340.  | 7707.6   | 21.404  | 1184.8  |

Sample Name: K3585-12      Acquired: 7/1/2019 14:48:08      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RM-WATER-COM      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |        |         |        |        |         |
|--------|----------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00335   | .00111  | .00379  | .00412 | .00114  | 1.5992 | .01834 | -.00008 |
| Stddev | .00109   | .00059  | .00090  | .00133 | .00159  | .0156  | .00036 | .00020  |
| %RSD   | 32.424   | 53.023  | 23.776  | 32.166 | 139.84  | .97718 | 1.9821 | 245.88  |
| #1     | .00408   | .00079  | .00275  | .00414 | .00274  | 1.5943 | .01868 | -.00004 |
| #2     | .00387   | .00075  | .00425  | .00543 | -.00043 | 1.6167 | .01795 | .00010  |
| #3     | .00210   | .00179  | .00437  | .00278 | .00110  | 1.5867 | .01840 | -.00029 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00030  | 100.57  | .03833  | .00080 | .00812  | .79494 | .00363 | 1.0021  |
| Stddev | .00005   | .50     | .00058  | .00015 | .00028  | .01282 | .00004 | .0907   |
| %RSD   | 15.110   | .49651  | 1.5159  | 19.145 | 3.4125  | 1.6125 | 1.1200 | 9.0492  |
| #1     | -.00030  | 100.09  | .03893  | .00084 | .00843  | .79242 | .00365 | .91814  |
| #2     | -.00026  | 101.08  | .03830  | .00093 | .00790  | .80883 | .00366 | .98994  |
| #3     | -.00035  | 100.55  | .03777  | .00063 | .00804  | .78356 | .00358 | 1.0983  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00407   | .00023  | 41.329  | .06334 | .03571  | 20.268 | .02116 | 1.8384  |
| Stddev | .00025   | .00072  | .148    | .00055 | .00005  | .115   | .00015 | .0348   |
| %RSD   | 6.0360   | 308.37  | .35883  | .86102 | .12737  | .56514 | .72113 | 1.8922  |
| #1     | .00434   | -.00052 | 41.251  | .06381 | .03572  | 20.225 | .02098 | 1.7990  |
| #2     | .00387   | .00091  | 41.500  | .06346 | .03576  | 20.398 | .02124 | 1.8512  |
| #3     | .00400   | .00030  | 41.236  | .06274 | .03567  | 20.181 | .02125 | 1.8649  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | F 73.202 | 4.1401  | -.02326 | .00510 | -.00347 | .4050  | 1.2505 | 4.8961  |
| Stddev | .339     | .0198   | .00092  | .00306 | .00513  | .0016  | .0021  | .2339   |
| %RSD   | .46293   | .47694  | 3.9395  | 60.027 | 147.57  | .3841  | .17090 | 4.7767  |
| #1     | 72.997   | 4.1588  | -.02397 | .00818 | .00241  | .4058  | 1.2497 | 5.0505  |
| #2     | 73.017   | 4.1195  | -.02222 | .00506 | -.00699 | .4032  | 1.2529 | 5.0109  |
| #3     | 73.593   | 4.1420  | -.02358 | .00206 | -.00584 | .4060  | 1.2488 | 4.6271  |



Sample Name: K3585-12      Acquired: 7/1/2019 14:48:08      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RM-WATER-COM Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.3124 |
| Stddev | .1972  |
| %RSD   | 15.030 |

|    |        |
|----|--------|
| #1 | 1.5312 |
| #2 | 1.1484 |
| #3 | 1.2574 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2363.3 | 26787. | 1759.3 | 28.297 | 2480.9 |
| Stddev    | 6.8    | 36.    | 2.3    | .926   | 5.4    |
| %RSD      | .28924 | .13396 | .12960 | 3.2712 | .21927 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2361.8 | 26747. | 1759.7 | 29.360 | 2481.6 |
| #2 | 2370.7 | 26796. | 1761.3 | 27.858 | 2486.0 |
| #3 | 2357.3 | 26817. | 1756.8 | 27.672 | 2475.2 |

Sample Name: K3585-12DUP      Acquired: 7/1/2019 14:52:31      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RM-WATER-COM      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |        |         |        |        |         |
|--------|----------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00568   | -.00039 | .00359  | .00459 | -.00076 | 1.5951 | .01759 | -.00011 |
| Stddev | .00395   | .00136  | .00017  | .00180 | .00085  | .0188  | .00081 | .00001  |
| %RSD   | 69.551   | 348.35  | 4.7784  | 39.184 | 112.76  | 1.1764 | 4.6048 | 10.276  |
| #1     | .00887   | .00083  | .00368  | .00543 | -.00079 | 1.5784 | .01722 | -.00012 |
| #2     | .00126   | -.00185 | .00340  | .00253 | .00011  | 1.6154 | .01703 | -.00012 |
| #3     | .00692   | -.00015 | .00370  | .00582 | -.00159 | 1.5915 | .01852 | -.00010 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00024  | 100.52  | .03826  | .00052 | .00844  | .77764 | .00309 | 1.0503  |
| Stddev | .00011   | .53     | .00020  | .00030 | .00054  | .00585 | .00007 | .1251   |
| %RSD   | 45.754   | .52368  | .51100  | 56.531 | 6.3952  | .75260 | 2.2029 | 11.912  |
| #1     | -.00026  | 100.66  | .03841  | .00044 | .00786  | .77786 | .00314 | 1.1387  |
| #2     | -.00012  | 99.938  | .03833  | .00085 | .00852  | .78338 | .00301 | .90713  |
| #3     | -.00034  | 100.96  | .03804  | .00027 | .00893  | .77168 | .00312 | 1.1050  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00396   | .00038  | 41.206  | .06314 | .03576  | 20.236 | .02124 | 1.8416  |
| Stddev | .00027   | .00080  | .238    | .00025 | .00004  | .183   | .00024 | .0632   |
| %RSD   | 6.7621   | 207.84  | .57797  | .39402 | .11528  | .90207 | 1.1117 | 3.4320  |
| #1     | .00371   | -.00045 | 41.028  | .06338 | .03575  | 20.052 | .02146 | 1.7858  |
| #2     | .00392   | .00115  | 41.476  | .06288 | .03573  | 20.417 | .02125 | 1.9102  |
| #3     | .00424   | .00045  | 41.112  | .06316 | .03581  | 20.239 | .02099 | 1.8287  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | F 73.808 | 4.0539  | -.02336 | .00516 | -.00437 | .4049  | 1.2515 | 5.1156  |
| Stddev | .189     | .0381   | .00046  | .00396 | .00289  | .0025  | .0075  | .2368   |
| %RSD   | .25600   | .93958  | 1.9532  | 76.681 | 66.092  | .6290  | .59594 | 4.6293  |
| #1     | 73.833   | 4.0927  | -.02293 | .00267 | -.00530 | .4057  | 1.2549 | 5.1383  |
| #2     | 73.983   | 4.0165  | -.02384 | .00973 | -.00113 | .4020  | 1.2429 | 4.8683  |
| #3     | 73.607   | 4.0525  | -.02330 | .00309 | -.00668 | .4069  | 1.2566 | 5.3403  |

Sample Name: K3585-12DUP      Acquired: 7/1/2019 14:52:31      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RM-WATER-COM Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.2583 |
| Stddev | .4329  |
| %RSD   | 34.408 |

|    |        |
|----|--------|
| #1 | .98372 |
| #2 | 1.7573 |
| #3 | 1.0337 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2347.4 | 26528. | 1744.7 | 27.450 | 2454.8 |
| Stddev    | 10.1   | 92.    | 17.7   | .454   | 5.5    |
| %RSD      | .42846 | .34561 | 1.0159 | 1.6523 | .22539 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2337.8 | 26484. | 1729.1 | 26.967 | 2448.8 |
| #2 | 2357.9 | 26466. | 1764.0 | 27.516 | 2459.6 |
| #3 | 2346.6 | 26633. | 1740.9 | 27.867 | 2456.1 |

Sample Name: K3585-12LX5      Acquired: 7/1/2019 14:56:53      Type: Unk  
Method: P4-ICP2(v3245)      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    | -.00076  | .00012  | -.00058 | -.00209 | .00022  | .34436 | .00578 | -.00011 |
| Stddev | .00129   | .00011  | .00026  | .00268  | .00126  | .02810 | .00004 | .00009  |
| %RSD   | 170.91   | 92.476  | 45.019  | 128.12  | 581.69  | 8.1595 | .77101 | 79.030  |
| #1     | -.00064  | .00016  | -.00040 | -.00122 | -.00016 | .33277 | .00575 | -.00019 |
| #2     | .00047   | .00022  | -.00046 | .00004  | .00163  | .32391 | .00583 | -.00002 |
| #3     | -.00211  | -.00000 | -.00088 | -.00509 | -.00081 | .37640 | .00576 | -.00011 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00007  | 21.283  | .01600  | .00018  | .00223  | .19545 | .00102 | .18140  |
| Stddev | .00005   | .017    | .00021  | .00004  | .00024  | .00098 | .00005 | .01967  |
| %RSD   | 66.881   | .08070  | 1.3352  | 22.136  | 10.830  | .50018 | 5.0132 | 10.843  |
| #1     | -.00007  | 21.298  | .01594  | .00016  | .00250  | .19638 | .00101 | .20231  |
| #2     | -.00012  | 21.264  | .01623  | .00023  | .00213  | .19443 | .00108 | .16327  |
| #3     | -.00003  | 21.287  | .01581  | .00015  | .00205  | .19556 | .00098 | .17860  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00527   | .00030  | 8.3344  | .01264  | .00879  | 3.9996 | .00510 | .37529  |
| Stddev | .00053   | .00019  | .0598   | .00052  | .00004  | .0584  | .00006 | .01857  |
| %RSD   | 10.081   | 61.772  | .71794  | 4.1213  | .50997  | 1.4594 | 1.1971 | 4.9482  |
| #1     | .00537   | .00010  | 8.2744  | .01257  | .00882  | 3.9369 | .00503 | .37872  |
| #2     | .00469   | .00035  | 8.3941  | .01318  | .00882  | 4.0097 | .00511 | .35524  |
| #3     | .00573   | .00046  | 8.3348  | .01215  | .00874  | 4.0523 | .00515 | .39191  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | F 15.059 | .87163  | -.00537 | .00071  | -.00318 | .0837  | .26326 | 3.9883  |
| Stddev | .009     | .01098  | .00068  | .00130  | .00167  | .0019  | .00054 | .3556   |
| %RSD   | .05945   | 1.2597  | 12.729  | 181.55  | 52.325  | 2.314  | .20380 | 8.9156  |
| #1     | 15.069   | .88430  | -.00566 | .00104  | -.00145 | .0823  | .26358 | 3.5840  |
| #2     | 15.051   | .86510  | -.00585 | -.00071 | -.00477 | .0859  | .26356 | 4.1283  |
| #3     | 15.058   | .86548  | -.00458 | .00182  | -.00332 | .0829  | .26264 | 4.2525  |

Sample Name: K3585-12LX5      Acquired: 7/1/2019 14:56:53      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .61900 |
| Stddev | .39461 |
| %RSD   | 63.749 |

|    |        |
|----|--------|
| #1 | .18469 |
| #2 | .95552 |
| #3 | .71681 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2415.4 | 27213. | 1744.9 | 30.031 | 2624.1 |
| Stddev    | 7.1    | 72.    | 18.2   | 1.446  | 6.7    |
| %RSD      | .29196 | .26387 | 1.0449 | 4.8154 | .25662 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2410.1 | 27132. | 1724.3 | 31.659 | 2616.8 |
| #2 | 2412.8 | 27240. | 1751.8 | 29.539 | 2625.4 |
| #3 | 2423.4 | 27267. | 1758.7 | 28.895 | 2630.0 |

Sample Name: CCV04      Acquired: 7/1/2019 15:01:17      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9235 | 4.9818 | 4.8243 | 4.9947 | 4.9810 | 9.9818 | 9.8815 | .25038 |
| Stddev | .0092  | .0091  | .0243  | .0203  | .0151  | .1773  | .0556  | .00143 |
| %RSD   | .18647 | .18228 | .50369 | .40654 | .30225 | 1.7758 | .56284 | .57021 |
| #1     | 4.9203 | 4.9921 | 4.8457 | 4.9955 | 4.9942 | 9.9168 | 9.8293 | .25152 |
| #2     | 4.9338 | 4.9781 | 4.8294 | 5.0146 | 4.9843 | 9.8462 | 9.8751 | .24878 |
| #3     | 4.9163 | 4.9751 | 4.7979 | 4.9740 | 4.9646 | 10.182 | 9.9400 | .25084 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4351 | 24.216 | .97959 | 2.4399 | 1.2468 | 4.9213 | 2.5025 | 24.379 |
| Stddev | .0087  | .094   | .00198 | .0095  | .0047  | .0160  | .0084  | .074   |
| %RSD   | .35731 | .38949 | .20174 | .38780 | .37407 | .32536 | .33609 | .30513 |
| #1     | 2.4399 | 24.205 | .98097 | 2.4433 | 1.2482 | 4.9378 | 2.5048 | 24.301 |
| #2     | 2.4404 | 24.316 | .97733 | 2.4472 | 1.2506 | 4.9058 | 2.4931 | 24.387 |
| #3     | 2.4251 | 24.128 | .98047 | 2.4292 | 1.2416 | 4.9203 | 2.5095 | 24.449 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4417 | 1.2173 | 24.272 | 2.4511 | 2.4308 | 24.483 | 4.9909 | 4.9126 |
| Stddev | .0064  | .0017  | .106   | .0048  | .0094  | .158   | .0125  | .0673  |
| %RSD   | .26180 | .14236 | .43713 | .19474 | .38841 | .64658 | .25041 | 1.3709 |
| #1     | 2.4438 | 1.2192 | 24.184 | 2.4508 | 2.4351 | 24.322 | 4.9910 | 4.8349 |
| #2     | 2.4468 | 1.2158 | 24.242 | 2.4464 | 2.4374 | 24.486 | 5.0033 | 4.9540 |
| #3     | 2.4346 | 1.2169 | 24.390 | 2.4559 | 2.4200 | 24.639 | 4.9783 | 4.9489 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9152 | 4.7677 | 4.8581 | 4.8303 | 4.8624 | 5.110  | 5.1187 | 4.8387 |
| Stddev | .0144  | .0602  | .0171  | .0180  | .0311  | .022   | .0441  | .1969  |
| %RSD   | .29301 | 1.2634 | .35257 | .37322 | .64004 | .4400  | .86180 | 4.0699 |
| #1     | 4.9277 | 4.8220 | 4.8773 | 4.8421 | 4.8904 | 5.116  | 5.1492 | 4.6219 |
| #2     | 4.9184 | 4.7781 | 4.8526 | 4.8392 | 4.8679 | 5.128  | 5.1388 | 4.8876 |
| #3     | 4.8995 | 4.7029 | 4.8444 | 4.8095 | 4.8289 | 5.084  | 5.0681 | 5.0065 |

Sample Name: CCV04      Acquired: 7/1/2019 15:01:17      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.2856  
Stddev      .6099  
%RSD      26.683

#1      2.4715  
#2      2.7809  
#3      1.6044

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2375.1 | 26564. | 1741.0 | 26.366 | 2417.4 |
| Stddev    | 10.1   | 59.    | 21.9   | 1.476  | 11.2   |
| %RSD      | .42604 | .22267 | 1.2583 | 5.5989 | .46334 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2370.2 | 26502. | 1720.8 | 25.403 | 2408.9 |
| #2 | 2368.4 | 26620. | 1737.9 | 28.065 | 2413.2 |
| #3 | 2386.8 | 26570. | 1764.3 | 25.629 | 2430.1 |

Sample Name: CCB04      Acquired: 7/1/2019 15:05:15      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00178 | .00079  | -.00142 | -.00236 | -.00126 | -.00190 | .00184  | -.00009  |
| Stddev | .00419  | .00106  | .00017  | .00208  | .00227  | .03350  | .00036  | .00004   |
| %RSD   | 236.02  | 134.49  | 12.196  | 88.157  | 180.75  | 1762.0  | 19.343  | 43.084   |
| #1     | -.00069 | .00129  | -.00158 | -.00475 | .00024  | .03328  | .00188  | -.00009  |
| #2     | -.00641 | -.00043 | -.00124 | -.00115 | -.00387 | -.03341 | .00217  | -.00013  |
| #3     | .00176  | .00151  | -.00143 | -.00116 | -.00014 | -.00557 | .00146  | -.00005  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004  | -.02978 | .00017  | -.00001 | -.00013 | -.00208 | -.00007 | -.03087  |
| Stddev | .00010  | .01195  | .00020  | .00023  | .00054  | .00023  | .00002  | .05023   |
| %RSD   | 231.38  | 40.139  | 113.06  | 1638.5  | 405.67  | 10.856  | 29.105  | 162.68   |
| #1     | .00000  | -.01993 | -.00005 | -.00018 | .00001  | -.00232 | -.00006 | -.01068  |
| #2     | -.00003 | -.02633 | .00031  | -.00011 | .00033  | -.00205 | -.00005 | -.08805  |
| #3     | .00016  | -.04307 | .00026  | .00025  | -.00073 | -.00188 | -.00009 | .00611   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00054  | .00058  | -.17411 | .00003  | -.00025 | -.08266 | .00039  | -.02757  |
| Stddev | .00053  | .00013  | .01104  | .00020  | .00002  | .03260  | .00019  | .01223   |
| %RSD   | 99.188  | 22.905  | 6.3420  | 688.88  | 9.1400  | 39.442  | 49.962  | 44.369   |
| #1     | .00072  | .00056  | -.17530 | -.00008 | -.00027 | -.04869 | .00059  | -.02031  |
| #2     | -.00006 | .00046  | -.18451 | .00025  | -.00023 | -.08560 | .00020  | -.02071  |
| #3     | .00096  | .00073  | -.16253 | -.00009 | -.00025 | -.11370 | .00038  | -.04169  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00060 | .00870  | -.00140 | -.00287 | -.00800 | .0020   | -.00012 | F 3.4655 |
| Stddev | .00122  | .00200  | .00037  | .00393  | .00352  | .0013   | .00017  | .3946    |
| %RSD   | 205.49  | 22.972  | 26.299  | 136.83  | 43.946  | 64.06   | 146.56  | 11.387   |
| #1     | -.00010 | .00648  | -.00182 | -.00556 | -.00967 | .0020   | .00008  | 3.5231   |
| #2     | .00030  | .01035  | -.00125 | -.00468 | -.01037 | .0032   | -.00024 | 3.8282   |
| #3     | -.00199 | .00927  | -.00113 | .00164  | -.00396 | .0007   | -.00020 | 3.0453   |



Sample Name: CCB04      Acquired: 7/1/2019 15:05:15      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .45583 |
| Stddev | .15651   |
| %RSD   | 34.335   |

|    |        |
|----|--------|
| #1 | .28051 |
| #2 | .58146 |
| #3 | .50554 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2441.7 | 27331. | 1732.6 | 27.265 | 2688.6 |
| Stddev    | 7.2    | 65.    | 4.7    | 1.032  | 8.4    |
| %RSD      | .29401 | .23600 | .26889 | 3.7837 | .31405 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2449.9 | 27275. | 1734.5 | 28.418 | 2698.3 |
| #2 | 2437.9 | 27315. | 1736.1 | 26.430 | 2685.1 |
| #3 | 2437.2 | 27402. | 1727.3 | 26.948 | 2682.6 |

Sample Name: K3585-12MS      Acquired: 7/1/2019 15:09:44      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RM-WATER-COM      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .79137   | 1.9577 | .95321 | 1.9446 | .81153 | 3.8510 | .22650 | .19926 |
| Stddev | .00663   | .0035  | .00080 | .0017  | .00387 | .0251  | .00162 | .00053 |
| %RSD   | .83831   | .17692 | .08405 | .08805 | .47731 | .65074 | .71685 | .26744 |
| #1     | .79903   | 1.9593 | .95406 | 1.9430 | .81081 | 3.8387 | .22582 | .19909 |
| #2     | .78732   | 1.9537 | .95247 | 1.9464 | .80807 | 3.8344 | .22532 | .19986 |
| #3     | .78777   | 1.9600 | .95311 | 1.9443 | .81571 | 3.8798 | .22835 | .19883 |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18939   | 105.71 | .43676 | .20034 | .31728 | 4.1119 | .20920 | 3.0451 |
| Stddev | .00041   | 1.27   | .00152 | .00065 | .00101 | .0056  | .00015 | .0365  |
| %RSD   | .21607   | 1.1974 | .34743 | .32684 | .31984 | .13663 | .07182 | 1.2000 |
| #1     | .18986   | 106.29 | .43851 | .20100 | .31611 | 4.1060 | .20904 | 3.0058 |
| #2     | .18920   | 106.57 | .43581 | .19970 | .31792 | 4.1171 | .20934 | 3.0516 |
| #3     | .18911   | 104.25 | .43596 | .20032 | .31782 | 4.1126 | .20923 | 3.0780 |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .49544   | .07070 | 45.410 | .37896 | .22723 | 30.806 | .44399 | 2.1988 |
| Stddev | .00065   | .00083 | .138   | .00164 | .00026 | .094   | .00045 | .0189  |
| %RSD   | .13119   | 1.1789 | .30384 | .43363 | .11319 | .30543 | .10235 | .86079 |
| #1     | .49602   | .07153 | 45.309 | .38031 | .22730 | 30.749 | .44392 | 2.2197 |
| #2     | .49474   | .07071 | 45.567 | .37945 | .22694 | 30.914 | .44448 | 2.1940 |
| #3     | .49557   | .06986 | 45.353 | .37713 | .22743 | 30.753 | .44358 | 2.1828 |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 76.001 | 5.3395 | .67032 | .21534 | .20410 | 6.617  | 1.5485 | 5.3732 |
| Stddev | .188     | .0834  | .00215 | .00398 | .00272 | .023   | .0169  | .1394  |
| %RSD   | .24693   | 1.5626 | .32083 | 1.8477 | 1.3318 | .3531  | 1.0928 | 2.5949 |
| #1     | 76.204   | 5.3953 | .67208 | .21542 | .20507 | 6.642  | 1.5541 | 5.2168 |
| #2     | 75.967   | 5.3797 | .66792 | .21928 | .20621 | 6.595  | 1.5619 | 5.4181 |
| #3     | 75.833   | 5.2436 | .67095 | .21133 | .20104 | 6.615  | 1.5295 | 5.4845 |

Sample Name: K3585-12MS      Acquired: 7/1/2019 15:09:44      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RM-WATER-COM Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .90438 |
| Stddev | .20505 |
| %RSD   | 22.673 |

|    |        |
|----|--------|
| #1 | .70401 |
| #2 | 1.1138 |
| #3 | .89532 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2334.1 | 26541. | 1725.7 | 26.848 | 2438.2 |
| Stddev    | 3.4    | 57.    | 19.9   | .803   | 1.4    |
| %RSD      | .14740 | .21563 | 1.1507 | 2.9898 | .05579 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2337.9 | 26517. | 1715.4 | 27.604 | 2438.1 |
| #2 | 2331.2 | 26499. | 1713.1 | 26.006 | 2436.8 |
| #3 | 2333.1 | 26606. | 1748.6 | 26.935 | 2439.6 |

Sample Name: K3585-12MSD      Acquired: 7/1/2019 15:13:50      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RM-WATER-COM      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .79082   | 1.9721 | .96280 | 1.9547 | .81426 | 3.9077 | .22875 | .20181 |
| Stddev | .00209   | .0048  | .00088 | .0011  | .00556 | .0668  | .00192 | .00049 |
| %RSD   | .26403   | .24354 | .09133 | .05725 | .68241 | 1.7098 | .83765 | .24175 |
| #1     | .79322   | 1.9695 | .96377 | 1.9558 | .81800 | 3.8585 | .22675 | .20146 |
| #2     | .78948   | 1.9777 | .96256 | 1.9535 | .80788 | 3.8808 | .22892 | .20237 |
| #3     | .78975   | 1.9693 | .96206 | 1.9548 | .81692 | 3.9837 | .23057 | .20161 |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19163   | 107.05 | .44401 | .20263 | .32034 | 4.1820 | .21176 | 3.0164 |
| Stddev | .00011   | .55    | .00175 | .00046 | .00085 | .0070  | .00045 | .0745  |
| %RSD   | .05973   | .50941 | .39494 | .22703 | .26646 | .16860 | .21131 | 2.4699 |
| #1     | .19171   | 107.13 | .44205 | .20259 | .31947 | 4.1794 | .21130 | 3.0974 |
| #2     | .19169   | 107.55 | .44453 | .20310 | .32118 | 4.1900 | .21181 | 2.9507 |
| #3     | .19150   | 106.46 | .44544 | .20218 | .32037 | 4.1766 | .21219 | 3.0012 |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50199   | .07114 | 45.909 | .38146 | .22883 | 31.102 | .44740 | 2.2819 |
| Stddev | .00080   | .00008 | .218   | .00082 | .00066 | .149   | .00093 | .0124  |
| %RSD   | .16006   | .11276 | .47559 | .21441 | .28708 | .47966 | .20882 | .54385 |
| #1     | .50175   | .07112 | 45.680 | .38111 | .22933 | 30.982 | .44820 | 2.2679 |
| #2     | .50289   | .07123 | 45.930 | .38239 | .22908 | 31.056 | .44762 | 2.2915 |
| #3     | .50133   | .07108 | 46.115 | .38087 | .22809 | 31.269 | .44637 | 2.2863 |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 76.656 | 5.4149 | .67833 | .21965 | .20930 | 6.681  | 1.5690 | 5.6476 |
| Stddev | .085     | .0545  | .00110 | .00192 | .00093 | .009   | .0121  | .1638  |
| %RSD   | .11122   | 1.0069 | .16154 | .87614 | .44490 | .1383  | .77454 | 2.9008 |
| #1     | 76.746   | 5.4568 | .67770 | .21951 | .20855 | 6.691  | 1.5794 | 5.5494 |
| #2     | 76.577   | 5.4347 | .67769 | .22165 | .20902 | 6.677  | 1.5719 | 5.8368 |
| #3     | 76.646   | 5.3533 | .67959 | .21781 | .21035 | 6.674  | 1.5556 | 5.5567 |

Sample Name: K3585-12MSD      Acquired: 7/1/2019 15:13:50      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RM-WATER-COM Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .61059 |
| Stddev | .27719 |
| %RSD   | 45.397 |

|    |        |
|----|--------|
| #1 | .52867 |
| #2 | .91950 |
| #3 | .38359 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2337.8 | 26533. | 1720.3 | 26.879 | 2435.5 |
| Stddev    | 8.3    | 83.    | 17.9   | 1.196  | 5.7    |
| %RSD      | .35461 | .31221 | 1.0405 | 4.4479 | .23402 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2329.1 | 26597. | 1710.1 | 27.686 | 2428.9 |
| #2 | 2345.6 | 26439. | 1709.9 | 27.445 | 2439.1 |
| #3 | 2338.6 | 26562. | 1741.0 | 25.506 | 2438.5 |

Sample Name: K3585-12A      Acquired: 7/1/2019 15:17:57      Type: Unk  
Method: P4-ICP2(v3245)      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    | .79597   | 1.9693 | .96043 | 1.9586 | .81627 | 3.9236 | .22823 | .20081 |
| Stddev | .00515   | .0066  | .00223 | .0051  | .00350 | .0602  | .00189 | .00099 |
| %RSD   | .64660   | .33301 | .23235 | .26217 | .42856 | 1.5336 | .82885 | .49217 |
| #1     | .79879   | 1.9764 | .96108 | 1.9639 | .82024 | 3.8592 | .22716 | .20190 |
| #2     | .79003   | 1.9682 | .96227 | 1.9537 | .81491 | 3.9783 | .22711 | .19997 |
| #3     | .79908   | 1.9634 | .95795 | 1.9583 | .81365 | 3.9334 | .23041 | .20056 |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19106   | 106.74 | .44239 | .20288 | .31936 | 4.1664 | .21085 | 3.0417 |
| Stddev | .00040   | .28    | .00057 | .00081 | .00038 | .0091  | .00058 | .0442  |
| %RSD   | .21146   | .26186 | .12824 | .40079 | .11949 | .21775 | .27323 | 1.4547 |
| #1     | .19090   | 106.56 | .44241 | .20342 | .31954 | 4.1753 | .21143 | 3.0074 |
| #2     | .19152   | 106.59 | .44182 | .20328 | .31892 | 4.1667 | .21085 | 3.0916 |
| #3     | .19077   | 107.06 | .44295 | .20195 | .31961 | 4.1572 | .21027 | 3.0261 |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .49959   | .07127 | 45.778 | .37986 | .22903 | 31.003 | .44772 | 2.2124 |
| Stddev | .00166   | .00044 | .099   | .00029 | .00048 | .060   | .00132 | .0542  |
| %RSD   | .33229   | .61913 | .21626 | .07617 | .20803 | .19245 | .29537 | 2.4498 |
| #1     | .50091   | .07157 | 45.665 | .37993 | .22936 | 30.934 | .44646 | 2.1542 |
| #2     | .50013   | .07076 | 45.824 | .38011 | .22925 | 31.034 | .44759 | 2.2217 |
| #3     | .49773   | .07147 | 45.847 | .37954 | .22849 | 31.041 | .44910 | 2.2614 |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 76.584 | 5.3854 | .67868 | .21727 | .20698 | 6.675  | 1.5600 | 5.7161 |
| Stddev | .038     | .0400  | .00410 | .00160 | .00281 | .006   | .0044  | .0699  |
| %RSD   | .05021   | .74323 | .60378 | .73783 | 1.3585 | .0965  | .27996 | 1.2224 |
| #1     | 76.620   | 5.4293 | .67707 | .21596 | .20711 | 6.678  | 1.5619 | 5.7883 |
| #2     | 76.544   | 5.3509 | .68334 | .21906 | .20411 | 6.678  | 1.5550 | 5.6488 |
| #3     | 76.589   | 5.3761 | .67563 | .21679 | .20973 | 6.667  | 1.5630 | 5.7113 |

Sample Name: K3585-12A      Acquired: 7/1/2019 15:17:57      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .85561 |
| Stddev | .63822 |
| %RSD   | 74.593 |

|    |        |
|----|--------|
| #1 | 1.5164 |
| #2 | .24268 |
| #3 | .80771 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2334.5 | 26517. | 1720.2 | 27.288 | 2433.4 |
| Stddev    | 5.4    | 45.    | 6.6    | .924   | 2.6    |
| %RSD      | .23211 | .17086 | .38466 | 3.3851 | .10605 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2332.6 | 26471. | 1713.1 | 27.484 | 2430.5 |
| #2 | 2340.7 | 26517. | 1726.1 | 28.098 | 2435.1 |
| #3 | 2330.4 | 26562. | 1721.5 | 26.282 | 2434.7 |

Sample Name: K3555-25DLX10      Acquired: 7/1/2019 15:22:02      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: GWMH-13      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00187 | .00305 | .32245 | -.00331 | .00729 | 222.31 | 2.6207 | .01464 |
| Stddev | .00315 | .00071 | .00386 | .00541  | .00229 | 1.12   | .0097  | .00020 |
| %RSD   | 168.10 | 23.372 | 1.1975 | 163.66  | 31.375 | .50418 | .36996 | 1.3372 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00176 | .00240 | .32514 | .00009  | .00808 | 221.08 | 2.6098 | .01486 |
| #2 | .00349  | .00293 | .32419 | -.00046 | .00908 | 222.59 | 2.6240 | .01449 |
| #3 | .00389  | .00381 | .31803 | -.00955 | .00471 | 223.27 | 2.6284 | .01457 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00456 | 56.569 | .22949 | .22601 | .47256 | 221.27 | 10.240 | 95.111 |
| Stddev | .00016 | .365   | .00095 | .00136 | .00088 | 1.11   | .041   | .500   |
| %RSD   | 3.5840 | .64507 | .41443 | .60198 | .18684 | .50051 | .40177 | .52559 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00438 | 56.434 | .23024 | .22444 | .47239 | 221.12 | 10.247 | 94.619 |
| #2 | .00471 | 56.292 | .22981 | .22667 | .47351 | 220.25 | 10.196 | 95.096 |
| #3 | .00457 | 56.983 | .22842 | .22691 | .47177 | 222.45 | 10.277 | 95.618 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .48740 | -.00396 | 30.885 | .25902 | 1.4292 | 29.927 | -.00043 | .00302 |
| Stddev | .00115 | .00009  | .111   | .00127 | .0003  | .146   | .00031  | .00726 |
| %RSD   | .23627 | 2.2657  | .35793 | .49022 | .02189 | .48837 | 72.606  | 240.33 |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .48672 | -.00398 | 30.759 | .25846 | 1.4295 | 29.775 | -.00029 | .00959  |
| #2 | .48873 | -.00404 | 30.926 | .26047 | 1.4290 | 29.939 | -.00078 | .00425  |
| #3 | .48676 | -.00386 | 30.968 | .25813 | 1.4290 | 30.066 | -.00021 | -.00478 |

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 2.7032 | 5.4211 | .03117 | 2.0016 | .47690 | F 14.11 | .15635 | <.00000 |
| Stddev | .0130  | .0624  | .00046 | .0240  | .00472 | .01     | .00280 | .15159  |
| %RSD   | .47981 | 1.1514 | 1.4875 | 1.1986 | .99074 | .0761   | 1.7910 | 2.0317  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 2.7083 | 5.3742 | .03065 | 1.9994 | .47516 | 14.10 | .15522 | -7.5621 |
| #2 | 2.7129 | 5.3972 | .03134 | 1.9788 | .47329 | 14.12 | .15429 | -7.2868 |
| #3 | 2.6885 | 5.4919 | .03153 | 2.0266 | .48224 | 14.10 | .15954 | -7.5345 |



Sample Name: K3555-25DLX10      Acquired: 7/1/2019 15:22:02      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: GWMH-13      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      80.038  
 Stddev      .670  
 %RSD      .83748

#1      80.465  
 #2      80.384  
 #3      79.266

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3255.1 | 36313. | 2426.6 | 26.312 | 2160.0 |
| Stddev    | 4.5    | 60.    | 17.7   | .964   | 3.1    |
| %RSD      | .13881 | .16534 | .73064 | 3.6626 | .14191 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3254.3 | 36295. | 2419.8 | 27.200 | 2162.3 |
| #2 | 3259.9 | 36380. | 2446.7 | 25.287 | 2156.6 |
| #3 | 3251.0 | 36264. | 2413.3 | 26.449 | 2161.2 |

Sample Name: K3158-09      Acquired: 7/1/2019 15:26:35      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |         |        |        |         |         |
|--------|----------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .02662   | -.01820 | .23220 | -.00264 | .00330 | 98.935 | .36782  | .00505  |
| Stddev | .00239   | .00214  | .00167 | .00289  | .00015 | .510   | .00126  | .00018  |
| %RSD   | 8.9712   | 11.766  | .72129 | 109.61  | 4.4318 | .51531 | .34322  | 3.6564  |
| #1     | .02584   | -.01677 | .23070 | -.00119 | .00313 | 98.412 | .36651  | .00521  |
| #2     | .02930   | -.02066 | .23189 | -.00076 | .00337 | 98.962 | .36793  | .00509  |
| #3     | .02473   | -.01717 | .23401 | -.00597 | .00339 | 99.430 | .36902  | .00485  |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00032   | 60.559  | .18552 | .13132  | .30247 | 189.82 | 2.8617  | 53.540  |
| Stddev | .00006   | .433    | .00144 | .00021  | .00143 | .30    | .0043   | .377    |
| %RSD   | 19.963   | .71569  | .77562 | .16279  | .47385 | .15674 | .15188  | .70483  |
| #1     | .00039   | 60.939  | .18639 | .13143  | .30325 | 189.48 | 2.8618  | 53.110  |
| #2     | .00027   | 60.652  | .18386 | .13108  | .30334 | 189.99 | 2.8573  | 53.698  |
| #3     | .00029   | 60.087  | .18631 | .13146  | .30082 | 190.00 | 2.8659  | 53.813  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .25893   | -.00474 | 5.5992 | .40002  | .59168 | 13.623 | .01109  | -.05325 |
| Stddev | .00216   | .00024  | .0299  | .00230  | .00055 | .103   | .00048  | .00263  |
| %RSD   | .83416   | 5.0892  | .53383 | .57387  | .09323 | .75392 | 4.3598  | 4.9361  |
| #1     | .26072   | -.00501 | 5.5729 | .39823  | .59162 | 13.567 | .01161  | -.05594 |
| #2     | .25955   | -.00453 | 5.5929 | .40261  | .59226 | 13.560 | .01066  | -.05069 |
| #3     | .25653   | -.00469 | 5.6317 | .39923  | .59116 | 13.742 | .01099  | -.05311 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | F 14.565 | 2.7796  | .01579 | 4.5282  | .11410 | 8.447  | -.02143 | <.00000 |
| Stddev | .177     | .0249   | .00072 | .0129   | .00526 | .016   | .00067  | .54964  |
| %RSD   | 1.2168   | .89722  | 4.5793 | .28396  | 4.6077 | .1926  | 3.1166  | 7.9261  |
| #1     | 14.744   | 2.7761  | .01500 | 4.5264  | .11856 | 8.440  | -.02071 | -6.3527 |
| #2     | 14.561   | 2.7567  | .01642 | 4.5418  | .10830 | 8.435  | -.02154 | -7.0060 |
| #3     | 14.389   | 2.8062  | .01594 | 4.5163  | .11544 | 8.465  | -.02203 | -7.4450 |

Sample Name: K3158-09      Acquired: 7/1/2019 15:26:35      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 66.700 |
| Stddev | .375   |
| %RSD   | .56258 |

|    |        |
|----|--------|
| #1 | 66.326 |
| #2 | 67.076 |
| #3 | 66.697 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3281.8 | 36571. | 2421.8 | 29.006 | 2395.5 |
| Stddev    | 19.2   | 64.    | 26.4   | 1.321  | 4.2    |
| %RSD      | .58510 | .17483 | 1.0919 | 4.5540 | .17406 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3262.5 | 36503. | 2395.8 | 28.258 | 2393.2 |
| #2 | 3282.1 | 36630. | 2420.8 | 28.230 | 2392.9 |
| #3 | 3300.9 | 36578. | 2448.6 | 30.532 | 2400.3 |

Sample Name: K3158-09DUP      Acquired: 7/1/2019 15:30:58      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02715 | -.01720 | .23435 | -.00498 | .00290 | 93.917 | .35344 | .00472 |
| Stddev | .00045 | .00074  | .00089 | .00297  | .00056 | .983   | .00387 | .00016 |
| %RSD   | 1.6757 | 4.2932  | .37821 | 59.556  | 19.401 | 1.0470 | 1.0936 | 3.4703 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .02718 | -.01695 | .23487 | -.00325 | .00256 | 92.788 | .34910 | .00456 |
| #2 | .02668 | -.01803 | .23487 | -.00329 | .00259 | 94.381 | .35470 | .00471 |
| #3 | .02759 | -.01662 | .23333 | -.00841 | .00355 | 94.583 | .35651 | .00488 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00124 | 58.251 | .17194 | .12795 | .28436 | 175.13 | 2.7038 | 48.643 |
| Stddev | .00013 | .145   | .00074 | .00072 | .00030 | .97    | .0030  | .356   |
| %RSD   | 10.336 | .24809 | .43222 | .56656 | .10446 | .55129 | .11198 | .73093 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00135 | 58.417 | .17272 | .12862 | .28442 | 174.02 | 2.7031 | 48.275 |
| #2 | .00126 | 58.182 | .17124 | .12805 | .28462 | 175.62 | 2.7012 | 48.670 |
| #3 | .00110 | 58.154 | .17186 | .12718 | .28404 | 175.76 | 2.7072 | 48.985 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .22906 | -.00474 | 5.1267 | .37430 | .58651 | 13.163 | .01070 | -.05595 |
| Stddev | .00064 | .00031  | .0280  | .00150 | .00050 | .136   | .00030 | .01654  |
| %RSD   | .27787 | 6.4323  | .54693 | .40092 | .08564 | 1.0340 | 2.7679 | 29.562  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .22976 | -.00485 | 5.0980 | .37562 | .58680 | 13.008 | .01103 | -.03839 |
| #2 | .22890 | -.00498 | 5.1282 | .37463 | .58593 | 13.264 | .01061 | -.05824 |
| #3 | .22851 | -.00440 | 5.1541 | .37267 | .58681 | 13.218 | .01046 | -.07123 |

|        |          |        |        |        |        |        |        |         |
|--------|----------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 11.370 | 2.5155 | .01768 | 4.2210 | .10430 | 8.512  | .00551 | <.00000 |
| Stddev | .049     | .0643  | .00076 | .0266  | .00126 | .020   | .00211 | .25539  |
| %RSD   | .43097   | 2.5563 | 4.3197 | .63100 | 1.2076 | .2393  | 38.321 | 3.0818  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 11.396 | 2.5888 | .01855 | 4.2367 | .10526 | 8.534 | .00789 | -8.0158 |
| #2 | 11.400 | 2.4686 | .01710 | 4.1902 | .10287 | 8.507 | .00384 | -8.5230 |
| #3 | 11.313 | 2.4890 | .01740 | 4.2359 | .10476 | 8.495 | .00481 | -8.3224 |

Sample Name: K3158-09DUP      Acquired: 7/1/2019 15:30:58      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OK-01-062819 Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 65.636 |
| Stddev | .853   |
| %RSD   | 1.2992 |

|    |        |
|----|--------|
| #1 | 66.172 |
| #2 | 66.083 |
| #3 | 64.653 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3441.3 | 38587. | 2545.9 | 27.376 | 2386.5 |
| Stddev    | 5.1    | 207.   | 17.0   | .612   | 2.7    |
| %RSD      | .14935 | .53554 | .66828 | 2.2372 | .11471 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3445.4 | 38821. | 2526.2 | 27.074 | 2388.7 |
| #2 | 3435.5 | 38507. | 2555.9 | 28.081 | 2383.4 |
| #3 | 3442.9 | 38431. | 2555.6 | 26.974 | 2387.4 |

Sample Name: K3158-09LX5      Acquired: 7/1/2019 15:35:21      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00918 | -.00069 | .04133 | -.00015 | -.00029 | 24.494 | .09357 | .00067 |
| Stddev | .00157 | .00115  | .00036 | .00171  | .00060  | .214   | .00083 | .00007 |
| %RSD   | 17.105 | 167.62  | .86723 | 1171.9  | 210.54  | .87215 | .88446 | 10.852 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00870 | -.00140 | .04127 | -.00212 | -.00098 | 24.305 | .09262 | .00059 |
| #2 | .00792 | .00064  | .04171 | .00082  | .00004  | 24.451 | .09393 | .00070 |
| #3 | .01094 | -.00131 | .04100 | .00087  | .00009  | 24.726 | .09415 | .00073 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00191 | 15.554 | .04882 | .02523 | .07870 | 52.657 | .73295 | 13.082 |
| Stddev | .00002  | .086   | .00019 | .00012 | .00035 | .355   | .00049 | .138   |
| %RSD   | .94153  | .55089 | .38702 | .47455 | .44489 | .67510 | .06687 | 1.0567 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00190 | 15.457 | .04860 | .02530 | .07906 | 52.297 | .73286 | 12.978 |
| #2 | -.00191 | 15.588 | .04892 | .02531 | .07837 | 52.667 | .73348 | 13.239 |
| #3 | -.00193 | 15.618 | .04893 | .02510 | .07866 | 53.007 | .73252 | 13.030 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .04944 | -.00021 | 1.1583 | .10010 | .11102 | 3.2402 | .00289 | -.01904 |
| Stddev | .00021 | .00025  | .0030  | .00038 | .00014 | .0225  | .00030 | .00434  |
| %RSD   | .42327 | 117.21  | .25949 | .37640 | .12681 | .69344 | 10.255 | 22.803  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .04968 | -.00013 | 1.1577 | .09976 | .11092 | 3.2649 | .00279 | -.02295 |
| #2 | .04930 | -.00049 | 1.1616 | .10051 | .11118 | 3.2210 | .00265 | -.01437 |
| #3 | .04934 | -.00001 | 1.1557 | .10003 | .11096 | 3.2348 | .00322 | -.01979 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 2.4793 | .65402 | .00319 | 1.1299 | .01875 | 1.639  | -.00761 | 2.1077 |
| Stddev | .0061  | .01045 | .00089 | .0014  | .00280 | .004   | .00071  | .2489  |
| %RSD   | .24760 | 1.5976 | 27.928 | .12624 | 14.932 | .2161  | 9.3114  | 11.809 |

|    |        |        |        |        |        |       |         |        |
|----|--------|--------|--------|--------|--------|-------|---------|--------|
| #1 | 2.4748 | .65855 | .00323 | 1.1316 | .02199 | 1.635 | -.00693 | 2.3370 |
| #2 | 2.4769 | .66144 | .00228 | 1.1291 | .01710 | 1.641 | -.00754 | 2.1430 |
| #3 | 2.4863 | .64207 | .00406 | 1.1291 | .01717 | 1.641 | -.00834 | 1.8430 |

Sample Name: K3158-09LX5      Acquired: 7/1/2019 15:35:21      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      14.459  
 Stddev      .157  
 %RSD      1.0853

#1      14.621  
 #2      14.449  
 #3      14.307

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2651.0 | 29573. | 1913.5 | 28.005 | 2569.3 |
| Stddev    | 6.2    | 44.    | 12.0   | 1.058  | 2.2    |
| %RSD      | .23416 | .14870 | .62531 | 3.7779 | .08550 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2643.9 | 29624. | 1908.2 | 28.661 | 2568.9 |
| #2 | 2653.9 | 29553. | 1905.1 | 28.568 | 2567.3 |
| #3 | 2655.3 | 29543. | 1927.2 | 26.784 | 2571.6 |

Sample Name: K3158-09MS      Acquired: 7/1/2019 15:39:50      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .57584 | 1.9254 | 1.2002 | 1.3786 | .13324 | 104.97  | .50587 | .15078  |
| Stddev | .00256 | .0060  | .0064  | .0081  | .00377 | 1.14    | .00368 | .00109  |
| %RSD   | .44423 | .31326 | .53047 | .58894 | 2.8306 | 1.0894  | .72808 | .72348  |
| #1     | .57855 | 1.9319 | 1.1987 | 1.3698 | .13257 | 103.67  | .50183 | .15039  |
| #2     | .57551 | 1.9199 | 1.2072 | 1.3799 | .13730 | 105.40  | .50676 | .14994  |
| #3     | .57346 | 1.9245 | 1.1948 | 1.3859 | .12985 | 105.83  | .50903 | .15201  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .19402 | 112.40 | .47245 | .32849 | .54161 | 179.23  | 2.8719 | 71.290  |
| Stddev | .00095 | .67    | .00339 | .00148 | .00143 | 1.73    | .0146  | .985    |
| %RSD   | .49007 | .59531 | .71708 | .45097 | .26338 | .96665  | .50973 | 1.3813  |
| #1     | .19357 | 111.71 | .46981 | .32836 | .54013 | 178.27  | 2.8610 | 70.240  |
| #2     | .19511 | 112.45 | .47127 | .33003 | .54298 | 178.20  | 2.8662 | 71.437  |
| #3     | .19338 | 113.04 | .47627 | .32708 | .54174 | 181.23  | 2.8885 | 72.193  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .71126 | .04600 | 7.9128 | .59280 | .85038 | 20.946  | .28165 | .11681  |
| Stddev | .00225 | .00114 | .0760  | .00400 | .00379 | .173    | .00047 | .01512  |
| %RSD   | .31643 | 2.4845 | .96069 | .67524 | .44568 | .82794  | .16841 | 12.941  |
| #1     | .71183 | .04469 | 7.8268 | .59134 | .84896 | 20.802  | .28143 | .10336  |
| #2     | .71317 | .04672 | 7.9404 | .58973 | .85467 | 20.898  | .28133 | .11392  |
| #3     | .70877 | .04661 | 7.9712 | .59733 | .84749 | 21.139  | .28220 | .13317  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 9.7039 | 2.1948 | .67125 | 5.0081 | .27317 | F 14.42 | .47687 | <.00000 |
| Stddev | .0156  | .0381  | .00100 | .0279  | .00194 | .07     | .00219 | .52661  |
| %RSD   | .16083 | 1.7378 | .14843 | .55769 | .70894 | .4547   | .46002 | 9.3071  |
| #1     | 9.6901 | 2.1587 | .67108 | 4.9852 | .27331 | 14.39   | .47434 | -6.2515 |
| #2     | 9.7208 | 2.1910 | .67232 | 4.9998 | .27116 | 14.49   | .47813 | -5.4770 |
| #3     | 9.7008 | 2.2347 | .67035 | 5.0392 | .27503 | 14.37   | .47815 | -5.2461 |



Sample Name: K3158-09MS      Acquired: 7/1/2019 15:39:50      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OK-01-062819      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 62.753 |
| Stddev | .398   |
| %RSD   | .63433 |

|    |        |
|----|--------|
| #1 | 62.468 |
| #2 | 62.583 |
| #3 | 63.208 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3271.5 | 36766. | 2422.2 | 27.065 | 2306.7 |
| Stddev    | 3.1    | 210.   | 7.1    | 1.074  | 4.1    |
| %RSD      | .09382 | .57045 | .29509 | 3.9689 | .17561 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3274.9 | 36931. | 2424.6 | 27.765 | 2309.4 |
| #2 | 3270.4 | 36837. | 2427.8 | 27.603 | 2302.1 |
| #3 | 3269.1 | 36530. | 2414.2 | 25.829 | 2308.8 |

Sample Name: K3158-09MSD      Acquired: 7/1/2019 15:44:08      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .57583 | 1.9129 | 1.1888 | 1.3856 | .13281 | 104.53  | .50598 | .15047  |
| Stddev | .00084 | .0044  | .0032  | .0022  | .00236 | .62     | .00194 | .00040  |
| %RSD   | .14625 | .23047 | .26907 | .15835 | 1.7806 | .59440  | .38282 | .26569  |
| #1     | .57491 | 1.9079 | 1.1859 | 1.3865 | .13068 | 103.94  | .50426 | .15093  |
| #2     | .57603 | 1.9142 | 1.1884 | 1.3872 | .13239 | 105.18  | .50808 | .15024  |
| #3     | .57656 | 1.9165 | 1.1922 | 1.3831 | .13535 | 104.48  | .50559 | .15023  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .19239 | 112.84 | .47303 | .32831 | .54863 | 180.00  | 2.8546 | 71.014  |
| Stddev | .00038 | .41    | .00112 | .00075 | .00071 | 1.02    | .0021  | .683    |
| %RSD   | .19905 | .36635 | .23712 | .22752 | .12919 | .56868  | .07485 | .96196  |
| #1     | .19238 | 112.58 | .47238 | .32775 | .54931 | 180.31  | 2.8564 | 70.487  |
| #2     | .19201 | 112.62 | .47433 | .32802 | .54867 | 180.84  | 2.8552 | 71.786  |
| #3     | .19277 | 113.31 | .47239 | .32915 | .54790 | 178.86  | 2.8523 | 70.769  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .70965 | .04555 | 7.9259 | .59375 | .84553 | 20.824  | .28249 | .11696  |
| Stddev | .00171 | .00074 | .0555  | .00157 | .00347 | .107    | .00026 | .02234  |
| %RSD   | .24068 | 1.6337 | .70022 | .26406 | .41021 | .51210  | .09262 | 19.099  |
| #1     | .70781 | .04631 | 7.8872 | .59235 | .84516 | 20.803  | .28278 | .12645  |
| #2     | .70994 | .04482 | 7.9895 | .59345 | .84226 | 20.940  | .28239 | .09145  |
| #3     | .71119 | .04551 | 7.9010 | .59544 | .84917 | 20.730  | .28228 | .13299  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 9.9194 | 2.1477 | .67174 | 5.0257 | .27254 | F 14.35 | .48993 | <.00000 |
| Stddev | .0184  | .0283  | .00138 | .0122  | .00318 | .01     | .00161 | .30889  |
| %RSD   | .18579 | 1.3187 | .20483 | .24215 | 1.1650 | .0767   | .32910 | 5.4399  |
| #1     | 9.9011 | 2.1792 | .67330 | 5.0316 | .27424 | 14.36   | .49021 | -5.3503 |
| #2     | 9.9193 | 2.1396 | .67121 | 5.0117 | .26888 | 14.34   | .48820 | -5.7207 |
| #3     | 9.9379 | 2.1244 | .67070 | 5.0337 | .27451 | 14.36   | .49139 | -5.9637 |

Sample Name: K3158-09MSD      Acquired: 7/1/2019 15:44:08      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 64.153 |
| Stddev | .815   |
| %RSD   | 1.2701 |

|    |        |
|----|--------|
| #1 | 63.705 |
| #2 | 63.659 |
| #3 | 65.093 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3248.8 | 36635. | 2414.5 | 26.620 | 2305.5 |
| Stddev    | 8.9    | 114.   | 8.0    | .383   | 9.0    |
| %RSD      | .27481 | .31159 | .33327 | 1.4374 | .39078 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3247.9 | 36653. | 2409.6 | 26.823 | 2308.6 |
| #2 | 3258.1 | 36514. | 2423.8 | 26.858 | 2312.5 |
| #3 | 3240.3 | 36740. | 2410.0 | 26.179 | 2295.3 |

Sample Name: K3158-09A      Acquired: 7/1/2019 15:48:27      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .57558 | 1.9173 | 1.1955 | 1.3785 | .13392 | 105.18  | .50703 | .15076  |
| Stddev | .00434 | .0087  | .0027  | .0038  | .00165 | .45     | .00328 | .00034  |
| %RSD   | .75336 | .45403 | .22965 | .27549 | 1.2306 | .43258  | .64658 | .22591  |
| #1     | .58030 | 1.9205 | 1.1974 | 1.3792 | .13240 | 105.41  | .50715 | .15113  |
| #2     | .57465 | 1.9074 | 1.1924 | 1.3819 | .13567 | 105.47  | .51024 | .15069  |
| #3     | .57178 | 1.9239 | 1.1968 | 1.3744 | .13369 | 104.65  | .50369 | .15046  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .19366 | 113.70 | .47304 | .32838 | .54544 | 180.44  | 2.8592 | 71.350  |
| Stddev | .00007 | .40    | .00034 | .00029 | .00100 | .59     | .0046  | .184    |
| %RSD   | .03456 | .35499 | .07176 | .08900 | .18319 | .32458  | .16010 | .25749  |
| #1     | .19366 | 114.01 | .47330 | .32833 | .54616 | 181.09  | 2.8609 | 71.486  |
| #2     | .19372 | 113.24 | .47265 | .32869 | .54586 | 180.27  | 2.8540 | 71.423  |
| #3     | .19359 | 113.86 | .47315 | .32812 | .54430 | 179.95  | 2.8626 | 71.141  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .71279 | .04565 | 7.9268 | .59224 | .85136 | 20.989  | .28274 | .13802  |
| Stddev | .00024 | .00058 | .0327  | .00167 | .00105 | .071    | .00012 | .01860  |
| %RSD   | .03325 | 1.2722 | .41305 | .28206 | .12385 | .33766  | .04370 | 13.478  |
| #1     | .71273 | .04508 | 7.9136 | .59350 | .85189 | 20.987  | .28267 | .15567  |
| #2     | .71258 | .04624 | 7.9641 | .59034 | .85014 | 21.061  | .28268 | .13979  |
| #3     | .71305 | .04565 | 7.9028 | .59286 | .85203 | 20.919  | .28289 | .11859  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 9.7987 | 2.1975 | .67151 | 5.0300 | .27407 | F 14.39 | .48803 | <.00000 |
| Stddev | .0226  | .0279  | .00275 | .0079  | .00227 | .02     | .00215 | .41877  |
| %RSD   | .23070 | 1.2696 | .40887 | .15775 | .82906 | .1675   | .43972 | 7.3076  |
| #1     | 9.8201 | 2.1826 | .67314 | 5.0276 | .27669 | 14.39   | .48612 | -6.1165 |
| #2     | 9.8009 | 2.1803 | .67304 | 5.0235 | .27278 | 14.37   | .48764 | -5.7899 |
| #3     | 9.7751 | 2.2297 | .66834 | 5.0389 | .27273 | 14.41   | .49035 | -5.2853 |

Sample Name: K3158-09A      Acquired: 7/1/2019 15:48:27      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 62.703 |
| Stddev | .435   |
| %RSD   | .69409 |

|    |        |
|----|--------|
| #1 | 63.132 |
| #2 | 62.261 |
| #3 | 62.716 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3263.0 | 36567. | 2393.3 | 27.179 | 2305.6 |
| Stddev    | 5.2    | 141.   | 15.9   | .148   | 3.7    |
| %RSD      | .16074 | .38615 | .66427 | .54321 | .16261 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3257.8 | 36407. | 2383.1 | 27.083 | 2301.3 |
| #2 | 3263.0 | 36622. | 2411.7 | 27.349 | 2308.2 |
| #3 | 3268.3 | 36672. | 2385.2 | 27.105 | 2307.2 |

Sample Name: CCV05      Acquired: 7/1/2019 15:52:46      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV15208      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8843 | 4.9704 | 4.7391 | 4.9755 | 4.9251 | 9.8073 | 9.6976 | .24728 |
| Stddev | .0121  | .0050  | .0148  | .0174  | .0121  | .0356  | .0700  | .00097 |
| %RSD   | .24814 | .10050 | .31148 | .34984 | .24641 | .36260 | .72224 | .39051 |
| #1     | 4.8703 | 4.9761 | 4.7453 | 4.9955 | 4.9119 | 9.7860 | 9.7498 | .24835 |
| #2     | 4.8907 | 4.9678 | 4.7498 | 4.9634 | 4.9359 | 9.7876 | 9.6180 | .24647 |
| #3     | 4.8918 | 4.9672 | 4.7223 | 4.9677 | 4.9274 | 9.8484 | 9.7248 | .24702 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4084 | 24.066 | .96322 | 2.4174 | 1.2385 | 4.8907 | 2.4692 | 23.805 |
| Stddev | .0045  | .068   | .00363 | .0042  | .0013  | .0165  | .0047  | .188   |
| %RSD   | .18627 | .28114 | .37697 | .17411 | .10244 | .33837 | .19167 | .78972 |
| #1     | 2.4124 | 23.995 | .96741 | 2.4208 | 1.2392 | 4.8884 | 2.4746 | 24.016 |
| #2     | 2.4093 | 24.129 | .96120 | 2.4187 | 1.2370 | 4.8755 | 2.4657 | 23.655 |
| #3     | 2.4036 | 24.074 | .96105 | 2.4127 | 1.2392 | 4.9083 | 2.4673 | 23.743 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4177 | 1.2070 | 23.757 | 2.4214 | 2.4000 | 24.029 | 4.9425 | 4.8598 |
| Stddev | .0066  | .0007  | .172   | .0009  | .0049  | .190   | .0033  | .0230  |
| %RSD   | .27217 | .05462 | .72347 | .03790 | .20264 | .79058 | .06590 | .47376 |
| #1     | 2.4231 | 1.2074 | 23.919 | 2.4224 | 2.4048 | 24.030 | 4.9463 | 4.8781 |
| #2     | 2.4196 | 1.2073 | 23.576 | 2.4206 | 2.4001 | 23.839 | 4.9407 | 4.8339 |
| #3     | 2.4104 | 1.2062 | 23.775 | 2.4212 | 2.3951 | 24.219 | 4.9405 | 4.8674 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9407 | 4.7577 | 4.8288 | 4.8049 | 4.8285 | 5.110  | 5.0923 | 4.8941 |
| Stddev | .0149  | .0164  | .0052  | .0086  | .0042  | .019   | .0120  | .1151  |
| %RSD   | .30231 | .34430 | .10692 | .17869 | .08725 | .3752  | .23613 | 2.3523 |
| #1     | 4.9555 | 4.7537 | 4.8347 | 4.7969 | 4.8276 | 5.125  | 5.1059 | 4.7614 |
| #2     | 4.9409 | 4.7757 | 4.8253 | 4.8040 | 4.8249 | 5.115  | 5.0879 | 4.9534 |
| #3     | 4.9256 | 4.7436 | 4.8264 | 4.8140 | 4.8331 | 5.088  | 5.0830 | 4.9675 |

Sample Name: CCV05      Acquired: 7/1/2019 15:52:46      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV15208      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.1381  
Stddev      .1500  
%RSD      7.0169

#1      2.1167  
#2      2.2976  
#3      1.9999

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2398.4 | 27053. | 1749.2 | 26.825 | 2439.6 |
| Stddev    | 6.5    | 190.   | 8.0    | .316   | 9.4    |
| %RSD      | .27245 | .70338 | .45468 | 1.1788 | .38632 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2391.0 | 26848. | 1742.9 | 26.544 | 2428.9 |
| #2 | 2403.4 | 27224. | 1746.6 | 27.167 | 2443.0 |
| #3 | 2400.8 | 27086. | 1758.2 | 26.763 | 2446.8 |

Sample Name: CCB05      Acquired: 7/1/2019 15:56:44      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB15208      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 | .00131  | -.00262 | -.00243 | .00047  | .01187  | .00237  | .00001   |
| Stddev | .00229  | .00044  | .00094  | .00163  | .00100  | .01167  | .00041  | .00008   |
| %RSD   | 115.01  | 33.477  | 35.993  | 66.895  | 212.25  | 98.316  | 17.108  | 909.21   |
| #1     | -.00441 | .00106  | -.00159 | -.00130 | .00114  | .00576  | .00199  | -.00008  |
| #2     | .00014  | .00182  | -.00284 | -.00170 | -.00068 | .02534  | .00280  | .00008   |
| #3     | -.00169 | .00106  | -.00344 | -.00429 | .00096  | .00453  | .00234  | .00003   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00012  | -.00176 | -.00018 | .00015  | -.00014 | .01147  | .00021  | -.08642  |
| Stddev | .00007  | .00638  | .00062  | .00013  | .00030  | .00459  | .00007  | .03860   |
| %RSD   | 54.008  | 362.41  | 346.37  | 85.085  | 209.97  | 40.023  | 35.556  | 44.660   |
| #1     | .00018  | -.00189 | .00013  | .00017  | -.00018 | .01673  | .00029  | -.05757  |
| #2     | .00005  | -.00807 | -.00089 | .00027  | -.00043 | .00822  | .00018  | -.07143  |
| #3     | .00014  | .00468  | .00023  | .00001  | .00017  | .00947  | .00015  | -.13026  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00071  | .00075  | -.25579 | -.00011 | -.00036 | -.11888 | .00027  | -.01463  |
| Stddev | .00019  | .00028  | .01178  | .00028  | .00008  | .02755  | .00046  | .01696   |
| %RSD   | 27.034  | 36.990  | 4.6062  | 246.70  | 21.665  | 23.172  | 169.02  | 115.96   |
| #1     | .00050  | .00100  | -.25379 | -.00003 | -.00029 | -.09741 | .00057  | .00446   |
| #2     | .00075  | .00080  | -.26844 | -.00042 | -.00045 | -.14994 | .00049  | -.02035  |
| #3     | .00088  | .00045  | -.24513 | .00012  | -.00034 | -.10929 | -.00025 | -.02799  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00013 | .00498  | -.00046 | -.00350 | -.00925 | -.0009  | .00004  | F 2.6044 |
| Stddev | .00539  | .00450  | .00060  | .00044  | .00117  | .0026   | .00020  | 1.5015   |
| %RSD   | 4090.5  | 90.493  | 130.12  | 12.558  | 12.662  | 298.3   | 449.08  | 57.654   |
| #1     | .00564  | .00885  | -.00100 | -.00394 | -.01026 | .0003   | .00005  | 3.4953   |
| #2     | -.00099 | .00604  | .00018  | -.00351 | -.00950 | .0009   | -.00016 | .87078   |
| #3     | -.00504 | .00004  | -.00057 | -.00306 | -.00797 | -.0038  | .00024  | 3.4470   |



Sample Name: CCB05      Acquired: 7/1/2019 15:56:44      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB15208      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .09893 |
| Stddev | .37854   |
| %RSD   | 382.64   |

|    |         |
|----|---------|
| #1 | .07730  |
| #2 | .48782  |
| #3 | -.26834 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2466.2 | 28754. | 1758.5 | 28.727 | 2717.9 |
| Stddev    | 6.3    | 1797.  | 10.3   | 1.511  | 10.0   |
| %RSD      | .25694 | 6.2500 | .58472 | 5.2610 | .36882 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2458.9 | 27756. | 1749.4 | 28.950 | 2706.8 |
| #2 | 2469.8 | 30828. | 1769.7 | 30.114 | 2726.3 |
| #3 | 2470.0 | 27677. | 1756.5 | 27.116 | 2720.6 |

Sample Name: K3160-07      Acquired: 7/1/2019 16:01:13      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02953 | -.00582 | .46223 | -.00398 | .00421 | 92.601 | .55117 | .00514 |
| Stddev | .00235 | .00223  | .00224 | .00281  | .00111 | .443   | .00207 | .00009 |
| %RSD   | 7.9619 | 38.313  | .48440 | 70.614  | 26.325 | .47789 | .37543 | 1.7154 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .02811 | -.00414 | .46061 | -.00505 | .00478 | 92.164 | .54912 | .00514 |
| #2 | .03225 | -.00835 | .46478 | -.00079 | .00492 | 93.049 | .55326 | .00523 |
| #3 | .02825 | -.00497 | .46129 | -.00611 | .00294 | 92.590 | .55113 | .00505 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00033 | 62.280 | .14679 | .10581 | .36627 | 185.76 | 3.3050 | 45.580 |
| Stddev | .00020 | .239   | .00027 | .00040 | .00064 | .52    | .0032  | .219   |
| %RSD   | 60.226 | .38321 | .18127 | .37664 | .17495 | .27878 | .09836 | .47988 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00012 | 62.011 | .14688 | .10538 | .36626 | 186.33 | 3.3085 | 45.365 |
| #2 | .00037 | 62.362 | .14649 | .10590 | .36564 | 185.32 | 3.3046 | 45.571 |
| #3 | .00052 | 62.467 | .14699 | .10616 | .36692 | 185.63 | 3.3020 | 45.802 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .16668 | -.00312 | 4.8157 | .26160 | .97327 | 7.9183 | .00580 | -.04018 |
| Stddev | .00007 | .00007  | .0201  | .00105 | .00190 | .0491  | .00030 | .01100  |
| %RSD   | .04421 | 2.1670  | .41784 | .40322 | .19472 | .61992 | 5.1803 | 27.369  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .16667 | -.00307 | 4.7925 | .26151 | .97137 | 7.8983 | .00589 | -.03334 |
| #2 | .16661 | -.00319 | 4.8258 | .26059 | .97516 | 7.9742 | .00604 | -.05287 |
| #3 | .16676 | -.00308 | 4.8287 | .26269 | .97328 | 7.8823 | .00546 | -.03434 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 3.1284 | 3.0000 | .03658 | 2.4051 | .10086 | 9.353  | .00103 | <.00000 |
| Stddev | .0068  | .0497  | .00053 | .0083  | .00047 | .033   | .00114 | .28650  |
| %RSD   | .21803 | 1.6568 | 1.4509 | .34351 | .46925 | .3546  | 111.17 | 5.3425  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 3.1205 | 3.0028 | .03706 | 2.4125 | .10037 | 9.315 | .00008 | -5.6920 |
| #2 | 3.1321 | 2.9489 | .03601 | 2.3962 | .10088 | 9.376 | .00230 | -5.2244 |
| #3 | 3.1325 | 3.0482 | .03665 | 2.4066 | .10132 | 9.368 | .00070 | -5.1714 |

Sample Name: K3160-07      Acquired: 7/1/2019 16:01:13      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EO-01-062819      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      67.400  
 Stddev      .479  
 %RSD      .71120

#1      67.553  
 #2      67.783  
 #3      66.862

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3221.6 | 36234. | 2379.4 | 26.948 | 2413.4 |
| Stddev    | 3.1    | 126.   | 6.2    | 1.149  | 3.0    |
| %RSD      | .09725 | .34897 | .26231 | 4.2644 | .12523 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3219.1 | 36095. | 2372.3 | 28.274 | 2416.1 |
| #2 | 3220.5 | 36263. | 2383.8 | 26.245 | 2410.2 |
| #3 | 3225.1 | 36343. | 2382.2 | 26.325 | 2413.9 |

Sample Name: K3160-09      Acquired: 7/1/2019 16:05:29      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |         |        |         |        |         |
|--------|----------|---------|--------|---------|--------|---------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .01984   | -.01341 | .55684 | -.00181 | .00655 | 91.920  | .45693 | .00437  |
| Stddev | .00349   | .00162  | .00145 | .00100  | .00209 | .389    | .00146 | .00013  |
| %RSD   | 17.599   | 12.081  | .25972 | 55.282  | 31.865 | .42297  | .31870 | 2.9231  |
| #1     | .01910   | -.01221 | .55775 | -.00068 | .00818 | 92.003  | .45777 | .00429  |
| #2     | .01679   | -.01525 | .55759 | -.00216 | .00727 | 91.496  | .45525 | .00452  |
| #3     | .02365   | -.01277 | .55517 | -.00259 | .00420 | 92.260  | .45778 | .00431  |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00106   | 68.962  | .12784 | .11908  | .50224 | 171.58  | 2.4827 | 42.343  |
| Stddev | .00024   | .321    | .00014 | .00052  | .00091 | .60     | .0014  | .198    |
| %RSD   | 22.247   | .46530  | .11064 | .43746  | .18069 | .35191  | .05654 | .46646  |
| #1     | .00131   | 68.593  | .12780 | .11943  | .50239 | 171.69  | 2.4823 | 42.194  |
| #2     | .00084   | 69.120  | .12773 | .11934  | .50306 | 172.13  | 2.4843 | 42.567  |
| #3     | .00104   | 69.173  | .12800 | .11848  | .50127 | 170.93  | 2.4816 | 42.269  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .23674   | -.00322 | 8.8290 | .31974  | .79177 | 11.132  | .00710 | -.00563 |
| Stddev | .00056   | .00020  | .0461  | .00097  | .00163 | .054    | .00006 | .01167  |
| %RSD   | .23623   | 6.3063  | .52251 | .30240  | .20599 | .48146  | .78714 | 207.47  |
| #1     | .23688   | -.00331 | 8.8597 | .31992  | .79206 | 11.191  | .00716 | -.01109 |
| #2     | .23721   | -.00298 | 8.7759 | .31869  | .79324 | 11.120  | .00707 | -.01356 |
| #3     | .23612   | -.00335 | 8.8514 | .32060  | .79001 | 11.086  | .00706 | .00778  |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | F 16.626 | 1.7242  | .72521 | 3.4709  | .09206 | F 12.46 | .04976 | <.00000 |
| Stddev | .051     | .0036   | .00061 | .0144   | .00206 | .02     | .00141 | .26756  |
| %RSD   | .30878   | .21033  | .08375 | .41610  | 2.2323 | .1480   | 2.8250 | 3.6737  |
| #1     | 16.645   | 1.7273  | .72507 | 3.4547  | .09272 | 12.47   | .04819 | -6.9895 |
| #2     | 16.665   | 1.7202  | .72587 | 3.4824  | .09372 | 12.46   | .05021 | -7.3460 |
| #3     | 16.568   | 1.7250  | .72468 | 3.4755  | .08976 | 12.44   | .05089 | -7.5133 |

Sample Name: K3160-09      Acquired: 7/1/2019 16:05:29      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 64.588 |
| Stddev | .080   |
| %RSD   | .12342 |

|    |        |
|----|--------|
| #1 | 64.671 |
| #2 | 64.512 |
| #3 | 64.582 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3410.8 | 38298. | 2550.4 | 29.145 | 2400.8 |
| Stddev    | 3.2    | 85.    | 12.3   | .827   | 4.6    |
| %RSD      | .09268 | .22113 | .48267 | 2.8361 | .19234 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3410.0 | 38202. | 2560.9 | 28.225 | 2398.2 |
| #2 | 3414.2 | 38326. | 2536.8 | 29.825 | 2398.2 |
| #3 | 3408.1 | 38364. | 2553.5 | 29.385 | 2406.2 |

Sample Name: K3160-11      Acquired: 7/1/2019 16:09:49      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |         |        |        |        |         |
|--------|----------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .01615   | -.02200 | .27740 | -.00798 | .00535 | 103.65 | .63453 | .00516  |
| Stddev | .00117   | .00168  | .00176 | .00280  | .00122 | .32    | .00176 | .00024  |
| %RSD   | 7.2441   | 7.6378  | .63330 | 35.062  | 22.769 | .30617 | .27745 | 4.6132  |
| #1     | .01719   | -.02237 | .27602 | -.00475 | .00455 | 103.29 | .63649 | .00509  |
| #2     | .01488   | -.02347 | .27680 | -.00977 | .00675 | 103.80 | .63402 | .00542  |
| #3     | .01637   | -.02017 | .27937 | -.00940 | .00475 | 103.88 | .63308 | .00496  |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00210   | 59.770  | .16315 | .13975  | .34260 | 197.17 | 3.4990 | 44.546  |
| Stddev | .00004   | .191    | .00056 | .00039  | .00141 | .85    | .0020  | .202    |
| %RSD   | 1.9266   | .31999  | .34542 | .27641  | .41297 | .43283 | .05649 | .45268  |
| #1     | .00211   | 59.897  | .16289 | .13942  | .34423 | 196.55 | 3.4975 | 44.689  |
| #2     | .00205   | 59.550  | .16277 | .13965  | .34168 | 198.14 | 3.5012 | 44.634  |
| #3     | .00213   | 59.863  | .16380 | .14017  | .34190 | 196.83 | 3.4983 | 44.315  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .23569   | -.00535 | 5.9676 | .33451  | .74842 | 20.633 | .00491 | -.05808 |
| Stddev | .00105   | .00067  | .0095  | .00203  | .00213 | .012   | .00008 | .01312  |
| %RSD   | .44439   | 12.544  | .15907 | .60740  | .28463 | .05823 | 1.6387 | 22.589  |
| #1     | .23579   | -.00546 | 5.9689 | .33672  | .74607 | 20.633 | .00493 | -.05087 |
| #2     | .23668   | -.00463 | 5.9763 | .33411  | .74896 | 20.644 | .00498 | -.07323 |
| #3     | .23459   | -.00595 | 5.9575 | .33271  | .75023 | 20.620 | .00482 | -.05015 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 10.710 | 2.1223  | .02997 | 5.0293  | .13167 | 9.623  | .02219 | <.00000 |
| Stddev | .009     | .0437   | .00098 | .0327   | .00170 | .007   | .00144 | .52578  |
| %RSD   | .08778   | 2.0591  | 3.2757 | .65017  | 1.2924 | .0760  | 6.4744 | 6.3572  |
| #1     | 10.704   | 2.1719  | .03111 | 5.0525  | .13272 | 9.619  | .02349 | -8.6173 |
| #2     | 10.721   | 2.1053  | .02937 | 4.9919  | .12971 | 9.618  | .02065 | -7.6656 |
| #3     | 10.706   | 2.0896  | .02945 | 5.0434  | .13259 | 9.631  | .02244 | -8.5288 |

Sample Name: K3160-11      Acquired: 7/1/2019 16:09:49      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EO-01-062819      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 75.715 |
| Stddev | .537   |
| %RSD   | .70916 |

|    |        |
|----|--------|
| #1 | 75.958 |
| #2 | 75.099 |
| #3 | 76.087 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3437.3 | 38667. | 2546.9 | 27.735 | 2372.5 |
| Stddev    | 6.3    | 52.    | 8.6    | 1.659  | 3.2    |
| %RSD      | .18459 | .13567 | .33915 | 5.9828 | .13468 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3430.7 | 38644. | 2536.9 | 26.809 | 2372.9 |
| #2 | 3443.3 | 38630. | 2552.5 | 29.650 | 2375.5 |
| #3 | 3437.8 | 38727. | 2551.2 | 26.745 | 2369.1 |

Sample Name: K3592-01      Acquired: 7/1/2019 16:14:14      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: WASTE      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .09319 | .00907 | .42308 | -.00179 | .01073 | 91.532 | .35198 | .00464 |
| Stddev | .00192 | .00037 | .00287 | .00035  | .00054 | .790   | .00453 | .00019 |
| %RSD   | 2.0556 | 4.0631 | .67944 | 19.766  | 5.0134 | .86301 | 1.2872 | 4.0593 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .09528 | .00948 | .42264 | -.00198 | .01035 | 91.120 | .35013 | .00479 |
| #2 | .09151 | .00875 | .42045 | -.00200 | .01135 | 92.443 | .35714 | .00443 |
| #3 | .09280 | .00899 | .42615 | -.00138 | .01050 | 91.034 | .34866 | .00470 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00501 | 6.5720 | .20168 | .03184 | .11890 | 188.66 | .63715 | 8.6781 |
| Stddev | .00016  | .0152  | .00064 | .00009 | .00079 | .78    | .00227 | .0826  |
| %RSD   | 3.2724  | .23172 | .31795 | .26942 | .66462 | .41526 | .35614 | .95161 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00501 | 6.5779 | .20241 | .03192 | .11972 | 188.11 | .63791 | 8.6712 |
| #2 | -.00517 | 6.5547 | .20143 | .03187 | .11882 | 189.56 | .63895 | 8.7639 |
| #3 | -.00484 | 6.5834 | .20120 | .03175 | .11815 | 188.31 | .63460 | 8.5992 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .04868 | -.00124 | .98909 | .31027 | .53101 | 7.8979 | .00554 | -.04826 |
| Stddev | .00046 | .00030  | .03584 | .00298 | .00124 | .0716  | .00020 | .01331  |
| %RSD   | .94794 | 24.445  | 3.6231 | .95988 | .23296 | .90670 | 3.5417 | 27.573  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .04898 | -.00148 | .99602 | .31274 | .53039 | 7.8990 | .00577 | -.05774 |
| #2 | .04815 | -.00090 | 1.0210 | .31110 | .53021 | 7.9689 | .00543 | -.05398 |
| #3 | .04891 | -.00133 | .95030 | .30696 | .53244 | 7.8257 | .00543 | -.03305 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.9024 | 2.7151 | .01730 | .66173 | .06151 | 3.725  | -.14171 | .02150 |
| Stddev | .0081  | .0379  | .00046 | .00130 | .00093 | .011   | .00107  | .33653 |
| %RSD   | .42624 | 1.3947 | 2.6754 | .19693 | 1.5178 | .2871  | .75853  | 1565.0 |

|    |        |        |        |        |        |       |         |         |
|----|--------|--------|--------|--------|--------|-------|---------|---------|
| #1 | 1.9115 | 2.7186 | .01745 | .66081 | .06166 | 3.722 | -.14140 | -.08960 |
| #2 | 1.8960 | 2.6756 | .01766 | .66115 | .06235 | 3.716 | -.14291 | .39953  |
| #3 | 1.8997 | 2.7510 | .01678 | .66322 | .06050 | 3.737 | -.14083 | -.24542 |



Sample Name: K3592-01      Acquired: 7/1/2019 16:14:14      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: WASTE      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 54.555 |
| Stddev | .385   |
| %RSD   | .70567 |

|    |        |
|----|--------|
| #1 | 54.758 |
| #2 | 54.111 |
| #3 | 54.796 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2732.8 | 30373. | 1991.1 | 29.043 | 2562.7 |
| Stddev    | 4.6    | 124.   | 10.7   | 1.390  | .4     |
| %RSD      | .16922 | .40810 | .53797 | 4.7843 | .01462 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2734.5 | 30344. | 1984.0 | 30.235 | 2562.3 |
| #2 | 2727.6 | 30266. | 2003.4 | 27.517 | 2563.0 |
| #3 | 2736.3 | 30509. | 1985.9 | 29.376 | 2562.8 |

Sample Name: K3592-03      Acquired: 7/1/2019 16:18:36      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-11-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |         |         |
|--------|---------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .09012  | .00823  | .51731 | .00305 | .00917 | 79.458 | .32141  | .00427  |
| Stddev | .00438  | .00184  | .00223 | .00152 | .00040 | .258   | .00036  | .00017  |
| %RSD   | 4.8639  | 22.329  | .43101 | 49.866 | 4.3589 | .32519 | .11241  | 4.0836  |
| #1     | .09391  | .01034  | .51506 | .00279 | .00939 | 79.419 | .32100  | .00440  |
| #2     | .09112  | .00734  | .51952 | .00468 | .00871 | 79.222 | .32169  | .00407  |
| #3     | .08532  | .00700  | .51736 | .00167 | .00941 | 79.734 | .32153  | .00434  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.00392 | 10.729  | .23747 | .03296 | .14245 | 156.53 | .77108  | 8.1666  |
| Stddev | .00016  | .026    | .00007 | .00012 | .00102 | .97    | .00075  | .1009   |
| %RSD   | 4.0829  | .24078  | .02880 | .36969 | .71482 | .61937 | .09782  | 1.2357  |
| #1     | -.00410 | 10.733  | .23755 | .03283 | .14169 | 157.56 | .77185  | 8.2684  |
| #2     | -.00382 | 10.702  | .23743 | .03307 | .14206 | 156.42 | .77034  | 8.1647  |
| #3     | -.00384 | 10.753  | .23743 | .03298 | .14361 | 155.63 | .77105  | 8.0666  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .04203  | -.00086 | .61944 | .43603 | .65174 | 7.9865 | .00957  | -.03549 |
| Stddev | .00065  | .00014  | .00586 | .00021 | .00071 | .1010  | .00034  | .01171  |
| %RSD   | 1.5519  | 16.116  | .94528 | .04826 | .10923 | 1.2644 | 3.5141  | 33.008  |
| #1     | .04140  | -.00084 | .62603 | .43627 | .65132 | 7.9891 | .00918  | -.04877 |
| #2     | .04270  | -.00073 | .61744 | .43598 | .65256 | 8.0861 | .00978  | -.02664 |
| #3     | .04200  | -.00101 | .61485 | .43586 | .65134 | 7.8842 | .00975  | -.03106 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 2.1529  | 2.7974  | .02274 | .65574 | .04329 | 2.768  | -.06786 | .47225  |
| Stddev | .0095   | .0721   | .00031 | .00672 | .00145 | .005   | .00146  | .12991  |
| %RSD   | .43978  | 2.5756  | 1.3563 | 1.0248 | 3.3393 | .1904  | 2.1480  | 27.510  |
| #1     | 2.1425  | 2.7663  | .02302 | .65510 | .04166 | 2.769  | -.06936 | .51257  |
| #2     | 2.1611  | 2.7462  | .02241 | .66276 | .04440 | 2.773  | -.06776 | .57722  |
| #3     | 2.1550  | 2.8798  | .02277 | .64937 | .04381 | 2.762  | -.06645 | .32695  |

Sample Name: K3592-03      Acquired: 7/1/2019 16:18:36      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-11-COMP      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 45.216 |
| Stddev | .635   |
| %RSD   | 1.4054 |

|    |        |
|----|--------|
| #1 | 45.849 |
| #2 | 44.578 |
| #3 | 45.220 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2717.6 | 30276. | 1969.2 | 29.263 | 2573.8 |
| Stddev    | 7.6    | 82.    | 7.6    | .404   | 3.2    |
| %RSD      | .27983 | .27042 | .38345 | 1.3800 | .12580 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2712.5 | 30289. | 1972.5 | 29.628 | 2571.1 |
| #2 | 2726.3 | 30188. | 1974.4 | 28.829 | 2577.4 |
| #3 | 2714.0 | 30350. | 1960.5 | 29.331 | 2573.0 |

Sample Name: K3601-01      Acquired: 7/1/2019 16:22:58      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-12-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |         |         |
|--------|---------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .04433  | .00448  | .38305 | .00318  | .00610 | 116.59 | .35678  | .00302  |
| Stddev | .00082  | .00083  | .00208 | .00369  | .00203 | .86    | .00189  | .00006  |
| %RSD   | 1.8576  | 18.476  | .54334 | 116.07  | 33.293 | .73989 | .52895  | 2.0120  |
| #1     | .04446  | .00354  | .38396 | .00593  | .00547 | 116.00 | .35462  | .00309  |
| #2     | .04508  | .00510  | .38067 | .00462  | .00447 | 116.19 | .35757  | .00299  |
| #3     | .04345  | .00480  | .38453 | -.00101 | .00838 | 117.58 | .35814  | .00298  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.00304 | 5.3548  | .13754 | .06382  | .14076 | 125.26 | 1.3823  | 11.854  |
| Stddev | .00015  | .1076   | .00070 | .00032  | .00094 | .77    | .0021   | .174    |
| %RSD   | 4.8231  | 2.0101  | .51076 | .49445  | .67053 | .61382 | .15514  | 1.4652  |
| #1     | -.00306 | 5.2427  | .13831 | .06417  | .14003 | 125.67 | 1.3798  | 11.764  |
| #2     | -.00318 | 5.4574  | .13695 | .06356  | .14183 | 125.74 | 1.3831  | 11.742  |
| #3     | -.00289 | 5.3644  | .13734 | .06373  | .14042 | 124.38 | 1.3838  | 12.054  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .08874  | .00018  | 2.2429 | .20240  | .44419 | 3.3744 | .00287  | -.04224 |
| Stddev | .00100  | .00044  | .0075  | .00062  | .00108 | .0231  | .00036  | .02690  |
| %RSD   | 1.1254  | 239.52  | .33630 | .30783  | .24300 | .68583 | 12.704  | 63.684  |
| #1     | .08888  | .00005  | 2.2453 | .20169  | .44406 | 3.3648 | .00278  | -.01629 |
| #2     | .08767  | .00068  | 2.2344 | .20285  | .44532 | 3.4007 | .00327  | -.04043 |
| #3     | .08965  | -.00018 | 2.2489 | .20267  | .44318 | 3.3575 | .00256  | -.07001 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.0071  | 3.0977  | .01178 | .71440  | .05482 | 3.407  | -.08446 | <.00000 |
| Stddev | .0059   | .0602   | .00042 | .01792  | .00186 | .007   | .00148  | .44584  |
| %RSD   | .58599  | 1.9434  | 3.6009 | 2.5084  | 3.3934 | .1944  | 1.7528  | 47.049  |
| #1     | 1.0009  | 3.0282  | .01158 | .69501  | .05368 | 3.408  | -.08597 | -1.4624 |
| #2     | 1.0127  | 3.1295  | .01227 | .73035  | .05697 | 3.400  | -.08440 | -.69753 |
| #3     | 1.0076  | 3.1353  | .01150 | .71784  | .05382 | 3.414  | -.08301 | -.68294 |

Sample Name: K3601-01      Acquired: 7/1/2019 16:22:58      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-12-COMP      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      37.472  
 Stddev      .506  
 %RSD      1.3516

#1      38.022  
 #2      37.369  
 #3      37.025

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2883.2 | 32068. | 2083.2 | 28.506 | 2545.5 |
| Stddev    | 9.0    | 73.    | 33.7   | 1.199  | 7.2    |
| %RSD      | .31126 | .22671 | 1.6154 | 4.2047 | .28331 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2882.3 | 32032. | 2118.1 | 29.159 | 2542.2 |
| #2 | 2874.6 | 32020. | 2051.0 | 27.123 | 2540.4 |
| #3 | 2892.5 | 32151. | 2080.5 | 29.236 | 2553.7 |

Sample Name: K3601-03      Acquired: 7/1/2019 16:27:31      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-13-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03238 | .00338 | .17885 | .00167 | .00638 | 213.61 | .56048 | .00350 |
| Stddev | .00434 | .00119 | .00199 | .00009 | .00105 | .77    | .00082 | .00029 |
| %RSD   | 13.397 | 35.384 | 1.1129 | 5.6681 | 16.436 | .36002 | .14628 | 8.4120 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02930 | .00401 | .17876 | .00171 | .00579 | 213.57 | .55983 | .00332 |
| #2 | .03050 | .00412 | .17690 | .00174 | .00576 | 214.40 | .56140 | .00383 |
| #3 | .03734 | .00200 | .18088 | .00156 | .00759 | 212.86 | .56021 | .00333 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00363 | 3.9335 | .14305 | .04560 | .09992 | 113.66 | .57043 | 5.5286 |
| Stddev | .00015  | .0240  | .00122 | .00038 | .00056 | .08    | .00040 | .0813  |
| %RSD   | 4.2599  | .60960 | .85636 | .83030 | .55632 | .07154 | .06926 | 1.4709 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00380 | 3.9258 | .14242 | .04528 | .10004 | 113.74 | .57008 | 5.5696 |
| #2 | -.00359 | 3.9143 | .14446 | .04550 | .09932 | 113.66 | .57086 | 5.4350 |
| #3 | -.00350 | 3.9604 | .14226 | .04602 | .10041 | 113.57 | .57036 | 5.5813 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .07932 | -.00057 | 1.9927 | .28820 | .25961 | 2.5465 | .00178 | -.00427 |
| Stddev | .00085 | .00012  | .0162  | .00220 | .00118 | .0231  | .00011 | .00638  |
| %RSD   | 1.0771 | 21.472  | .81106 | .76212 | .45437 | .90812 | 6.0312 | 149.36  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .07848 | -.00070 | 1.9823 | .28719 | .25850 | 2.5537 | .00173 | -.01145 |
| #2 | .08019 | -.00056 | 1.9844 | .29072 | .25948 | 2.5652 | .00191 | .00077  |
| #3 | .07929 | -.00045 | 2.0113 | .28669 | .26085 | 2.5206 | .00172 | -.00214 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .66602 | 3.2104 | .01406 | 1.1412 | .02837 | 2.007  | -.09277 | .14705 |
| Stddev | .00637 | .0148  | .00054 | .0068  | .00296 | .014   | .00055  | .15568 |
| %RSD   | .95642 | .46229 | 3.8281 | .59593 | 10.434 | .6776  | .59626  | 105.87 |

|    |        |        |        |        |        |       |         |        |
|----|--------|--------|--------|--------|--------|-------|---------|--------|
| #1 | .67019 | 3.1978 | .01344 | 1.1436 | .03078 | 1.996 | -.09287 | .06168 |
| #2 | .65869 | 3.2268 | .01429 | 1.1335 | .02507 | 2.003 | -.09327 | .05273 |
| #3 | .66918 | 3.2067 | .01444 | 1.1465 | .02926 | 2.022 | -.09218 | .32674 |

Sample Name: K3601-03      Acquired: 7/1/2019 16:27:31      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-13-COMP      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      33.504  
 Stddev      .184  
 %RSD      .55028

#1      33.369  
 #2      33.714  
 #3      33.428

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2847.6 | 31490. | 2058.9 | 29.611 | 2538.0 |
| Stddev    | 6.2    | 58.    | 4.9    | .940   | 7.3    |
| %RSD      | .21601 | .18491 | .23570 | 3.1742 | .28888 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2851.7 | 31441. | 2054.2 | 28.537 | 2543.3 |
| #2 | 2850.5 | 31476. | 2058.6 | 30.009 | 2541.0 |
| #3 | 2840.5 | 31554. | 2063.9 | 30.286 | 2529.6 |

Sample Name: K3602-02      Acquired: 7/1/2019 16:32:06      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-14-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |         |         |         |
|--------|--------|---------|--------|---------|--------|---------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .11159 | .01110  | .14875 | -.01644 | .00996 | 125.01  | .41697  | .01815  |
| Stddev | .00240 | .00094  | .00050 | .00253  | .00139 | 1.06    | .00326  | .00006  |
| %RSD   | 2.1489 | 8.5058  | .33902 | 15.374  | 13.980 | .84694  | .78299  | .32945  |
| #1     | .10886 | .01120  | .14874 | -.01647 | .00836 | 123.83  | .41362  | .01809  |
| #2     | .11333 | .01011  | .14826 | -.01390 | .01069 | 125.87  | .42015  | .01813  |
| #3     | .11259 | .01199  | .14927 | -.01895 | .01084 | 125.34  | .41713  | .01821  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00225 | 29.555  | .24084 | .13784  | .09993 | 320.89  | 3.1760  | 19.357  |
| Stddev | .00025 | .038    | .00040 | .00043  | .00073 | 1.32    | .0020   | .225    |
| %RSD   | 10.979 | .12955  | .16701 | .31368  | .72742 | .41021  | .06289  | 1.1622  |
| #1     | .00197 | 29.565  | .24120 | .13751  | .10071 | 321.90  | 3.1753  | 19.107  |
| #2     | .00243 | 29.587  | .24092 | .13833  | .09980 | 321.37  | 3.1783  | 19.543  |
| #3     | .00236 | 29.512  | .24040 | .13769  | .09928 | 319.40  | 3.1745  | 19.422  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664  | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .05334 | -.00965 | .74458 | .60291  | .63061 | 13.363  | .00147  | -.13259 |
| Stddev | .00073 | .00039  | .01378 | .00077  | .00169 | .071    | .00030  | .01802  |
| %RSD   | 1.3667 | 4.0528  | 1.8511 | .12695  | .26873 | .53424  | 20.665  | 13.591  |
| #1     | .05418 | -.00972 | .72962 | .60223  | .62923 | 13.285  | .00121  | -.11252 |
| #2     | .05296 | -.00923 | .74735 | .60276  | .63250 | 13.425  | .00139  | -.14737 |
| #3     | .05289 | -.01000 | .75676 | .60374  | .63009 | 13.380  | .00180  | -.13789 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774  | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .89318 | 1.8969  | .01482 | .87072  | .05293 | F 17.31 | -.22320 | <.00000 |
| Stddev | .00514 | .0411   | .00051 | .00228  | .00225 | .03     | .00181  | .13496  |
| %RSD   | .57600 | 2.1650  | 3.4232 | .26177  | 4.2505 | .1924   | .80897  | 1.6518  |
| #1     | .88875 | 1.9327  | .01476 | .87291  | .05079 | 17.33   | -.22425 | -8.2979 |
| #2     | .89197 | 1.8521  | .01434 | .86836  | .05528 | 17.33   | -.22423 | -8.1848 |
| #3     | .89882 | 1.9058  | .01535 | .87087  | .05273 | 17.27   | -.22111 | -8.0291 |



Sample Name: K3602-02      Acquired: 7/1/2019 16:32:06      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-14-COMP      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 112.15  
Stddev      .55  
%RSD      .49033

#1      111.78  
#2      111.90  
#3      112.78

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3096.5 | 34584. | 2270.1 | 26.753 | 2378.7 |
| Stddev    | 7.5    | 127.   | 18.7   | 2.038  | 5.3    |
| %RSD      | .24076 | .36669 | .82333 | 7.6193 | .22178 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3088.1 | 34540. | 2249.5 | 25.266 | 2373.9 |
| #2 | 3102.4 | 34485. | 2275.1 | 29.077 | 2378.0 |
| #3 | 3099.1 | 34727. | 2285.9 | 25.917 | 2384.4 |

Sample Name: K3602-03      Acquired: 7/1/2019 16:36:33      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-15-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |         |         |         |
|--------|--------|---------|--------|---------|--------|---------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .12046 | .00958  | .11112 | -.00970 | .00906 | 141.06  | .50129  | .01600  |
| Stddev | .00183 | .00170  | .00158 | .00197  | .00134 | .71     | .00233  | .00017  |
| %RSD   | 1.5219 | 17.719  | 1.4184 | 20.258  | 14.795 | .50156  | .46433  | 1.0857  |
| #1     | .12147 | .00794  | .11080 | -.00765 | .00970 | 140.25  | .49877  | .01583  |
| #2     | .11835 | .00947  | .11283 | -.01157 | .00996 | 141.56  | .50336  | .01598  |
| #3     | .12157 | .01133  | .10973 | -.00988 | .00752 | 141.36  | .50174  | .01618  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00032 | 11.065  | .17659 | .11442  | .09038 | 282.34  | 2.8157  | 9.1623  |
| Stddev | .00022 | .019    | .00029 | .00020  | .00032 | .22     | .0006   | .0808   |
| %RSD   | 69.493 | .17429  | .16262 | .17793  | .35188 | .07754  | .02027  | .88153  |
| #1     | .00047 | 11.083  | .17691 | .11451  | .09019 | 282.14  | 2.8164  | 9.1995  |
| #2     | .00042 | 11.045  | .17639 | .11457  | .09020 | 282.30  | 2.8155  | 9.0696  |
| #3     | .00006 | 11.067  | .17645 | .11419  | .09075 | 282.57  | 2.8153  | 9.2177  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664  | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .06413 | -.00591 | .34801 | .49050  | .58721 | 9.3853  | .00264  | -.12765 |
| Stddev | .00084 | .00015  | .00596 | .00163  | .00089 | .0401   | .00007  | .01787  |
| %RSD   | 1.3085 | 2.4750  | 1.7116 | .33239  | .15116 | .42678  | 2.5889  | 13.998  |
| #1     | .06385 | -.00589 | .34467 | .48949  | .58637 | 9.3510  | .00270  | -.11699 |
| #2     | .06347 | -.00606 | .35489 | .48963  | .58814 | 9.4293  | .00266  | -.14828 |
| #3     | .06508 | -.00577 | .34448 | .49238  | .58713 | 9.3755  | .00257  | -.11768 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774  | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | 2.6122 | 2.4191  | .01239 | 1.1295  | .05220 | F 15.15 | -.16828 | <.00000 |
| Stddev | .0114  | .0238   | .00087 | .0035   | .00080 | .04     | .00032  | .10842  |
| %RSD   | .43734 | .98392  | 7.0565 | .31046  | 1.5367 | .2492   | .18785  | 1.4124  |
| #1     | 2.6147 | 2.4383  | .01285 | 1.1332  | .05175 | 15.17   | -.16795 | -7.5589 |
| #2     | 2.6222 | 2.4266  | .01294 | 1.1263  | .05313 | 15.16   | -.16831 | -7.6973 |
| #3     | 2.5998 | 2.3925  | .01138 | 1.1289  | .05173 | 15.10   | -.16858 | -7.7727 |

Sample Name: K3602-03      Acquired: 7/1/2019 16:36:33      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-15-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 98.039 |
| Stddev | .078     |
| %RSD   | .07945   |

|    |        |
|----|--------|
| #1 | 98.105 |
| #2 | 98.058 |
| #3 | 97.953 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3184.3 | 35507. | 2330.9 | 28.018 | 2430.2 |
| Stddev    | 5.4    | 61.    | 13.2   | 1.161  | 1.0    |
| %RSD      | .17048 | .17249 | .56629 | 4.1443 | .04130 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3188.5 | 35440. | 2316.0 | 29.301 | 2430.0 |
| #2 | 3178.2 | 35521. | 2341.2 | 27.040 | 2429.3 |
| #3 | 3186.1 | 35560. | 2335.4 | 27.712 | 2431.2 |

Sample Name: K3539-08      Acquired: 7/1/2019 16:44:56      Type: Unk  
Method: P4-ICP2(v3245)      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    | .01003   | .00382  | .00664   | -.00114 | -.00079 | .23984 | .27092 | .00011 |
| Stddev | .00435   | .00206  | .00165   | .00489  | .00170  | .03244 | .00113 | .00013 |
| %RSD   | 43.404   | 53.770  | 24.916   | 427.16  | 214.34  | 13.525 | .41663 | 112.06 |
| #1     | .00502   | .00615  | .00855   | -.00000 | -.00247 | .27442 | .26963 | .00026 |
| #2     | .01222   | .00224  | .00562   | .00307  | -.00083 | .23502 | .27168 | .00007 |
| #3     | .01286   | .00309  | .00575   | -.00650 | .00092  | .21008 | .27147 | .00001 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00075  | 174.86  | -.00249  | -.00007 | .00374  | .01334 | .17729 | 469.94 |
| Stddev | .00003   | 1.37    | .00040   | .00047  | .00037  | .00093 | .00047 | .89    |
| %RSD   | 3.6897   | .78335  | 16.016   | 650.92  | 9.8263  | 6.9855 | .26606 | .18844 |
| #1     | -.00076  | 176.26  | -.00288  | -.00026 | .00357  | .01435 | .17736 | 470.43 |
| #2     | -.00077  | 174.80  | -.00252  | .00046  | .00349  | .01314 | .17772 | 468.92 |
| #3     | -.00072  | 173.53  | -.00208  | -.00041 | .00416  | .01252 | .17679 | 470.46 |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00529  | -.00060 | F 3311.9 | -.00041 | .04695  | 242.22 | .01503 | 1.6935 |
| Stddev | .00014   | .00022  | 11.8     | .00071  | .00032  | .48    | .00032 | .0175  |
| %RSD   | 2.5834   | 35.903  | .35757   | 172.25  | .67594  | .19645 | 2.1203 | 1.0318 |
| #1     | -.00517  | -.00037 | 3305.1   | -.00124 | .04719  | 242.21 | .01472 | 1.6954 |
| #2     | -.00525  | -.00063 | 3325.6   | -.00001 | .04659  | 242.69 | .01502 | 1.6751 |
| #3     | -.00544  | -.00080 | 3305.0   | .00001  | .04706  | 241.74 | .01536 | 1.7099 |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 437.25 | 4.1075  | -.16051  | -.00859 | .06791  | .2678  | 3.3868 | 8.0208 |
| Stddev | .21      | .0517   | .00048   | .00289  | .00183  | .0041  | .0231  | .3354  |
| %RSD   | .04826   | 1.2598  | .29997   | 33.693  | 2.6891  | 1.517  | .68157 | 4.1817 |
| #1     | 437.06   | 4.1632  | -.16006  | -.01161 | .06835  | .2712  | 3.4104 | 7.9364 |
| #2     | 437.21   | 4.0984  | -.16101  | -.00833 | .06947  | .2633  | 3.3857 | 7.7356 |
| #3     | 437.48   | 4.0609  | -.16044  | -.00584 | .06590  | .2690  | 3.3643 | 8.3903 |

Sample Name: K3539-08      Acquired: 7/1/2019 16:44:56      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.9142 |
| Stddev | .1529  |
| %RSD   | 5.2470 |

|    |        |
|----|--------|
| #1 | 3.0905 |
| #2 | 2.8344 |
| #3 | 2.8177 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2127.1 | 23366. | 1731.5 | 26.906 | 1951.3 |
| Stddev    | 2.5    | 33.    | 11.2   | .528   | .4     |
| %RSD      | .11985 | .14237 | .64801 | 1.9618 | .01811 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2125.9 | 23386. | 1720.5 | 26.485 | 1951.5 |
| #2 | 2125.3 | 23328. | 1731.1 | 26.735 | 1950.9 |
| #3 | 2130.0 | 23385. | 1742.9 | 27.498 | 1951.4 |

Sample Name: CCV06      Acquired: 7/1/2019 16:49:25      Type: Unk  
Method: P4-ICP2(v3245)      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    | 4.9384 | 5.0255 | 4.7649 | 5.0437 | 4.9866 | 9.9564 | 9.8661 | .24934 |
| Stddev | .0234  | .0148  | .0055  | .0189  | .0089  | .0654  | .0889  | .00097 |
| %RSD   | .47488 | .29465 | .11630 | .37478 | .17891 | .65726 | .90111 | .38761 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.9431 | 5.0100 | 4.7585 | 5.0653 | 4.9967 | 9.9305 | 9.8161 | .24972 |
| #2 | 4.9591 | 5.0272 | 4.7681 | 5.0300 | 4.9798 | 10.031 | 9.9687 | .25006 |
| #3 | 4.9129 | 5.0394 | 4.7681 | 5.0359 | 4.9832 | 9.9079 | 9.8133 | .24824 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4262 | 23.950 | .97110 | 2.4366 | 1.2475 | 4.9411 | 2.4751 | 24.033 |
| Stddev | .0047  | .191   | .00181 | .0018  | .0039  | .0060  | .0015  | .040   |
| %RSD   | .19554 | .79725 | .18662 | .07420 | .31190 | .12082 | .06185 | .16759 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4208 | 23.747 | .97314 | 2.4349 | 1.2501 | 4.9479 | 2.4744 | 23.997 |
| #2 | 2.4293 | 23.976 | .97047 | 2.4364 | 1.2493 | 4.9381 | 2.4768 | 24.077 |
| #3 | 2.4287 | 24.126 | .96969 | 2.4385 | 1.2430 | 4.9371 | 2.4740 | 24.025 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4387 | 1.2154 | 26.164 | 2.4363 | 2.4254 | 25.456 | 4.9707 | 4.8740 |
| Stddev | .0019  | .0011  | .279   | .0003  | .0043  | .236   | .0116  | .0508  |
| %RSD   | .07898 | .08719 | 1.0647 | .01078 | .17532 | .92519 | .23415 | 1.0431 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4384 | 1.2146 | 26.263 | 2.4364 | 2.4207 | 25.496 | 4.9789 | 4.8802 |
| #2 | 2.4408 | 1.2150 | 26.379 | 2.4365 | 2.4290 | 25.669 | 4.9758 | 4.9214 |
| #3 | 2.4370 | 1.2166 | 25.849 | 2.4360 | 2.4264 | 25.203 | 4.9574 | 4.8203 |

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0548 | 4.7314 | 4.8769 | 4.8093 | 4.8160 | 5.189  | 5.0910 | F 4.4179 |
| Stddev | .0198  | .0732  | .0054  | .0290  | .0321  | .012   | .0406  | .3214    |
| %RSD   | .39120 | 1.5475 | .11076 | .60274 | .66559 | .2390  | .79823 | 7.2737   |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 5.0661 | 4.7000 | 4.8798 | 4.7882 | 4.7800 | 5.185 | 5.0529 | 4.5740 |
| #2 | 5.0664 | 4.6791 | 4.8802 | 4.7973 | 4.8265 | 5.203 | 5.0861 | 4.0484 |
| #3 | 5.0320 | 4.8151 | 4.8706 | 4.8423 | 4.8415 | 5.179 | 5.1338 | 4.6314 |

Sample Name: CCV06      Acquired: 7/1/2019 16:49:25      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.9731  
Stddev      .3700  
%RSD      18.754

#1      2.0057  
#2      1.5878  
#3      2.3258

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2399.9 | 26853. | 1765.0 | 27.595 | 2434.4 |
| Stddev    | 9.6    | 113.   | 12.0   | .689   | 3.9    |
| %RSD      | .39809 | .42184 | .68235 | 2.4968 | .15869 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2391.1 | 26754. | 1764.3 | 27.147 | 2432.8 |
| #2 | 2398.5 | 26829. | 1777.4 | 27.250 | 2431.5 |
| #3 | 2410.0 | 26976. | 1753.3 | 28.389 | 2438.8 |

Sample Name: CCB06      Acquired: 7/1/2019 16:53:23      Type: Unk  
Method: P4-ICP2(v3245)      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    | .00008 | .00104 | -.00391 | -.00382 | -.00067 | -.00887 | .00206 |
| Stddev | .00134 | .00070 | .00120  | .00256  | .00230  | .01833  | .00043 |
| %RSD   | 1593.5 | 67.507 | 30.610  | 67.184  | 345.67  | 206.81  | 21.014 |

|    |         |        |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|--------|
| #1 | -.00132 | .00184 | -.00354 | -.00146 | .00179  | .00391  | .00179 |
| #2 | .00136  | .00053 | -.00524 | -.00344 | -.00276 | -.02987 | .00255 |
| #3 | .00021  | .00075 | -.00294 | -.00655 | -.00103 | -.00063 | .00182 |

|        |         |        |         |        |        |         |         |
|--------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.00002 | .00009 | -.02886 | .00025 | .00020 | -.00018 | -.00186 |
| Stddev | .00004  | .00004 | .02646  | .00042 | .00019 | .00053  | .00152  |
| %RSD   | 208.25  | 43.944 | 91.674  | 168.33 | 97.508 | 287.96  | 81.741  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00002 | .00004 | -.00653 | .00072  | -.00002 | -.00030 | -.00313 |
| #2 | .00002  | .00011 | -.05808 | -.00008 | .00035  | -.00064 | -.00018 |
| #3 | -.00006 | .00011 | -.02197 | .00011  | .00026  | .00039  | -.00226 |

|        |        |         |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00005 | -.10375 | .00113 | .00057 | .42032 | -.00032 | -.00040 |
| Stddev | .00005 | .03939  | .00039 | .00007 | .01750 | .00013  | .00001  |
| %RSD   | 104.34 | 37.967  | 34.258 | 13.009 | 4.1640 | 40.687  | 1.5160  |

|    |         |         |        |        |        |         |         |
|----|---------|---------|--------|--------|--------|---------|---------|
| #1 | -.00001 | -.11317 | .00151 | .00063 | .43846 | -.00019 | -.00041 |
| #2 | .00009  | -.06050 | .00074 | .00060 | .41897 | -.00045 | -.00041 |
| #3 | .00006  | -.13757 | .00113 | .00049 | .40353 | -.00031 | -.00040 |

|        |        |        |         |          |        |         |         |
|--------|--------|--------|---------|----------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm     | ppm     |
| Avg    | .16281 | .00034 | -.00437 | F .00555 | .00515 | -.00066 | -.00581 |
| Stddev | .03295 | .00006 | .01712  | .00135   | .00285 | .00034  | .00225  |
| %RSD   | 20.239 | 17.507 | 391.46  | 24.262   | 55.345 | 51.952  | 38.681  |

|    |        |        |         |        |        |         |         |
|----|--------|--------|---------|--------|--------|---------|---------|
| #1 | .18015 | .00033 | .01436  | .00613 | .00651 | -.00075 | -.00322 |
| #2 | .18348 | .00028 | -.01921 | .00651 | .00188 | -.00028 | -.00699 |
| #3 | .12481 | .00040 | -.00827 | .00401 | .00707 | -.00094 | -.00723 |



Sample Name: CCB06      Acquired: 7/1/2019 16:53:23      Type: Unk  
 Method: P4-ICP2(v3245)      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       | -.00259 | -.0030 | -.00010 | F 3.4223 | F<.00000 |
| Stddev    | .00146  | .0022  | .00010  | .1963    | .22049   |
| %RSD      | 56.260  | 74.48  | 94.770  | 5.7365   | 142.22   |
| #1        | -.00415 | -.0033 | -.00012 | 3.5485   | .06428   |
| #2        | -.00127 | -.0006 | .00000  | 3.1961   | -.37667  |
| #3        | -.00235 | -.0050 | -.00019 | 3.5224   | -.15269  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2470.4  | 27931. | 1773.4  | 28.685   | 2719.4   |
| Stddev    | 3.4     | 260.   | 10.2    | .811     | 4.8      |
| %RSD      | .13585  | .93225 | .57282  | 2.8259   | .17755   |
| #1        | 2472.5  | 27689. | 1761.8  | 29.043   | 2722.2   |
| #2        | 2466.5  | 28206. | 1778.1  | 29.255   | 2713.8   |
| #3        | 2472.3  | 27898. | 1780.5  | 27.757   | 2722.0   |

Sample Name: K3602-06      Acquired: 7/1/2019 16:57:51      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: GP-6      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |         |         |         |
|--------|--------|---------|--------|---------|--------|---------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .01431 | .00472  | .03439 | -.05695 | .02537 | 229.98  | .74070  | .03903  |
| Stddev | .00284 | .00300  | .00281 | .00607  | .00045 | .46     | .00184  | .00024  |
| %RSD   | 19.876 | 63.563  | 8.1625 | 10.662  | 1.7690 | .20162  | .24890  | .61385  |
| #1     | .01671 | .00731  | .03702 | -.05976 | .02549 | 230.48  | .74173  | .03923  |
| #2     | .01117 | .00143  | .03144 | -.04998 | .02487 | 229.56  | .73857  | .03876  |
| #3     | .01505 | .00541  | .03472 | -.06110 | .02575 | 229.91  | .74180  | .03909  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .01172 | 5.5544  | .19723 | .08070  | .15797 | 501.91  | 1.8601  | 8.0075  |
| Stddev | .00047 | .0440   | .00016 | .00035  | .00249 | .42     | .0019   | .0268   |
| %RSD   | 4.0305 | .79199  | .08144 | .42846  | 1.5787 | .08387  | .10335  | .33511  |
| #1     | .01173 | 5.5769  | .19704 | .08032  | .15633 | 501.63  | 1.8620  | 8.0046  |
| #2     | .01124 | 5.5827  | .19729 | .08077  | .16084 | 502.39  | 1.8600  | 7.9823  |
| #3     | .01218 | 5.5038  | .19735 | .08100  | .15673 | 501.70  | 1.8582  | 8.0357  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664  | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .09678 | -.02780 | 1.8999 | .28603  | .43638 | 7.0155  | .00129  | -.41055 |
| Stddev | .00037 | .00029  | .0073  | .00125  | .00211 | .0242   | .00030  | .01189  |
| %RSD   | .38507 | 1.0278  | .38475 | .43799  | .48407 | .34484  | 22.935  | 2.8966  |
| #1     | .09719 | -.02804 | 1.8993 | .28690  | .43748 | 7.0008  | .00158  | -.39694 |
| #2     | .09645 | -.02786 | 1.9075 | .28659  | .43394 | 7.0023  | .00099  | -.41577 |
| #3     | .09671 | -.02748 | 1.8929 | .28459  | .43771 | 7.0434  | .00131  | -.41894 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774  | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | 1.2077 | 2.9076  | .02223 | 2.7397  | .08241 | F 39.83 | -.42505 | <.00000 |
| Stddev | .0055  | .0352   | .00066 | .0094   | .00260 | .11     | .00065  | .36405  |
| %RSD   | .45777 | 1.2106  | 2.9683 | .34408  | 3.1568 | .2791   | .15185  | 3.1754  |
| #1     | 1.2140 | 2.9351  | .02282 | 2.7424  | .08202 | 39.91   | -.42433 | -11.055 |
| #2     | 1.2052 | 2.9198  | .02236 | 2.7475  | .08518 | 39.70   | -.42524 | -11.589 |
| #3     | 1.2038 | 2.8679  | .02152 | 2.7293  | .08002 | 39.87   | -.42557 | -11.750 |

Sample Name: K3602-06      Acquired: 7/1/2019 16:57:51      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: GP-6      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 179.17  
Stddev      .70  
%RSD      .39037

#1      178.56  
#2      179.03  
#3      179.93

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2972.9 | 33090. | 2209.9 | 27.048 | 2271.4 |
| Stddev    | 7.0    | 80.    | 17.2   | .746   | 7.3    |
| %RSD      | .23427 | .24321 | .78021 | 2.7577 | .32317 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2965.2 | 33004. | 2193.7 | 27.846 | 2264.0 |
| #2 | 2974.5 | 33104. | 2208.1 | 26.928 | 2278.7 |
| #3 | 2978.9 | 33163. | 2228.0 | 26.368 | 2271.6 |

Sample Name: K3158-10      Acquired: 7/1/2019 17:02:19      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-01-062819      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 | -.00003 | .00275 | .00087 | -.00227 | .57770 | .10917 | .00008 |
| Stddev | .00304  | .00005  | .00128 | .00161 | .00174  | .01162 | .00139 | .00003 |
| %RSD   | 516.00  | 140.26  | 46.575 | 184.82 | 76.449  | 2.0119 | 1.2771 | 31.719 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00115  | -.00003 | .00267 | .00260  | -.00416 | .56466 | .11026 | .00007 |
| #2 | .00119  | -.00008 | .00407 | .00058  | -.00074 | .58149 | .10760 | .00011 |
| #3 | -.00410 | .00001  | .00151 | -.00057 | -.00191 | .58696 | .10966 | .00007 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00003 | 88.644 | .00048 | .00846 | .00431 | .41938 | .68189 | 9.7765 |
| Stddev | .00008 | .222   | .00037 | .00045 | .00007 | .00229 | .00210 | .0253  |
| %RSD   | 256.09 | .25025 | 76.926 | 5.3557 | 1.5467 | .54586 | .30844 | .25870 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00001  | 88.864 | .00019 | .00886 | .00438 | .42202 | .68357 | 9.7565 |
| #2 | -.00004 | 88.420 | .00036 | .00854 | .00426 | .41820 | .68257 | 9.7681 |
| #3 | .00012  | 88.648 | .00089 | .00797 | .00427 | .41792 | .67953 | 9.8049 |

|        |        |         |        |         |        |        |         |         |
|--------|--------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00586 | -.00003 | 362.64 | -.00387 | .03066 | 2.5242 | -.00031 | -.00400 |
| Stddev | .00008 | .00060  | 1.08   | .00026  | .00002 | .0747  | .00047  | .03715  |
| %RSD   | 1.4342 | 2203.3  | .29652 | 6.8159  | .06088 | 2.9608 | 151.36  | 929.41  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00588 | -.00043 | 363.47 | -.00416 | .03066 | 2.5662 | .00020  | -.02176 |
| #2 | .00577 | -.00031 | 361.43 | -.00379 | .03063 | 2.4379 | -.00041 | -.02894 |
| #3 | .00594 | .00066  | 363.03 | -.00366 | .03067 | 2.5685 | -.00072 | .03870  |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .44425 | 1.0004 | .00199 | .00921 | -.00402 | .0041  | .25846 | 4.6992 |
| Stddev | .00115 | .0172  | .00027 | .00188 | .00371  | .0028  | .00046 | .2129  |
| %RSD   | .25975 | 1.7149 | 13.666 | 20.436 | 92.279  | 69.46  | .17731 | 4.5311 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .44353 | 1.0021 | .00186 | .01138 | -.00785 | .0072 | .25802 | 4.4759 |
| #2 | .44558 | 1.0167 | .00231 | .00832 | -.00044 | .0019 | .25842 | 4.7218 |
| #3 | .44363 | .98249 | .00181 | .00794 | -.00378 | .0031 | .25893 | 4.9000 |

Sample Name: K3158-10      Acquired: 7/1/2019 17:02:19      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OK-01-062819      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .76652 |
| Stddev | .59034 |
| %RSD   | 77.016 |

|    |        |
|----|--------|
| #1 | .63878 |
| #2 | 1.4103 |
| #3 | .25050 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2363.9 | 26502. | 1795.2 | 28.084 | 2341.2 |
| Stddev    | 7.2    | 82.    | 4.7    | .546   | 5.0    |
| %RSD      | .30506 | .30931 | .26185 | 1.9452 | .21513 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2370.0 | 26407. | 1800.7 | 28.477 | 2343.6 |
| #2 | 2365.7 | 26548. | 1792.5 | 27.460 | 2344.6 |
| #3 | 2356.0 | 26551. | 1792.5 | 28.314 | 2335.4 |

Sample Name: K3158-10DUP      Acquired: 7/1/2019 17:06:44      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-01-062819      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 | -.00165 | .00325 | .00416 | -.00167 | .59393 | .11048 | .00012 |
| Stddev | .00132  | .00122  | .00091 | .00148 | .00152  | .01989 | .00104 | .00006 |
| %RSD   | 152.86  | 73.926  | 28.059 | 35.713 | 90.991  | 3.3482 | .93940 | 49.140 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00238 | -.00041 | .00431 | .00289 | .00005  | .59441 | .10954 | .00019 |
| #2 | -.00018 | -.00169 | .00265 | .00579 | -.00283 | .61358 | .11159 | .00010 |
| #3 | -.00003 | -.00284 | .00280 | .00379 | -.00222 | .57381 | .11031 | .00008 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 90.103 | -.00016 | .00881 | .00508 | .42557 | .69975 | 9.9243 |
| Stddev | .00012  | .294   | .00064  | .00006 | .00020 | .00180 | .00119 | .1080  |
| %RSD   | 167.65  | .32578 | 391.96  | .65048 | 3.9288 | .42217 | .17067 | 1.0881 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00007  | 89.764 | -.00089 | .00886 | .00503 | .42515 | .69960 | 9.8553 |
| #2 | -.00013 | 90.260 | .00026  | .00884 | .00529 | .42754 | .69864 | 9.8687 |
| #3 | -.00014 | 90.285 | .00014  | .00875 | .00490 | .42403 | .70102 | 10.049 |

|        |        |         |        |         |        |        |         |         |
|--------|--------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00524 | -.00006 | 370.55 | -.00329 | .03168 | 2.6181 | -.00032 | -.01358 |
| Stddev | .00040 | .00083  | .69    | .00042  | .00033 | .0174  | .00020  | .03282  |
| %RSD   | 7.6837 | 1385.0  | .18647 | 12.611  | 1.0526 | .66303 | 62.649  | 241.66  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00570 | .00089  | 370.00 | -.00281 | .03161 | 2.6037 | -.00010 | -.00215 |
| #2 | .00498 | -.00062 | 371.33 | -.00355 | .03204 | 2.6132 | -.00037 | -.05058 |
| #3 | .00503 | -.00046 | 370.33 | -.00351 | .03138 | 2.6374 | -.00050 | .01199  |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .45794 | 1.0122 | .00135 | .00883 | -.00474 | .0055  | .26206 | 5.8528 |
| Stddev | .00762 | .0243  | .00111 | .00480 | .00268  | .0024  | .00088 | .2269  |
| %RSD   | 1.6637 | 2.4015 | 81.863 | 54.363 | 56.489  | 44.34  | .33735 | 3.8767 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .44917 | .99618 | .00064 | .01248 | -.00612 | .0074 | .26126 | 5.6706 |
| #2 | .46180 | 1.0401 | .00263 | .00339 | -.00165 | .0063 | .26190 | 6.1070 |
| #3 | .46287 | 1.0002 | .00078 | .01062 | -.00645 | .0028 | .26301 | 5.7809 |

Sample Name: K3158-10DUP      Acquired: 7/1/2019 17:06:44      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-01-062819 Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.0950 |
| Stddev | .2747  |
| %RSD   | 25.090 |

|    |        |
|----|--------|
| #1 | 1.1529 |
| #2 | .79598 |
| #3 | 1.3363 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2288.4 | 25853. | 1754.1 | 26.822 | 2267.0 |
| Stddev    | 2.8    | 7.     | 4.0    | 1.131  | 4.5    |
| %RSD      | .12092 | .02733 | .22580 | 4.2181 | .19643 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2291.0 | 25854. | 1754.5 | 25.799 | 2265.8 |
| #2 | 2288.7 | 25860. | 1757.8 | 26.631 | 2272.0 |
| #3 | 2285.5 | 25846. | 1749.9 | 28.037 | 2263.4 |

Sample Name: K3158-10LX5      Acquired: 7/1/2019 17:11:08      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |         |        |        |        |
|--------|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00059 | .00151 | -.00182 | -.00118 | -.00056 | .14496 | .02341 | .00003 |
| Stddev | .00125 | .00156 | .00083  | .00182  | .00146  | .01682 | .00057 | .00010 |
| %RSD   | 212.85 | 103.08 | 45.712  | 154.55  | 261.92  | 11.600 | 2.4292 | 302.00 |

|    |         |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|---------|--------|--------|---------|
| #1 | .00060  | -.00010 | -.00101 | -.00279 | .00022  | .13324 | .02356 | -.00008 |
| #2 | .00183  | .00163  | -.00179 | .00080  | .00035  | .16423 | .02390 | .00012  |
| #3 | -.00067 | .00302  | -.00268 | -.00156 | -.00225 | .13741 | .02279 | .00006  |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00001 | 19.077 | .00224 | .00164 | .00173 | .09824 | .14925 | 1.9740 |
| Stddev | .00008  | .123   | .00064 | .00025 | .00020 | .00011 | .00033 | .0115  |
| %RSD   | 834.69  | .64284 | 28.602 | 15.001 | 11.714 | .10717 | .22051 | .58048 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00010 | 19.058 | .00217 | .00173 | .00150 | .09815 | .14944 | 1.9854 |
| #2 | .00005  | 19.208 | .00292 | .00182 | .00184 | .09835 | .14944 | 1.9625 |
| #3 | .00002  | 18.965 | .00164 | .00136 | .00186 | .09821 | .14887 | 1.9742 |

|        |        |        |        |         |        |        |         |         |
|--------|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00296 | .00024 | 74.452 | -.00103 | .00961 | .47848 | -.00012 | -.04510 |
| Stddev | .00051 | .00017 | .085   | .00010  | .00013 | .09476 | .00008  | .02029  |
| %RSD   | 17.234 | 71.837 | .11471 | 9.5811  | 1.3974 | 19.804 | 69.789  | 44.988  |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | .00343 | .00010 | 74.502 | -.00095 | .00969 | .55726 | -.00010 | -.06796 |
| #2 | .00241 | .00018 | 74.500 | -.00114 | .00945 | .37333 | -.00005 | -.03812 |
| #3 | .00304 | .00043 | 74.353 | -.00100 | .00968 | .50485 | -.00021 | -.02922 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .08176 | .21313 | -.00043 | .00018 | -.00667 | .0020  | .05469 | 4.3448 |
| Stddev | .00460 | .00481 | .00054  | .00119 | .00125  | .0007  | .00057 | .2262  |
| %RSD   | 5.6267 | 2.2556 | 126.67  | 654.83 | 18.659  | 34.20  | 1.0513 | 5.2063 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | .08454 | .21703 | .00017  | -.00114 | -.00711 | .0028 | .05432 | 4.1098 |
| #2 | .08430 | .21461 | -.00089 | .00052  | -.00527 | .0019 | .05535 | 4.3636 |
| #3 | .07645 | .20776 | -.00057 | .00116  | -.00765 | .0014 | .05440 | 4.5610 |



Sample Name: K3158-10LX5      Acquired: 7/1/2019 17:11:08      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .68735 |
| Stddev | .19693 |
| %RSD   | 28.650 |

|    |        |
|----|--------|
| #1 | .89408 |
| #2 | .50197 |
| #3 | .66598 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2403.1 | 26891. | 1742.0 | 27.743 | 2511.1 |
| Stddev    | 6.4    | 67.    | 17.6   | 1.184  | 6.6    |
| %RSD      | .26829 | .25074 | 1.0127 | 4.2665 | .26256 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2400.5 | 26857. | 1739.9 | 27.445 | 2508.1 |
| #2 | 2410.4 | 26848. | 1725.5 | 29.047 | 2518.7 |
| #3 | 2398.3 | 26969. | 1760.6 | 26.737 | 2506.5 |

Sample Name: K3158-10MS      Acquired: 7/1/2019 17:15:34      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80698 | 1.9996 | .97184 | 2.0869 | .83841 | 2.6642 | .31519 | .20706 | .19997 |
| Stddev | .00521 | .0086  | .00084 | .0032  | .00342 | .0329  | .00197 | .00014 | .00023 |
| %RSD   | .64515 | .43232 | .08688 | .15265 | .40826 | 1.2361 | .62622 | .06911 | .11642 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81168 | 1.9897 | .97214 | 2.0901 | .83623 | 2.6265 | .31291 | .20704 | .19973 |
| #2 | .80138 | 2.0034 | .97088 | 2.0868 | .84235 | 2.6785 | .31640 | .20722 | .19998 |
| #3 | .80788 | 2.0056 | .97248 | 2.0837 | .83665 | 2.6875 | .31625 | .20694 | .20019 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 85.823 | .40974 | .21402 | .31329 | 3.4385 | .84789 | 11.177 | .51663 | .07337 |
| Stddev | .240   | .00163 | .00066 | .00046 | .0093  | .00110 | .203   | .00177 | .00153 |
| %RSD   | .27993 | .39855 | .30612 | .14829 | .27044 | .12956 | 1.8179 | .34242 | 2.0851 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 85.547 | .40910 | .21345 | .31323 | 3.4299 | .84874 | 10.955 | .51549 | .07166 |
| #2 | 85.930 | .41160 | .21388 | .31379 | 3.4372 | .84665 | 11.221 | .51573 | .07386 |
| #3 | 85.990 | .40853 | .21473 | .31286 | 3.4484 | .84828 | 11.354 | .51866 | .07460 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 341.77 | .31410 | .23879 | 13.246 | .43613 | .29918 | .40248 | 1.8167 | .74081 |
| Stddev | 2.90   | .00052 | .00038 | .149   | .00052 | .02751 | .00626 | .0039  | .00075 |
| %RSD   | .84872 | .16462 | .16103 | 1.1275 | .11983 | 9.1938 | 1.5544 | .21711 | .10172 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 338.98 | .31352 | .23839 | 13.093 | .43663 | .32960 | .40695 | 1.8130 | .74168 |
| #2 | 341.54 | .31452 | .23881 | 13.254 | .43558 | .29190 | .39533 | 1.8161 | .74044 |
| #3 | 344.77 | .31425 | .23916 | 13.392 | .43618 | .27605 | .40517 | 1.8209 | .74032 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21431 | .21019 | 6.785  | .49713 | 6.6036 | 1.0489 |
| Stddev | .00264 | .00069 | .012   | .00104 | .3265  | .4444  |
| %RSD   | 1.2312 | .32823 | .1693  | .20968 | 4.9443 | 42.369 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .21732 | .21082 | 6.795 | .49635 | 6.6901 | .55446 |
| #2 | .21320 | .21029 | 6.773 | .49831 | 6.8781 | 1.4151 |
| #3 | .21241 | .20945 | 6.789 | .49672 | 6.2425 | 1.1771 |

Sample Name: K3158-10MS      Acquired: 7/1/2019 17:15:34      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OK-01-062819 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       | 2274.5 | 25674. | 1702.8 | 27.634 | 2274.4 |
| Stddev    | 8.8    | 36.    | 9.0    | .883   | 5.1    |
| %RSD      | .38710 | .13968 | .53065 | 3.1940 | .22403 |
| #1        | 2268.1 | 25681. | 1692.5 | 28.256 | 2270.9 |
| #2        | 2270.8 | 25706. | 1706.8 | 26.624 | 2272.0 |
| #3        | 2284.5 | 25635. | 1709.2 | 28.022 | 2280.2 |

Sample Name: K3158-10MSD      Acquired: 7/1/2019 17:19:41      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80805 | 2.0039 | .97726 | 2.0936 | .83909 | 2.6998 | .31548 | .20789 | .20139 |
| Stddev | .00541 | .0048  | .00057 | .0065  | .00215 | .0604  | .00144 | .00020 | .00014 |
| %RSD   | .66979 | .23991 | .05864 | .30873 | .25571 | 2.2382 | .45639 | .09393 | .07114 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81424 | 1.9991 | .97792 | 2.0972 | .83662 | 2.7280 | .31407 | .20811 | .20136 |
| #2 | .80564 | 2.0087 | .97685 | 2.0974 | .84017 | 2.6304 | .31543 | .20782 | .20155 |
| #3 | .80426 | 2.0039 | .97702 | 2.0861 | .84049 | 2.7409 | .31695 | .20775 | .20127 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 86.338 | .41254 | .21533 | .31452 | 3.4469 | .85412 | 11.271 | .51777 | .07432 |
| Stddev | .269   | .00203 | .00052 | .00110 | .0106  | .00132 | .135   | .00114 | .00004 |
| %RSD   | .31207 | .49279 | .24111 | .34981 | .30640 | .15431 | 1.1996 | .21957 | .05419 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 86.073 | .41386 | .21473 | .31577 | 3.4536 | .85544 | 11.115 | .51687 | .07433 |
| #2 | 86.612 | .41019 | .21559 | .31411 | 3.4348 | .85280 | 11.337 | .51905 | .07428 |
| #3 | 86.327 | .41355 | .21567 | .31369 | 3.4525 | .85411 | 11.360 | .51741 | .07436 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 343.78 | .31667 | .24015 | 13.316 | .43818 | .29982 | .40806 | 1.8100 | .74496 |
| Stddev | 2.52   | .00030 | .00033 | .196   | .00047 | .01137 | .00645 | .0249  | .00110 |
| %RSD   | .73247 | .09609 | .13699 | 1.4692 | .10682 | 3.7927 | 1.5813 | 1.3780 | .14708 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 342.38 | .31656 | .24050 | 13.175 | .43764 | .30541 | .41291 | 1.8388 | .74415 |
| #2 | 342.29 | .31701 | .24010 | 13.233 | .43842 | .28673 | .40073 | 1.7963 | .74621 |
| #3 | 346.69 | .31643 | .23984 | 13.539 | .43848 | .30731 | .41053 | 1.7949 | .74452 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21642 | .21172 | 6.805  | .49879 | 6.6585 | .57687 |
| Stddev | .00328 | .00453 | .004   | .00128 | .2213  | .45540 |
| %RSD   | 1.5149 | 2.1379 | .0607  | .25661 | 3.3228 | 78.942 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .21428 | .20650 | 6.809 | .49732 | 6.8983 | 1.0826 |
| #2 | .22019 | .21443 | 6.801 | .49965 | 6.6148 | .44888 |
| #3 | .21479 | .21423 | 6.807 | .49940 | 6.4624 | .19917 |

Sample Name: K3158-10MSD      Acquired: 7/1/2019 17:19:41      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OK-01-062819      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       | 2274.0 | 25835. | 1712.2 | 25.883 | 2272.5 |
| Stddev    | 6.3    | 100.   | 6.2    | .785   | 7.0    |
| %RSD      | .27910 | .38841 | .36087 | 3.0343 | .30975 |
| #1        | 2267.4 | 25835. | 1707.8 | 25.103 | 2265.0 |
| #2        | 2280.0 | 25935. | 1709.5 | 26.673 | 2278.9 |
| #3        | 2274.4 | 25734. | 1719.3 | 25.872 | 2273.6 |

Sample Name: K3158-10A      Acquired: 7/1/2019 17:23:48      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80284 | 2.0009 | .97258 | 2.0884 | .83345 | 2.6316 | .31377 | .20710 | .20103 |
| Stddev | .00543 | .0019  | .00334 | .0049  | .00100 | .0289  | .00420 | .00082 | .00055 |
| %RSD   | .67664 | .09534 | .34373 | .23528 | .11962 | 1.0999 | 1.3372 | .39775 | .27585 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80038 | 2.0022 | .96899 | 2.0904 | .83278 | 2.6136 | .31551 | .20804 | .20041 |
| #2 | .80907 | 2.0017 | .97313 | 2.0828 | .83459 | 2.6649 | .31681 | .20674 | .20146 |
| #3 | .79907 | 1.9987 | .97561 | 2.0920 | .83296 | 2.6161 | .30898 | .20652 | .20123 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 86.070 | .41015 | .21416 | .31338 | 3.4294 | .85028 | 11.203 | .51812 | .07312 |
| Stddev | .624   | .00218 | .00065 | .00040 | .0141  | .00241 | .160   | .00126 | .00054 |
| %RSD   | .72445 | .53162 | .30460 | .12635 | .41089 | .28298 | 1.4262 | .24301 | .73534 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 85.617 | .41261 | .21341 | .31384 | 3.4406 | .85121 | 11.025 | .51675 | .07325 |
| #2 | 85.812 | .40939 | .21449 | .31314 | 3.4340 | .85209 | 11.336 | .51923 | .07253 |
| #3 | 86.781 | .40845 | .21459 | .31317 | 3.4135 | .84755 | 11.247 | .51837 | .07358 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 338.33 | .31503 | .23976 | 13.173 | .43723 | .28176 | .40130 | 1.8136 | .74402 |
| Stddev | 2.42   | .00209 | .00039 | .071   | .00066 | .02860 | .00548 | .0279  | .00097 |
| %RSD   | .71383 | .66394 | .16172 | .54183 | .15116 | 10.152 | 1.3659 | 1.5407 | .12988 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 338.89 | .31735 | .23932 | 13.186 | .43739 | .31028 | .39650 | 1.8061 | .74342 |
| #2 | 340.42 | .31449 | .23994 | 13.237 | .43650 | .25307 | .40727 | 1.7902 | .74350 |
| #3 | 335.69 | .31327 | .24003 | 13.096 | .43779 | .28193 | .40013 | 1.8445 | .74513 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21439 | .21231 | 6.802  | .49514 | 6.6634 | .68207 |
| Stddev | .00315 | .00529 | .011   | .00203 | .2164  | .48012 |
| %RSD   | 1.4678 | 2.4896 | .1560  | .40911 | 3.2470 | 70.393 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .21793 | .20681 | 6.812 | .49306 | 6.4227 | .13024 |
| #2 | .21191 | .21276 | 6.791 | .49526 | 6.8417 | .91180 |
| #3 | .21332 | .21735 | 6.803 | .49711 | 6.7258 | 1.0042 |

Sample Name: K3158-10A      Acquired: 7/1/2019 17:23:48      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LCSW      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       | 2298.6 | 26001. | 1712.3 | 26.587 | 2289.0 |
| Stddev    | 2.3    | 116.   | 20.9   | 1.240  | 5.0    |
| %RSD      | .09799 | .44770 | 1.2220 | 4.6645 | .21941 |
| #1        | 2298.8 | 25874. | 1719.5 | 25.768 | 2294.2 |
| #2        | 2300.7 | 26028. | 1728.7 | 28.013 | 2288.5 |
| #3        | 2296.2 | 26102. | 1688.8 | 25.978 | 2284.2 |

Sample Name: K3160-08      Acquired: 7/1/2019 17:27:55      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |        |         |         |
|--------|---------|---------|---------|---------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00231 | .00046  | .00525  | .00128  | .00095  | .22913 | .20861  | .00009  |
| Stddev | .00412  | .00137  | .00087  | .00116  | .00074  | .01133 | .00051  | .00007  |
| %RSD   | 178.34  | 299.18  | 16.553  | 90.330  | 77.423  | 4.9429 | .24588  | 76.334  |
| #1     | -.00493 | .00090  | .00539  | .00033  | .00012  | .21606 | .20864  | .00016  |
| #2     | .00244  | -.00108 | .00432  | .00094  | .00123  | .23591 | .20809  | .00007  |
| #3     | -.00445 | .00156  | .00604  | .00257  | .00152  | .23544 | .20911  | .00003  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00007  | 37.933  | -.00026 | .00810  | .00924  | .05962 | 1.2083  | 9.1648  |
| Stddev | .00004  | .084    | .00120  | .00011  | .00059  | .00058 | .0017   | .0678   |
| %RSD   | 67.069  | .22076  | 464.65  | 1.3656  | 6.3946  | .97704 | .14064  | .73942  |
| #1     | .00002  | 38.020  | -.00160 | .00799  | .00895  | .05899 | 1.2067  | 9.0903  |
| #2     | .00009  | 37.854  | .00009  | .00809  | .00884  | .05973 | 1.2082  | 9.2228  |
| #3     | .00010  | 37.925  | .00073  | .00821  | .00992  | .06014 | 1.2101  | 9.1813  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00410  | .00024  | 373.06  | -.00756 | .06265  | 1.4907 | -.00028 | .00630  |
| Stddev | .00029  | .00056  | .98     | .00039  | .00022  | .0210  | .00015  | .03184  |
| %RSD   | 6.9930  | 236.67  | .26312  | 5.1100  | .35285  | 1.4106 | 53.816  | 505.02  |
| #1     | .00378  | .00088  | 372.86  | -.00714 | .06241  | 1.4701 | -.00011 | -.02482 |
| #2     | .00423  | -.00005 | 374.13  | -.00765 | .06285  | 1.5121 | -.00039 | .00492  |
| #3     | .00431  | -.00012 | 372.20  | -.00790 | .06270  | 1.4900 | -.00036 | .03881  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .42111  | 1.5386  | .00162  | -.00357 | -.00247 | .0003  | .13052  | 5.6964  |
| Stddev | .00406  | .0067   | .00022  | .00349  | .00116  | .0011  | .00055  | .2178   |
| %RSD   | .96382  | .43628  | 13.295  | 97.761  | 47.066  | 322.4  | .42481  | 3.8232  |
| #1     | .42251  | 1.5422  | .00186  | -.00479 | -.00151 | .0014  | .12989  | 5.4450  |
| #2     | .42427  | 1.5428  | .00154  | .00037  | -.00377 | -.0007 | .13077  | 5.8157  |
| #3     | .41653  | 1.5309  | .00145  | -.00627 | -.00214 | .0003  | .13091  | 5.8285  |



Sample Name: K3160-08      Acquired: 7/1/2019 17:27:55      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EO-01-062819      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.2550 |
| Stddev | .3504  |
| %RSD   | 27.921 |

|    |        |
|----|--------|
| #1 | .96630 |
| #2 | 1.1539 |
| #3 | 1.6449 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2304.2 | 25937. | 1732.0 | 27.013 | 2310.7 |
| Stddev    | 2.8    | 131.   | 13.0   | .659   | 5.0    |
| %RSD      | .12349 | .50333 | .74992 | 2.4413 | .21704 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2302.9 | 25835. | 1723.5 | 26.743 | 2307.3 |
| #2 | 2302.3 | 25893. | 1725.4 | 27.765 | 2308.4 |
| #3 | 2307.5 | 26084. | 1746.9 | 26.532 | 2316.5 |

Sample Name: K3160-10      Acquired: 7/1/2019 17:32:19      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00186 | -.00090 | .01197 | .00309 | -.00204 | .31552 | .12799 | .00011 |
| Stddev | .00387  | .00124  | .00103 | .00358 | .00057  | .01844 | .00124 | .00002 |
| %RSD   | 208.07  | 138.13  | 8.6033 | 115.80 | 28.079  | 5.8449 | .97036 | 17.128 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00310 | -.00230 | .01275 | .00028 | -.00142 | .29515 | .12753 | .00011 |
| #2 | -.00496 | -.00044 | .01080 | .00713 | -.00256 | .33108 | .12939 | .00013 |
| #3 | .00248  | .00005  | .01237 | .00187 | -.00214 | .32033 | .12704 | .00009 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00008 | 43.613 | .00002 | .00533 | .01321 | .79472 | .79202 | 8.4963 |
| Stddev | .00007 | .372   | .00022 | .00033 | .00036 | .00612 | .00758 | .0995  |
| %RSD   | 80.160 | .85264 | 1015.0 | 6.1136 | 2.7417 | .77026 | .95694 | 1.1711 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00002 | 43.604 | .00020  | .00501 | .01360 | .80175 | .79459 | 8.3892 |
| #2 | .00016 | 43.246 | .00009  | .00566 | .01315 | .79186 | .79797 | 8.5139 |
| #3 | .00008 | 43.990 | -.00022 | .00533 | .01288 | .79055 | .78349 | 8.5858 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00551 | -.00016 | 329.99 | -.00491 | .04527 | 2.0584 | -.00032 | .00230 |
| Stddev | .00053 | .00049  | 3.47   | .00007  | .00027 | .0558  | .00028  | .01544 |
| %RSD   | 9.5359 | 315.32  | 1.0515 | 1.4944  | .60538 | 2.7095 | 88.071  | 671.77 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00492 | .00026  | 330.37 | -.00499 | .04516 | 2.1182 | -.00064 | -.01022 |
| #2 | .00572 | -.00004 | 333.25 | -.00485 | .04559 | 2.0078 | -.00014 | -.00244 |
| #3 | .00590 | -.00069 | 326.34 | -.00488 | .04508 | 2.0491 | -.00018 | .01955  |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .56330 | 1.1768 | .00071 | -.00113 | -.00290 | -.0012 | .16202 | 5.1524 |
| Stddev | .00184 | .0248  | .00026 | .00293  | .00257  | .0015  | .00099 | .3215  |
| %RSD   | .32620 | 2.1028 | 36.892 | 258.37  | 88.536  | 123.3  | .60909 | 6.2398 |

|    |        |        |        |         |         |        |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|--------|
| #1 | .56508 | 1.1903 | .00041 | -.00392 | -.00054 | -.0026 | .16220 | 4.8977 |
| #2 | .56141 | 1.1483 | .00082 | .00192  | -.00253 | -.0016 | .16095 | 5.5136 |
| #3 | .56341 | 1.1919 | .00090 | -.00140 | -.00564 | .0004  | .16289 | 5.0458 |

Sample Name: K3160-10      Acquired: 7/1/2019 17:32:19      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EO-01-062819      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .93456  
 Stddev      .14738  
 %RSD      15.770

#1      .80184  
 #2      .90868  
 #3      1.0932

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2331.3 | 26341. | 1737.4 | 27.846 | 2334.6 |
| Stddev    | 3.3    | 249.   | 23.2   | .922   | 5.7    |
| %RSD      | .14032 | .94372 | 1.3339 | 3.3115 | .24462 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2334.9 | 26160. | 1718.8 | 28.336 | 2340.9 |
| #2 | 2330.4 | 26238. | 1763.4 | 26.782 | 2330.0 |
| #3 | 2328.5 | 26625. | 1730.0 | 28.420 | 2332.8 |

Sample Name: K3160-12      Acquired: 7/1/2019 17:36:44      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-062819      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00235 | -.00225 | .00463 | .00146 | -.00091 | .26756 | .14113 | .00019 |
| Stddev | .00061  | .00133  | .00107 | .00079 | .00097  | .02037 | .00121 | .00003 |
| %RSD   | 25.899  | 59.084  | 23.077 | 54.433 | 106.16  | 7.6129 | .85456 | 14.005 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00287 | -.00185 | .00376 | .00236 | -.00095 | .28550 | .14027 | .00020 |
| #2 | -.00168 | -.00116 | .00583 | .00109 | -.00185 | .27177 | .14251 | .00021 |
| #3 | -.00252 | -.00373 | .00432 | .00091 | .00008  | .24542 | .14060 | .00016 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00011 | 24.438 | .00035 | .00622 | .01446 | .59482 | .99403 | 3.0772 |
| Stddev | .00006 | .126   | .00010 | .00027 | .00053 | .00131 | .00140 | .0131  |
| %RSD   | 58.572 | .51609 | 28.014 | 4.3433 | 3.6931 | .21983 | .14102 | .42652 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00011 | 24.365 | .00046 | .00596 | .01400 | .59491 | .99520 | 3.0650 |
| #2 | .00004 | 24.583 | .00028 | .00620 | .01433 | .59347 | .99248 | 3.0911 |
| #3 | .00017 | 24.365 | .00031 | .00650 | .01504 | .59608 | .99440 | 3.0755 |

|        |        |        |        |         |        |        |         |         |
|--------|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00512 | .00056 | 319.87 | -.00630 | .04135 | 3.3571 | -.00008 | -.01502 |
| Stddev | .00025 | .00035 | 2.02   | .00093  | .00024 | .0833  | .00030  | .01278  |
| %RSD   | 4.7886 | 62.448 | .63248 | 14.734  | .59032 | 2.4809 | 398.29  | 85.082  |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | .00487 | .00018 | 317.61 | -.00685 | .04163 | 3.2630 | -.00032 | -.00934 |
| #2 | .00536 | .00086 | 321.50 | -.00681 | .04116 | 3.3871 | -.00017 | -.02966 |
| #3 | .00512 | .00064 | 320.51 | -.00522 | .04128 | 3.4213 | .00026  | -.00607 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .33106 | 1.2066 | .00035 | -.00381 | .00208 | .0004  | .12298 | 5.1637 |
| Stddev | .00440 | .0047  | .00093 | .00240  | .00122 | .0021  | .00052 | .0433  |
| %RSD   | 1.3280 | .38627 | 267.76 | 62.969  | 58.675 | 586.6  | .42505 | .83824 |

|    |        |        |         |         |        |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .33595 | 1.2092 | -.00024 | -.00364 | .00086 | -.0021 | .12338 | 5.1193 |
| #2 | .32744 | 1.2094 | -.00014 | -.00150 | .00208 | .0013  | .12317 | 5.2058 |
| #3 | .32978 | 1.2012 | .00142  | -.00629 | .00331 | .0018  | .12239 | 5.1661 |

Sample Name: K3160-12      Acquired: 7/1/2019 17:36:44      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EO-01-062819      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .60514  
 Stddev      .44427  
 %RSD      73.416

#1      .32354  
 #2      1.1173  
 #3      .37459

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2368.0 | 26552. | 1772.7 | 27.256 | 2387.7 |
| Stddev    | 2.9    | 86.    | 18.2   | .393   | 6.0    |
| %RSD      | .12297 | .32264 | 1.0253 | 1.4428 | .25168 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2365.1 | 26557. | 1756.3 | 27.710 | 2381.0 |
| #2 | 2368.0 | 26464. | 1769.6 | 27.040 | 2389.6 |
| #3 | 2370.9 | 26635. | 1792.3 | 27.018 | 2392.5 |

Sample Name: CCV07      Acquired: 7/1/2019 17:41:08      Type: Unk  
Method: P4-ICP2(v3245)      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    | 4.9212 | 5.0101 | 4.7012 | 5.0215 | 4.9421 | 9.9328 | 9.6897 | .24738 |
| Stddev | .0095  | .0078  | .0043  | .0090  | .0045  | .1310  | .0978  | .00020 |
| %RSD   | .19222 | .15603 | .09117 | .17932 | .09103 | 1.3183 | 1.0093 | .08141 |
| #1     | 4.9193 | 5.0073 | 4.7048 | 5.0181 | 4.9408 | 9.7989 | 9.5774 | .24716 |
| #2     | 4.9129 | 5.0189 | 4.7024 | 5.0317 | 4.9470 | 9.9390 | 9.7362 | .24740 |
| #3     | 4.9315 | 5.0041 | 4.6965 | 5.0146 | 4.9383 | 10.061 | 9.7556 | .24756 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4184 | 24.304 | .96642 | 2.4218 | 1.2447 | 4.9019 | 2.4738 | 23.886 |
| Stddev | .0027  | .080   | .00185 | .0029  | .0014  | .0089  | .0061  | .293   |
| %RSD   | .11368 | .33075 | .19173 | .11812 | .11349 | .18223 | .24708 | 1.2275 |
| #1     | 2.4190 | 24.246 | .96481 | 2.4218 | 1.2452 | 4.8988 | 2.4667 | 23.564 |
| #2     | 2.4208 | 24.271 | .96601 | 2.4247 | 1.2458 | 4.8950 | 2.4777 | 23.957 |
| #3     | 2.4154 | 24.396 | .96845 | 2.4190 | 1.2431 | 4.9120 | 2.4768 | 24.138 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4334 | 1.2129 | 24.106 | 2.4389 | 2.4147 | 24.325 | 4.9985 | 4.8303 |
| Stddev | .0012  | .0032  | .238   | .0024  | .0053  | .266   | .0045  | .0729  |
| %RSD   | .05021 | .26292 | .98586 | .09753 | .21945 | 1.0927 | .09042 | 1.5095 |
| #1     | 2.4342 | 1.2101 | 23.831 | 2.4373 | 2.4166 | 24.018 | 4.9957 | 4.7470 |
| #2     | 2.4340 | 1.2122 | 24.230 | 2.4377 | 2.4188 | 24.480 | 5.0038 | 4.8617 |
| #3     | 2.4320 | 1.2163 | 24.255 | 2.4416 | 2.4087 | 24.477 | 4.9961 | 4.8823 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9848 | 4.7264 | 4.8845 | 4.8000 | 4.8303 | 5.164  | 5.0799 | 5.2117 |
| Stddev | .0134  | .0503  | .0072  | .0069  | .0045  | .009   | .0045  | .2945  |
| %RSD   | .26863 | 1.0641 | .14750 | .14464 | .09238 | .1814  | .08831 | 5.6517 |
| #1     | 4.9985 | 4.7845 | 4.8809 | 4.8023 | 4.8274 | 5.153  | 5.0846 | 4.8734 |
| #2     | 4.9840 | 4.6978 | 4.8928 | 4.8055 | 4.8280 | 5.171  | 5.0794 | 5.4112 |
| #3     | 4.9718 | 4.6969 | 4.8798 | 4.7922 | 4.8354 | 5.167  | 5.0756 | 5.3504 |

Sample Name: CCV07      Acquired: 7/1/2019 17:41:08      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.2352  
Stddev      .2318  
%RSD      10.369

#1      2.3169  
#2      2.4150  
#3      1.9736

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2407.3 | 27141. | 1758.3 | 27.612 | 2445.0 |
| Stddev    | 2.1    | 58.    | 14.4   | .448   | 3.9    |
| %RSD      | .08820 | .21305 | .82137 | 1.6241 | .16142 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2406.9 | 27204. | 1742.0 | 27.286 | 2442.3 |
| #2 | 2405.4 | 27092. | 1763.5 | 28.123 | 2443.1 |
| #3 | 2409.6 | 27126. | 1769.5 | 27.426 | 2449.5 |

Sample Name: CCB07      Acquired: 7/1/2019 17:45:06      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00012  | .00117  | -.00436 | -.00577 | -.00214 | -.00028 | .00184  | -.00002  |
| Stddev | .00232  | .00176  | .00026  | .00156  | .00122  | .01133  | .00034  | .00005   |
| %RSD   | 1952.0  | 149.72  | 6.0750  | 27.078  | 57.151  | 4013.5  | 18.306  | 246.50   |
| #1     | .00279  | -.00081 | -.00412 | -.00469 | -.00081 | -.01033 | .00163  | .00002   |
| #2     | -.00106 | .00254  | -.00431 | -.00506 | -.00322 | .01200  | .00222  | -.00001  |
| #3     | -.00138 | .00179  | -.00464 | -.00757 | -.00239 | -.00252 | .00165  | -.00007  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00001  | -.02651 | .00001  | .00024  | .00023  | -.00238 | -.00006 | -.08857  |
| Stddev | .00006  | .00541  | .00023  | .00024  | .00025  | .00016  | .00009  | .01101   |
| %RSD   | 730.18  | 20.386  | 3188.2  | 99.670  | 108.86  | 6.8771  | 131.35  | 12.436   |
| #1     | -.00006 | -.02948 | .00018  | .00050  | .00046  | -.00224 | -.00016 | -.09188  |
| #2     | .00005  | -.02979 | -.00025 | .00020  | .00024  | -.00235 | -.00000 | -.07627  |
| #3     | .00003  | -.02028 | .00008  | .00003  | -.00003 | -.00256 | -.00003 | -.09754  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00081  | -.00024 | -.04408 | -.00064 | -.00049 | -.09524 | .00067  | -.00279  |
| Stddev | .00010  | .00027  | .01364  | .00086  | .00006  | .06191  | .00015  | .00840   |
| %RSD   | 11.809  | 111.24  | 30.955  | 134.75  | 12.571  | 65.010  | 22.303  | 301.11   |
| #1     | .00091  | -.00026 | -.05932 | .00032  | -.00047 | -.07369 | .00074  | -.01213  |
| #2     | .00073  | -.00050 | -.03302 | -.00089 | -.00045 | -.16505 | .00050  | -.00035  |
| #3     | .00077  | .00004  | -.03989 | -.00134 | -.00056 | -.04698 | .00076  | .00412   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00560 | .00409  | -.00062 | -.00271 | -.00536 | -.0022  | .00001  | F 3.7896 |
| Stddev | .00149  | .00049  | .00047  | .00504  | .00149  | .0019   | .00024  | .3045    |
| %RSD   | 26.645  | 11.853  | 75.899  | 186.14  | 27.733  | 85.69   | 1727.9  | 8.0359   |
| #1     | -.00388 | .00454  | -.00027 | -.00827 | -.00601 | -.0043  | .00011  | 4.1097   |
| #2     | -.00647 | .00357  | -.00043 | -.00139 | -.00366 | -.0012  | -.00026 | 3.7556   |
| #3     | -.00645 | .00417  | -.00115 | .00154  | -.00640 | -.0010  | .00020  | 3.5035   |



Sample Name: CCB07      Acquired: 7/1/2019 17:45:06      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .58985 |
| Stddev | .10560   |
| %RSD   | 17.904   |

|    |        |
|----|--------|
| #1 | .69244 |
| #2 | .59563 |
| #3 | .48147 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2463.7 | 27582. | 1754.0 | 29.483 | 2705.8 |
| Stddev    | 5.8    | 78.    | 4.0    | 1.156  | 5.0    |
| %RSD      | .23652 | .28132 | .22760 | 3.9206 | .18553 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2456.9 | 27599. | 1752.6 | 28.361 | 2700.0 |
| #2 | 2467.0 | 27497. | 1758.5 | 29.418 | 2709.0 |
| #3 | 2467.1 | 27649. | 1750.9 | 30.670 | 2708.4 |

Sample Name: K3329-02      Acquired: 7/1/2019 17:49:34      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: WASTE      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00091 | .00107 | .06870 | .00110 | -.00105 | .18981 | .32837 | .00001 |
| Stddev | .00280 | .00123 | .00026 | .00163 | .00057  | .03951 | .00038 | .00005 |
| %RSD   | 306.40 | 114.48 | .37726 | 147.48 | 53.616  | 20.814 | .11509 | 413.76 |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | .00365  | .00171  | .06896 | .00045  | -.00040 | .15046 | .32799 | .00005  |
| #2 | .00104  | .00185  | .06844 | -.00009 | -.00134 | .18949 | .32874 | -.00005 |
| #3 | -.00195 | -.00034 | .06870 | .00296  | -.00142 | .22947 | .32836 | .00003  |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00107 | 61.317 | -.00070 | .01032 | .00653 | .01141 | 1.6669 | 9.9000 |
| Stddev | .00014 | .200   | .00040  | .00011 | .00021 | .00093 | .0015  | .0525  |
| %RSD   | 13.114 | .32583 | 57.584  | 1.1050 | 3.1640 | 8.1247 | .09142 | .53079 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00095 | 61.271 | -.00024 | .01043 | .00668 | .01212 | 1.6653 | 9.9395 |
| #2 | .00122 | 61.144 | -.00101 | .01033 | .00629 | .01175 | 1.6669 | 9.8403 |
| #3 | .00103 | 61.536 | -.00084 | .01020 | .00662 | .01036 | 1.6684 | 9.9200 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00356 | .00035 | 344.72 | -.01051 | .12438 | 1.5326 | -.00004 | .07006 |
| Stddev | .00024 | .00009 | .98    | .00054  | .00096 | .0267  | .00032  | .00907 |
| %RSD   | 6.8769 | 24.591 | .28438 | 5.1594  | .77240 | 1.7407 | 748.24  | 12.942 |

|    |        |        |        |         |        |        |         |        |
|----|--------|--------|--------|---------|--------|--------|---------|--------|
| #1 | .00328 | .00037 | 343.67 | -.01072 | .12530 | 1.5193 | -.00004 | .06121 |
| #2 | .00365 | .00025 | 345.61 | -.01091 | .12445 | 1.5634 | -.00037 | .06965 |
| #3 | .00375 | .00042 | 344.88 | -.00989 | .12338 | 1.5153 | .00028  | .07933 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .55806 | 1.6427 | .00133 | -.00421 | -.00358 | .0044  | .30734 | 5.8404 |
| Stddev | .00386 | .0010  | .00063 | .00226  | .00047  | .0019  | .00125 | .0967  |
| %RSD   | .69195 | .06148 | 47.607 | 53.689  | 13.072  | 42.67  | .40586 | 1.6552 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .56237 | 1.6430 | .00070 | -.00595 | -.00370 | .0045 | .30743 | 5.9335 |
| #2 | .55690 | 1.6416 | .00196 | -.00502 | -.00398 | .0025 | .30604 | 5.7405 |
| #3 | .55492 | 1.6435 | .00132 | -.00166 | -.00307 | .0062 | .30853 | 5.8472 |

Sample Name: K3329-02      Acquired: 7/1/2019 17:49:34      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: WASTE      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.3998  
 Stddev      .1195  
 %RSD      8.5376

#1      1.5331  
 #2      1.3021  
 #3      1.3643

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2315.6 | 25791. | 1717.1 | 27.593 | 2330.8 |
| Stddev    | 14.2   | 104.   | 9.5    | .068   | 17.4   |
| %RSD      | .61503 | .40430 | .55496 | .24551 | .74858 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2307.9 | 25686. | 1712.5 | 27.574 | 2317.4 |
| #2 | 2306.9 | 25792. | 1728.1 | 27.536 | 2324.4 |
| #3 | 2332.0 | 25894. | 1710.9 | 27.668 | 2350.5 |

Sample Name: K3580-11      Acquired: 7/1/2019 17:53:58      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-11-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |        |        |        |
|--------|---------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00308 | -.00112 | -.00060 | -.00114 | -.00007 | .08249 | .21915 | .00003 |
| Stddev | .00557  | .00038  | .00091  | .00308  | .00143  | .00528 | .00223 | .00008 |
| %RSD   | 181.01  | 34.109  | 151.99  | 270.99  | 2030.5  | 6.3961 | 1.0157 | 311.48 |

|    |         |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|---------|--------|--------|---------|
| #1 | -.00162 | -.00149 | .00032  | -.00357 | .00116  | .08652 | .22047 | .00001  |
| #2 | -.00922 | -.00073 | -.00150 | .00232  | .00027  | .07652 | .21658 | .00012  |
| #3 | .00162  | -.00115 | -.00061 | -.00216 | -.00165 | .08445 | .22040 | -.00005 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 7.8361 | .00101 | -.00018 | .00064 | .01654 | .02202 | 1.2047 |
| Stddev | .00010  | .0047  | .00033 | .00018  | .00051 | .00096 | .00023 | .0795  |
| %RSD   | 216.59  | .06017 | 32.580 | 103.24  | 80.739 | 5.8140 | 1.0317 | 6.5975 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00007 | 7.8412 | .00129 | -.00033 | .00007 | .01545 | .02176 | 1.2050 |
| #2 | .00006  | 7.8352 | .00065 | -.00022 | .00076 | .01696 | .02214 | 1.2841 |
| #3 | -.00013 | 7.8318 | .00110 | .00002  | .00108 | .01723 | .02217 | 1.1251 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00303 | .00013 | 315.91 | .00007 | .06749 | .66732 | -.00025 | .02467 |
| Stddev | .00029 | .00032 | .65    | .00037 | .00079 | .06746 | .00031  | .02235 |
| %RSD   | 9.6584 | 246.06 | .20541 | 536.91 | 1.1741 | 10.109 | 123.79  | 90.608 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00331 | .00000  | 316.39 | .00031  | .06658 | .59296 | -.00047 | .00997 |
| #2 | .00273 | .00050  | 315.17 | -.00036 | .06781 | .68443 | .00010  | .01365 |
| #3 | .00305 | -.00011 | 316.16 | .00026  | .06807 | .72459 | -.00038 | .05039 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .16414 | 1.0211 | .00100 | -.00281 | -.00520 | .0013  | .06121 | 5.5192 |
| Stddev | .00712 | .0098  | .00021 | .00182  | .00187  | .0031  | .00041 | .1077  |
| %RSD   | 4.3368 | .96034 | 21.162 | 64.846  | 36.008  | 236.7  | .66388 | 1.9514 |

|    |        |        |        |         |         |        |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|--------|
| #1 | .17224 | 1.0253 | .00088 | -.00490 | -.00715 | -.0006 | .06089 | 5.3958 |
| #2 | .16129 | 1.0280 | .00088 | -.00171 | -.00503 | -.0004 | .06167 | 5.5942 |
| #3 | .15888 | 1.0099 | .00125 | -.00180 | -.00342 | .0049  | .06108 | 5.5676 |

Sample Name: K3580-11      Acquired: 7/1/2019 17:53:58      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-11-COMP      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .80870  
 Stddev      .41693  
 %RSD      51.556

#1      .43505  
 #2      .73261  
 #3      1.2584

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2317.6 | 26121. | 1736.2 | 27.676 | 2358.1 |
| Stddev    | 3.9    | 47.    | 4.7    | 1.412  | 1.0    |
| %RSD      | .16945 | .18151 | .26935 | 5.1022 | .04269 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2317.7 | 26075. | 1737.9 | 28.359 | 2357.0 |
| #2 | 2313.6 | 26170. | 1730.9 | 28.616 | 2359.0 |
| #3 | 2321.4 | 26117. | 1739.7 | 26.052 | 2358.4 |

Sample Name: K3580-12      Acquired: 7/1/2019 17:58:24      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-12-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |        |        |        |
|--------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00045 | -.00150 | -.00217 | .00131 | -.00173 | .08124 | .28336 | .00001 |
| Stddev | .00293  | .00102  | .00123  | .00248 | .00281  | .00529 | .00138 | .00002 |
| %RSD   | 655.81  | 67.953  | 56.717  | 188.65 | 162.07  | 6.5109 | .48757 | 140.09 |

|    |         |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|---------|--------|--------|---------|
| #1 | -.00058 | -.00226 | -.00215 | .00239  | -.00415 | .08251 | .28206 | .00003  |
| #2 | -.00331 | -.00034 | -.00094 | -.00152 | -.00240 | .07543 | .28321 | .00001  |
| #3 | .00254  | -.00188 | -.00340 | .00307  | .00135  | .08578 | .28481 | -.00001 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00009 | 10.152 | .00094 | .00007 | .00056 | .00126 | .01692 | 2.1146 |
| Stddev | .00006  | .046   | .00018 | .00036 | .00051 | .00063 | .00034 | .0479  |
| %RSD   | 66.200  | .45556 | 18.843 | 496.26 | 90.961 | 49.998 | 2.0364 | 2.2637 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00016 | 10.117 | .00098 | .00001  | .00107 | .00056 | .01727 | 2.1477 |
| #2 | -.00006 | 10.134 | .00075 | .00045  | .00004 | .00178 | .01692 | 2.0597 |
| #3 | -.00005 | 10.204 | .00109 | -.00025 | .00058 | .00146 | .01658 | 2.1364 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00896 | .00065 | 349.75 | -.00042 | .07955 | .92283 | -.00021 | .03240 |
| Stddev | .00046 | .00002 | .92    | .00027  | .00021 | .03421 | .00022  | .00616 |
| %RSD   | 5.1844 | 2.9571 | .26179 | 64.471  | .25948 | 3.7075 | 101.95  | 19.023 |

|    |        |        |        |         |        |        |         |        |
|----|--------|--------|--------|---------|--------|--------|---------|--------|
| #1 | .00868 | .00063 | 349.42 | -.00022 | .07933 | .90304 | -.00032 | .02592 |
| #2 | .00869 | .00065 | 350.79 | -.00032 | .07973 | .90311 | -.00036 | .03818 |
| #3 | .00949 | .00067 | 349.05 | -.00073 | .07960 | .96234 | .00004  | .03310 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .19830 | 1.0037 | .00019 | -.00292 | -.00006 | .0002  | .06061 | 5.7215 |
| Stddev | .00403 | .0098  | .00032 | .00197  | .00377  | .0009  | .00006 | .4028  |
| %RSD   | 2.0311 | .97175 | 163.29 | 67.526  | 6786.8  | 511.7  | .09636 | 7.0396 |

|    |        |        |         |         |         |        |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|--------|
| #1 | .19471 | 1.0101 | .00022  | -.00431 | -.00441 | -.0008 | .06067 | 5.4726 |
| #2 | .19753 | 1.0085 | -.00013 | -.00379 | .00216  | .0008  | .06061 | 5.5057 |
| #3 | .20266 | .99246 | .00050  | -.00066 | .00209  | .0006  | .06056 | 6.1862 |

Sample Name: K3580-12      Acquired: 7/1/2019 17:58:24      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-12-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .86034 |
| Stddev | .20550 |
| %RSD   | 23.886 |

|    |        |
|----|--------|
| #1 | .70331 |
| #2 | .78478 |
| #3 | 1.0929 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2315.4 | 26041. | 1730.5 | 28.153 | 2341.3 |
| Stddev    | 6.3    | 75.    | 2.6    | .906   | 7.3    |
| %RSD      | .27302 | .28824 | .14961 | 3.2196 | .31291 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2308.4 | 25959. | 1730.9 | 27.323 | 2332.9 |
| #2 | 2320.5 | 26056. | 1727.7 | 29.120 | 2346.7 |
| #3 | 2317.4 | 26107. | 1732.8 | 28.014 | 2344.1 |

Sample Name: K3580-13      Acquired: 7/1/2019 18:02:51      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-13-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |        |        |        |
|--------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00506 | -.00194 | -.00155 | .00055 | -.00030 | .07103 | .31905 | .00009 |
| Stddev | .00332  | .00168  | .00067  | .00111 | .00122  | .01162 | .00278 | .00005 |
| %RSD   | 65.637  | 86.615  | 43.439  | 199.95 | 402.83  | 16.362 | .87184 | 52.467 |

|    |         |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00151 | -.00151 | -.00157 | .00149  | .00110  | .07717 | .31965 | .00010 |
| #2 | -.00809 | -.00379 | -.00086 | -.00067 | -.00086 | .07828 | .31601 | .00004 |
| #3 | -.00558 | -.00052 | -.00221 | .00085  | -.00116 | .05762 | .32148 | .00012 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 9.2212 | .00124 | .00010 | .00091 | .00511 | .09026 | 2.0075 |
| Stddev | .00006  | .0318  | .00032 | .00020 | .00027 | .00083 | .00017 | .0627  |
| %RSD   | 79.494  | .34493 | 25.767 | 204.55 | 29.562 | 16.323 | .19040 | 3.1232 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00012 | 9.2005 | .00088 | .00015  | .00079 | .00456 | .09020 | 2.0261 |
| #2 | -.00001 | 9.2053 | .00138 | -.00013 | .00121 | .00470 | .09045 | 1.9376 |
| #3 | -.00008 | 9.2578 | .00147 | .00027  | .00072 | .00607 | .09012 | 2.0587 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .02386 | .00016 | 333.90 | -.00087 | .09113 | 1.4291 | -.00021 | .02687 |
| Stddev | .00030 | .00036 | 1.13   | .00051  | .00043 | .0612  | .00015  | .03573 |
| %RSD   | 1.2735 | 224.32 | .33936 | 58.259  | .47520 | 4.2827 | 74.283  | 132.96 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .02416 | -.00018 | 332.99 | -.00065 | .09163 | 1.3662 | -.00003 | .00351 |
| #2 | .02386 | .00054  | 333.54 | -.00051 | .09097 | 1.4884 | -.00032 | .00910 |
| #3 | .02355 | .00013  | 335.17 | -.00145 | .09081 | 1.4326 | -.00027 | .06800 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .22258 | 1.0236 | .00052 | -.00223 | -.00554 | .0030  | .05327 | 5.6275 |
| Stddev | .01017 | .0023  | .00026 | .00114  | .00195  | .0016  | .00042 | .2778  |
| %RSD   | 4.5705 | .22618 | 49.851 | 51.011  | 35.194  | 54.20  | .79189 | 4.9373 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .21091 | 1.0247 | .00022 | -.00349 | -.00330 | .0012 | .05294 | 5.9163 |
| #2 | .22959 | 1.0251 | .00069 | -.00129 | -.00648 | .0035 | .05313 | 5.3621 |
| #3 | .22723 | 1.0209 | .00064 | -.00191 | -.00684 | .0043 | .05375 | 5.6042 |



Sample Name: K3580-13      Acquired: 7/1/2019 18:02:51      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-13-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .90256 |
| Stddev | .40638 |
| %RSD   | 45.025 |

|    |        |
|----|--------|
| #1 | .92511 |
| #2 | .48538 |
| #3 | 1.2972 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2330.2 | 26183. | 1742.7 | 27.974 | 2370.5 |
| Stddev    | 13.1   | 62.    | .7     | .430   | 13.7   |
| %RSD      | .56218 | .23718 | .04009 | 1.5378 | .57816 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2315.2 | 26204. | 1743.0 | 27.487 | 2354.8 |
| #2 | 2339.2 | 26231. | 1741.9 | 28.304 | 2377.2 |
| #3 | 2336.2 | 26113. | 1743.2 | 28.131 | 2379.6 |

Sample Name: K3580-14      Acquired: 7/1/2019 18:07:16      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-14-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00248 | -.00123 | .00178 | .00051 | -.00027 | .10090 | .28943 | .00008 |
| Stddev | .00173  | .00143  | .00058 | .00474 | .00063  | .04203 | .00274 | .00006 |
| %RSD   | 69.551  | 115.92  | 32.630 | 924.34 | 230.43  | 41.661 | .94524 | 78.290 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | -.00076 | -.00178 | .00111 | .00420  | .00044  | .14202 | .29148 | .00002 |
| #2 | -.00422 | -.00230 | .00216 | .00217  | -.00053 | .05801 | .28632 | .00015 |
| #3 | -.00246 | .00039  | .00206 | -.00483 | -.00073 | .10266 | .29049 | .00008 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | 11.987 | .00199 | -.00007 | .00156 | .00458 | .11779 | 3.1187 |
| Stddev | .00002  | .091   | .00045 | .00023  | .00050 | .00030 | .00051 | .0374  |
| %RSD   | 74.494  | .76249 | 22.547 | 310.20  | 32.261 | 6.4611 | .43666 | 1.1980 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00004 | 11.938 | .00177 | .00007  | .00101 | .00491 | .11834 | 3.1617 |
| #2 | -.00005 | 12.092 | .00169 | .00005  | .00168 | .00435 | .11732 | 3.1004 |
| #3 | -.00001 | 11.930 | .00250 | -.00034 | .00200 | .00447 | .11772 | 3.0941 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .02614 | .00015 | 371.35 | -.00057 | .08541 | .87670 | -.00014 | .02227 |
| Stddev | .00023 | .00106 | 2.22   | .00009  | .00015 | .04637 | .00015  | .01358 |
| %RSD   | .87943 | 688.63 | .59745 | 15.223  | .17449 | 5.2895 | 103.08  | 60.969 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .02639 | .00138  | 371.98 | -.00064 | .08527 | .92990 | .00002  | .01123 |
| #2 | .02610 | -.00047 | 368.89 | -.00060 | .08557 | .84481 | -.00026 | .01815 |
| #3 | .02594 | -.00045 | 373.19 | -.00047 | .08540 | .85540 | -.00018 | .03743 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .18708 | 1.2909 | .00075 | -.00136 | -.00177 | .0036  | .05601 | 6.5092 |
| Stddev | .00346 | .0088  | .00056 | .00192  | .00172  | .0017  | .00052 | .1701  |
| %RSD   | 1.8491 | .68459 | 75.138 | 141.02  | 97.129  | 48.96  | .93432 | 2.6124 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .18369 | 1.2834 | .00125 | -.00331 | -.00338 | .0030 | .05574 | 6.3135 |
| #2 | .18693 | 1.3007 | .00085 | -.00129 | .00004  | .0055 | .05661 | 6.5942 |
| #3 | .19061 | 1.2887 | .00014 | .00052  | -.00198 | .0021 | .05567 | 6.6201 |

Sample Name: K3580-14      Acquired: 7/1/2019 18:07:16      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-14-COMP      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .56132 |
| Stddev | .38133 |
| %RSD   | 67.935 |

|    |        |
|----|--------|
| #1 | 1.0009 |
| #2 | .36434 |
| #3 | .31877 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2273.6 | 25500. | 1700.1 | 27.763 | 2298.6 |
| Stddev    | 4.5    | 130.   | 14.9   | 2.016  | 4.1    |
| %RSD      | .19904 | .50797 | .87488 | 7.2603 | .17669 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2268.4 | 25437. | 1708.8 | 29.819 | 2293.9 |
| #2 | 2276.8 | 25649. | 1683.0 | 27.681 | 2301.3 |
| #3 | 2275.6 | 25414. | 1708.7 | 25.790 | 2300.5 |

Sample Name: K3580-15      Acquired: 7/1/2019 18:11:40      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-15-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |        |         |        |        |        |
|--------|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00060 | -.00113 | -.00236 | .00114 | -.00050 | .08316 | .29057 | .00009 |
| Stddev | .00371 | .00051  | .00047  | .00298 | .00152  | .00567 | .00313 | .00005 |
| %RSD   | 623.31 | 45.287  | 19.801  | 261.17 | 303.24  | 6.8164 | 1.0771 | 55.923 |

|    |         |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|--------|
| #1 | .00401  | -.00054 | -.00203 | .00198  | -.00019 | .08375 | .28864 | .00012 |
| #2 | .00112  | -.00146 | -.00214 | -.00217 | .00084  | .07721 | .28890 | .00011 |
| #3 | -.00335 | -.00140 | -.00289 | .00361  | -.00216 | .08850 | .29418 | .00003 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00015 | 18.888 | .00142 | .00009 | .00083 | .00241 | .01911 | 1.5081 |
| Stddev | .00012  | .051   | .00045 | .00005 | .00063 | .00053 | .00006 | .0357  |
| %RSD   | 75.181  | .26933 | 32.032 | 57.378 | 76.625 | 21.778 | .30835 | 2.3685 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00029 | 18.840 | .00183 | .00012 | .00113 | .00235 | .01906 | 1.5431 |
| #2 | -.00007 | 18.882 | .00148 | .00012 | .00010 | .00192 | .01918 | 1.5096 |
| #3 | -.00011 | 18.942 | .00093 | .00003 | .00126 | .00296 | .01909 | 1.4717 |

|        |        |        |        |         |        |        |         |         |
|--------|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .02783 | .00035 | 358.74 | -.00061 | .09377 | 1.5778 | -.00028 | -.01408 |
| Stddev | .00016 | .00047 | 1.91   | .00010  | .00059 | .0644  | .00008  | .00417  |
| %RSD   | .55999 | 132.00 | .53271 | 16.424  | .63092 | 4.0783 | 27.506  | 29.639  |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | .02771 | .00008 | 357.39 | -.00059 | .09433 | 1.5191 | -.00030 | -.01788 |
| #2 | .02777 | .00009 | 357.90 | -.00072 | .09315 | 1.5679 | -.00033 | -.01475 |
| #3 | .02801 | .00089 | 360.92 | -.00052 | .09384 | 1.6466 | -.00019 | -.00961 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .38319 | 2.0222 | .00015 | -.00211 | -.00204 | .0038  | .22159 | 5.7180 |
| Stddev | .00951 | .0189  | .00037 | .00362  | .00089  | .0005  | .00015 | .3301  |
| %RSD   | 2.4829 | .93381 | 237.62 | 171.64  | 43.583  | 12.90  | .06718 | 5.7722 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | .38130 | 2.0362 | .00035  | -.00557 | -.00266 | .0035 | .22150 | 6.0790 |
| #2 | .39351 | 2.0297 | .00038  | -.00242 | -.00102 | .0034 | .22176 | 5.4318 |
| #3 | .37476 | 2.0007 | -.00027 | .00165  | -.00243 | .0043 | .22150 | 5.6431 |

Sample Name: K3580-15      Acquired: 7/1/2019 18:11:40      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-15-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .56942 |
| Stddev | .24474 |
| %RSD   | 42.981 |

|    |        |
|----|--------|
| #1 | .68127 |
| #2 | .73824 |
| #3 | .28873 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2309.9 | 26073. | 1747.9 | 27.905 | 2333.2 |
| Stddev    | 9.5    | 72.    | 9.9    | .231   | 8.0    |
| %RSD      | .40973 | .27504 | .56664 | .82876 | .34294 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2299.0 | 26094. | 1739.8 | 27.808 | 2324.1 |
| #2 | 2316.5 | 26132. | 1745.1 | 28.169 | 2336.9 |
| #3 | 2314.1 | 25993. | 1759.0 | 27.738 | 2338.7 |

Sample Name: K3592-02      Acquired: 7/1/2019 18:16:04      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RT-5124      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |         |         |        |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00047 | -.00130 | .01566 | -.00190 | -.00094 | .24661 | .20023 | .00010 |
| Stddev | .00274  | .00209  | .00037 | .00148  | .00112  | .01539 | .00133 | .00007 |
| %RSD   | 577.38  | 160.53  | 2.3715 | 78.074  | 119.27  | 6.2387 | .66511 | 77.604 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00259  | .00069  | .01543 | -.00356 | .00028  | .26437 | .20077 | .00004 |
| #2 | -.00136 | -.00348 | .01546 | -.00070 | -.00117 | .23817 | .19872 | .00018 |
| #3 | -.00266 | -.00112 | .01608 | -.00144 | -.00193 | .23729 | .20121 | .00006 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00017 | 3.2003 | .00086 | .00351 | .00226 | .01697 | .15517 | .71319 |
| Stddev | .00013 | .0406  | .00041 | .00008 | .00037 | .00070 | .00100 | .03756 |
| %RSD   | 74.079 | 1.2684 | 47.309 | 2.2775 | 16.385 | 4.1455 | .64710 | 5.2658 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00002 | 3.1549 | .00105 | .00342 | .00243 | .01732 | .15625 | .70709 |
| #2 | .00025 | 3.2131 | .00113 | .00355 | .00251 | .01743 | .15497 | .67906 |
| #3 | .00023 | 3.2330 | .00039 | .00356 | .00183 | .01616 | .15427 | .75342 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00184 | -.00006 | 336.51 | -.00045 | .17475 | .53389 | -.00005 | .06608 |
| Stddev | .00056 | .00047  | .50    | .00022  | .00023 | .05059 | .00023  | .03364 |
| %RSD   | 30.421 | 783.07  | .14992 | 48.961  | .13444 | 9.4757 | 423.79  | 50.912 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00145 | .00025  | 336.29 | -.00044 | .17477 | .54020 | -.00005 | .10191 |
| #2 | .00248 | .00017  | 337.08 | -.00023 | .17498 | .48044 | -.00028 | .03518 |
| #3 | .00159 | -.00061 | 336.15 | -.00067 | .17451 | .58103 | .00017  | .06114 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .64139 | .42473 | .00042 | -.00234 | -.00614 | -.0008 | .02684 | 6.0407 |
| Stddev | .00388 | .00567 | .00058 | .00099  | .00070  | .0020  | .00019 | .2207  |
| %RSD   | .60453 | 1.3359 | 137.40 | 42.458  | 11.417  | 246.5  | .72641 | 3.6542 |

|    |        |        |         |         |         |        |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|--------|
| #1 | .63738 | .42404 | .00040  | -.00120 | -.00674 | -.0029 | .02678 | 5.8008 |
| #2 | .64166 | .41943 | -.00015 | -.00299 | -.00537 | .0012  | .02706 | 6.2352 |
| #3 | .64512 | .43072 | .00101  | -.00284 | -.00631 | -.0008 | .02669 | 6.0861 |

Sample Name: K3592-02      Acquired: 7/1/2019 18:16:04      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RT-5124      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .86287  
 Stddev      .25190  
 %RSD      29.194

#1      .96479  
 #2      1.0479  
 #3      .57598

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2311.4 | 26137. | 1746.5 | 28.300 | 2350.5 |
| Stddev    | 9.6    | 19.    | 11.6   | .511   | 8.0    |
| %RSD      | .41654 | .07208 | .66635 | 1.8061 | .34122 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2322.2 | 26119. | 1740.3 | 28.239 | 2359.7 |
| #2 | 2303.6 | 26136. | 1739.3 | 28.839 | 2346.3 |
| #3 | 2308.5 | 26157. | 1759.9 | 27.822 | 2345.4 |

Sample Name: K3592-04      Acquired: 7/1/2019 18:20:29      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200052      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00243 | -.00022 | .04945 | -.00190 | -.00187 | .10773 | .23013 | .00002 |
| Stddev | .00129  | .00110  | .00083 | .00280  | .00185  | .02157 | .00125 | .00013 |
| %RSD   | 53.103  | 509.04  | 1.6782 | 147.78  | 99.072  | 20.020 | .54436 | 792.04 |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.00107 | .00084  | .04928 | .00132  | .00021  | .10599 | .22912 | .00016  |
| #2 | -.00363 | -.00012 | .05036 | -.00318 | -.00334 | .08708 | .22972 | -.00002 |
| #3 | -.00258 | -.00137 | .04872 | -.00383 | -.00249 | .13011 | .23153 | -.00009 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00025 | 5.5946 | .00105 | .00065 | .00131 | .00722 | .02909 | .99796 |
| Stddev | .00006 | .0646  | .00056 | .00020 | .00029 | .00027 | .00012 | .05742 |
| %RSD   | 23.995 | 1.1555 | 53.383 | 30.655 | 22.046 | 3.7582 | .42167 | 5.7540 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00030 | 5.5240 | .00099 | .00061 | .00151 | .00716 | .02923 | .94496 |
| #2 | .00019 | 5.6509 | .00052 | .00048 | .00098 | .00699 | .02905 | 1.0590 |
| #3 | .00027 | 5.6089 | .00164 | .00087 | .00145 | .00752 | .02900 | .98995 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00143 | .00048 | 299.15 | -.00030 | .16163 | .57770 | .00010 | .03796 |
| Stddev | .00032 | .00069 | 1.59   | .00020  | .00022 | .04339 | .00029 | .01745 |
| %RSD   | 22.495 | 143.38 | .53133 | 66.882  | .13732 | 7.5113 | 293.96 | 45.969 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00168 | -.00032 | 297.35 | -.00028 | .16163 | .60715 | .00011  | .02213 |
| #2 | .00154 | .00089  | 300.38 | -.00011 | .16186 | .59807 | .00038  | .05667 |
| #3 | .00106 | .00088  | 299.71 | -.00051 | .16141 | .52786 | -.00020 | .03508 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .38314 | .48980 | .00079 | -.00150 | -.00498 | .0007  | .04284 | 5.9919 |
| Stddev | .00204 | .01033 | .00054 | .00355  | .00233  | .0022  | .00040 | .2742  |
| %RSD   | .53228 | 2.1093 | 68.489 | 237.14  | 46.876  | 311.1  | .94032 | 4.5763 |

|    |        |        |        |         |         |        |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|--------|
| #1 | .38099 | .48940 | .00056 | .00144  | -.00373 | -.0011 | .04238 | 6.3085 |
| #2 | .38505 | .50033 | .00140 | -.00049 | -.00354 | .0031  | .04301 | 5.8369 |
| #3 | .38338 | .47968 | .00040 | -.00544 | -.00767 | .0001  | .04314 | 5.8304 |



Sample Name: K3592-04      Acquired: 7/1/2019 18:20:29      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200052      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .71248 |
| Stddev | .18598 |
| %RSD   | 26.104 |

|    |        |
|----|--------|
| #1 | .71557 |
| #2 | .89689 |
| #3 | .52497 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2336.8 | 26325. | 1733.7 | 27.507 | 2392.3 |
| Stddev    | 2.4    | 63.    | 10.9   | 1.060  | 2.4    |
| %RSD      | .10254 | .23861 | .63072 | 3.8531 | .10084 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2337.2 | 26275. | 1732.2 | 27.321 | 2394.4 |
| #2 | 2334.2 | 26305. | 1723.6 | 28.648 | 2392.8 |
| #3 | 2338.9 | 26396. | 1745.3 | 26.553 | 2389.6 |

Sample Name: K3601-02      Acquired: 7/1/2019 18:24:56      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RT-4651      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |        |         |
|--------|---------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00233 | -.00187 | .01229 | -.00167 | .00089 | .17729 | .30158 | -.00003 |
| Stddev | .00378  | .00098  | .00154 | .00148  | .00203 | .02575 | .00446 | .00006  |
| %RSD   | 162.23  | 52.314  | 12.557 | 88.631  | 228.66 | 14.523 | 1.4795 | 242.11  |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | .00134  | -.00259 | .01143 | -.00241 | .00319  | .18923 | .29725 | -.00009 |
| #2 | -.00211 | -.00225 | .01407 | .00003  | .00015  | .19490 | .30134 | -.00001 |
| #3 | -.00621 | -.00076 | .01138 | -.00264 | -.00067 | .14774 | .30616 | .00003  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00024 | 4.5490 | .00082 | .00486 | .00151 | .00216 | .17794 | 1.0378 |
| Stddev | .00003 | .0358  | .00074 | .00011 | .00057 | .00033 | .00106 | .0190  |
| %RSD   | 11.408 | .78641 | 90.884 | 2.2965 | 37.743 | 15.080 | .59384 | 1.8285 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00026 | 4.5752 | .00063 | .00478 | .00191 | .00232 | .17699 | 1.0226 |
| #2 | .00026 | 4.5083 | .00019 | .00482 | .00086 | .00238 | .17776 | 1.0316 |
| #3 | .00021 | 4.5637 | .00163 | .00499 | .00177 | .00179 | .17908 | 1.0591 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00183 | .00005 | 380.40 | -.00097 | .15401 | 1.2440 | -.00018 | .01337 |
| Stddev | .00068 | .00035 | 5.35   | .00034  | .00078 | .0850  | .00023  | .01327 |
| %RSD   | 36.926 | 740.14 | 1.4067 | 34.903  | .50750 | 6.8308 | 125.57  | 99.245 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00186 | .00038  | 376.19 | -.00091 | .15486 | 1.2342 | -.00003 | .01852  |
| #2 | .00114 | .00007  | 378.58 | -.00066 | .15333 | 1.1643 | -.00008 | .02330  |
| #3 | .00249 | -.00031 | 386.42 | -.00133 | .15384 | 1.3334 | -.00045 | -.00170 |

|        |        |        |         |         |         |        |        |        |
|--------|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .54235 | .75172 | -.00050 | -.00220 | -.00287 | .0036  | .03525 | 6.1778 |
| Stddev | .00412 | .01056 | .00023  | .00054  | .00132  | .0013  | .00009 | .1600  |
| %RSD   | .75906 | 1.4043 | 46.824  | 24.786  | 46.026  | 37.48  | .26886 | 2.5892 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | .54598 | .76387 | -.00066 | -.00218 | -.00135 | .0037 | .03536 | 5.9971 |
| #2 | .53788 | .74645 | -.00023 | -.00275 | -.00357 | .0049 | .03519 | 6.3013 |
| #3 | .54320 | .74483 | -.00061 | -.00166 | -.00370 | .0022 | .03519 | 6.2349 |

Sample Name: K3601-02      Acquired: 7/1/2019 18:24:56      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RT-4651      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .58735  
 Stddev      .50121  
 %RSD      85.333

#1      .90031  
 #2      .85248  
 #3      .00927

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2355.5 | 26204. | 1739.1 | 28.216 | 2384.2 |
| Stddev    | 5.2    | 174.   | 21.9   | .425   | 4.9    |
| %RSD      | .22171 | .66464 | 1.2580 | 1.5068 | .20760 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2349.6 | 26297. | 1713.9 | 27.837 | 2378.5 |
| #2 | 2359.4 | 26313. | 1750.1 | 28.676 | 2387.5 |
| #3 | 2357.6 | 26003. | 1753.3 | 28.134 | 2386.6 |

Sample Name: K3601-04      Acquired: 7/1/2019 18:29:21      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200027      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00286 | -.00096 | .01146 | -.00180 | -.00104 | .22975 | .33470 | .00000 |
| Stddev | .00158  | .00109  | .00113 | .00352  | .00103  | .00644 | .00198 | .00008 |
| %RSD   | 55.325  | 113.58  | 9.8890 | 195.51  | 98.848  | 2.8037 | .59134 | 2051.7 |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.00111 | -.00222 | .01216 | .00173  | -.00103 | .23301 | .33244 | -.00001 |
| #2 | -.00326 | -.00024 | .01206 | -.00530 | -.00002 | .23391 | .33551 | .00009  |
| #3 | -.00420 | -.00042 | .01015 | -.00182 | -.00207 | .22233 | .33614 | -.00007 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00006 | 3.2577 | .00047 | .00123 | .00231 | .00281 | .02282 | .59865 |
| Stddev | .00010 | .0439  | .00035 | .00024 | .00021 | .00129 | .00013 | .09134 |
| %RSD   | 183.78 | 1.3461 | 73.504 | 19.411 | 8.9307 | 45.779 | .54874 | 15.257 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00017  | 3.2215 | .00075 | .00150 | .00211 | .00428 | .02296 | .65432 |
| #2 | .00003  | 3.2450 | .00058 | .00104 | .00252 | .00190 | .02273 | .64839 |
| #3 | -.00003 | 3.3065 | .00008 | .00116 | .00231 | .00225 | .02278 | .49324 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00180 | .00016 | 328.81 | -.00054 | .10687 | .54277 | -.00003 | .04391 |
| Stddev | .00045 | .00053 | 2.55   | .00037  | .00032 | .06003 | .00014  | .01489 |
| %RSD   | 25.139 | 335.10 | .77603 | 68.226  | .29980 | 11.060 | 536.17  | 33.922 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00210 | .00077  | 326.05 | -.00095 | .10720 | .55874 | .00006  | .05951 |
| #2 | .00202 | -.00006 | 329.30 | -.00024 | .10657 | .59319 | .00004  | .02983 |
| #3 | .00128 | -.00023 | 331.08 | -.00042 | .10683 | .47636 | -.00018 | .04239 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .41287 | .62845 | .00021 | -.00104 | -.00501 | -.0018 | .02383 | 4.7068 |
| Stddev | .00076 | .00856 | .00106 | .00312  | .00086  | .0020  | .00006 | .1002  |
| %RSD   | .18365 | 1.3613 | 514.38 | 299.86  | 17.130  | 108.6  | .26182 | 2.1286 |

|    |        |        |         |         |         |        |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|--------|
| #1 | .41225 | .63776 | .00100  | -.00410 | -.00458 | .0002  | .02376 | 4.6077 |
| #2 | .41264 | .62666 | -.00100 | -.00115 | -.00599 | -.0038 | .02386 | 4.7048 |
| #3 | .41371 | .62093 | .00061  | .00213  | -.00445 | -.0020 | .02387 | 4.8080 |

Sample Name: K3601-04      Acquired: 7/1/2019 18:29:21      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RBR-200027      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .62000 |
| Stddev | .56834 |
| %RSD   | 91.667 |

|    |        |
|----|--------|
| #1 | .37034 |
| #2 | .21923 |
| #3 | 1.2704 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2425.4 | 27199. | 1816.8 | 28.781 | 2430.8 |
| Stddev    | 12.8   | 42.    | 16.8   | 1.374  | 12.1   |
| %RSD      | .52776 | .15480 | .92715 | 4.7741 | .49735 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2414.0 | 27189. | 1798.6 | 28.287 | 2421.5 |
| #2 | 2422.8 | 27163. | 1819.9 | 27.722 | 2426.4 |
| #3 | 2439.3 | 27246. | 1831.9 | 30.333 | 2444.4 |

Sample Name: CCV08      Acquired: 7/1/2019 18:33:48      Type: Unk  
Method: P4-ICP2(v3245)      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    | 4.9317 | 5.0264 | 4.6692 | 5.0400 | 4.9412 | 9.8312 | 9.6542 | .24771 |
| Stddev | .0145  | .0131  | .0113  | .0110  | .0074  | .0588  | .0440  | .00018 |
| %RSD   | .29468 | .26139 | .24095 | .21784 | .14991 | .59800 | .45582 | .07312 |
| #1     | 4.9283 | 5.0355 | 4.6801 | 5.0285 | 4.9369 | 9.7735 | 9.6114 | .24762 |
| #2     | 4.9476 | 5.0324 | 4.6698 | 5.0503 | 4.9498 | 9.8291 | 9.6519 | .24760 |
| #3     | 4.9191 | 5.0113 | 4.6576 | 5.0412 | 4.9369 | 9.8910 | 9.6993 | .24792 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4271 | 24.724 | .97770 | 2.4224 | 1.2510 | 4.9409 | 2.4830 | 23.858 |
| Stddev | .0051  | .184   | .00178 | .0045  | .0024  | .0075  | .0008  | .033   |
| %RSD   | .20941 | .74418 | .18220 | .18607 | .19397 | .15142 | .03074 | .13957 |
| #1     | 2.4304 | 24.517 | .97836 | 2.4241 | 1.2482 | 4.9460 | 2.4824 | 23.894 |
| #2     | 2.4297 | 24.868 | .97905 | 2.4259 | 1.2525 | 4.9323 | 2.4827 | 23.828 |
| #3     | 2.4212 | 24.787 | .97568 | 2.4173 | 1.2524 | 4.9444 | 2.4838 | 23.853 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4544 | 1.2331 | 24.200 | 2.4766 | 2.4264 | 24.217 | 5.0567 | 4.8487 |
| Stddev | .0026  | .0007  | .084   | .0018  | .0044  | .166   | .0053  | .0301  |
| %RSD   | .10525 | .05897 | .34839 | .07264 | .18179 | .68653 | .10457 | .62074 |
| #1     | 2.4557 | 1.2324 | 24.139 | 2.4781 | 2.4301 | 24.039 | 5.0518 | 4.8688 |
| #2     | 2.4560 | 1.2330 | 24.163 | 2.4746 | 2.4276 | 24.242 | 5.0623 | 4.8141 |
| #3     | 2.4514 | 1.2339 | 24.296 | 2.4771 | 2.4215 | 24.369 | 5.0560 | 4.8631 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0106 | 4.8766 | 4.9316 | 4.8473 | 4.9254 | 5.206  | 5.1686 | 5.4713 |
| Stddev | .0090  | .0097  | .0075  | .0390  | .0136  | .006   | .0058  | .1527  |
| %RSD   | .17969 | .19943 | .15123 | .80401 | .27703 | .1122  | .11146 | 2.7910 |
| #1     | 5.0127 | 4.8879 | 4.9400 | 4.8023 | 4.9106 | 5.205  | 5.1625 | 5.2966 |
| #2     | 5.0007 | 4.8706 | 4.9291 | 4.8700 | 4.9279 | 5.213  | 5.1693 | 5.5793 |
| #3     | 5.0184 | 4.8714 | 4.9257 | 4.8696 | 4.9376 | 5.201  | 5.1740 | 5.5381 |

Sample Name: CCV08      Acquired: 7/1/2019 18:33:48      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.7284 |
| Stddev | .3850    |
| %RSD   | 14.111   |

|    |        |
|----|--------|
| #1 | 2.4324 |
| #2 | 3.1636 |
| #3 | 2.5891 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2386.0 | 26832. | 1707.5 | 25.708 | 2426.9 |
| Stddev    | 2.9    | 15.    | 3.3    | 2.146  | 7.2    |
| %RSD      | .12006 | .05557 | .19482 | 8.3487 | .29465 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2382.9 | 26848. | 1704.5 | 24.646 | 2418.9 |
| #2 | 2386.5 | 26830. | 1706.9 | 28.179 | 2429.1 |
| #3 | 2388.5 | 26818. | 1711.0 | 24.301 | 2432.6 |

Sample Name: CCB08      Acquired: 7/1/2019 18:37:45      Type: Unk  
Method: P4-ICP2(v3245)      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    | -.00027 | .00241  | -.00490 | -.00361 | -.00034 | -.00434 | .00150  | .00002   |
| Stddev | .00156  | .00065  | .00054  | .00257  | .00099  | .02466  | .00080  | .00006   |
| %RSD   | 571.52  | 26.926  | 11.078  | 71.197  | 293.31  | 568.40  | 53.365  | 305.45   |
| #1     | .00027  | .00172  | -.00486 | -.00514 | -.00147 | .01218  | .00080  | .00009   |
| #2     | -.00203 | .00250  | -.00438 | -.00504 | .00039  | -.03268 | .00237  | -.00001  |
| #3     | .00094  | .00300  | -.00546 | -.00064 | .00006  | .00749  | .00133  | -.00002  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00004 | -.00799 | .00020  | -.00005 | .00026  | -.00165 | -.00004 | -.08971  |
| Stddev | .00000  | .03222  | .00016  | .00038  | .00029  | .00062  | .00001  | .13324   |
| %RSD   | 12.018  | 403.05  | 79.509  | 739.39  | 110.67  | 37.247  | 13.323  | 148.52   |
| #1     | -.00004 | .02598  | .00032  | .00014  | -.00007 | -.00105 | -.00004 | .05424   |
| #2     | -.00004 | -.01185 | .00024  | -.00049 | .00047  | -.00228 | -.00004 | -.11466  |
| #3     | -.00003 | -.03811 | .00002  | .00019  | .00038  | -.00163 | -.00004 | -.20871  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00055  | .00045  | -.03901 | -.00014 | -.00035 | -.06857 | .00024  | -.01780  |
| Stddev | .00032  | .00084  | .00398  | .00033  | .00012  | .07146  | .00016  | .01521   |
| %RSD   | 58.734  | 186.93  | 10.205  | 232.39  | 32.966  | 104.21  | 66.162  | 85.471   |
| #1     | .00042  | .00141  | -.03756 | .00011  | -.00022 | -.13685 | .00036  | -.00389  |
| #2     | .00030  | .00010  | -.03595 | -.00003 | -.00045 | -.07456 | .00006  | -.03404  |
| #3     | .00091  | -.00016 | -.04351 | -.00051 | -.00037 | .00569  | .00029  | -.01546  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00418 | .00742  | -.00033 | -.00012 | -.00551 | -.0003  | -.00016 | F 4.8310 |
| Stddev | .00132  | .00363  | .00043  | .00171  | .00081  | .0011   | .00025  | .1035    |
| %RSD   | 31.527  | 48.934  | 132.04  | 1395.2  | 14.643  | 319.1   | 154.15  | 2.1414   |
| #1     | -.00268 | .01089  | .00004  | .00145  | -.00614 | .0009   | -.00005 | 4.8525   |
| #2     | -.00471 | .00365  | -.00022 | .00012  | -.00577 | -.0010  | -.00045 | 4.7185   |
| #3     | -.00515 | .00771  | -.00081 | -.00194 | -.00460 | -.0009  | .00002  | 4.9221   |



Sample Name: CCB08      Acquired: 7/1/2019 18:37:45      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .55590 |
| Stddev | .13523   |
| %RSD   | 24.326   |

|    |        |
|----|--------|
| #1 | .65037 |
| #2 | .40099 |
| #3 | .61633 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2418.1 | 27088. | 1675.6 | 26.352 | 2666.3 |
| Stddev    | 4.9    | 45.    | 4.2    | .793   | 1.3    |
| %RSD      | .20127 | .16448 | .25190 | 3.0079 | .04996 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2418.8 | 27058. | 1674.6 | 25.436 | 2667.8 |
| #2 | 2422.6 | 27066. | 1680.3 | 26.820 | 2665.3 |
| #3 | 2412.9 | 27139. | 1672.0 | 26.798 | 2665.8 |

Sample Name: K3555-26      Acquired: 7/1/2019 18:42:14      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: GWMH-13      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00222 | -.00050 | -.00520 | -.00132 | -.00142 | .01452  | .10973  | -.00008 |
| Stddev | .00327  | .00136  | .00073  | .00238  | .00158  | .02970  | .00117  | .00003  |
| %RSD   | 147.31  | 273.47  | 14.078  | 179.93  | 110.99  | 204.53  | 1.0650  | 37.605  |
| #1     | -.00282 | .00096  | -.00436 | -.00010 | -.00023 | .04208  | .10915  | -.00011 |
| #2     | -.00514 | -.00173 | -.00554 | -.00406 | -.00322 | -.01694 | .10896  | -.00006 |
| #3     | .00131  | -.00072 | -.00569 | .00020  | -.00082 | .01844  | .11107  | -.00005 |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00002  | 15.395  | -.00010 | -.00008 | .00108  | .00284  | .38103  | 3.5648  |
| Stddev | .00005  | .080    | .00024  | .00012  | .00047  | .00026  | .00052  | .0726   |
| %RSD   | 222.14  | .51996  | 250.82  | 150.39  | 43.646  | 9.2672  | .13638  | 2.0354  |
| #1     | .00005  | 15.397  | -.00036 | .00006  | .00096  | .00311  | .38082  | 3.4906  |
| #2     | .00004  | 15.474  | -.00004 | -.00014 | .00068  | .00258  | .38064  | 3.6356  |
| #3     | -.00003 | 15.314  | .00011  | -.00015 | .00161  | .00282  | .38162  | 3.5683  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00071  | .00035  | 38.734  | -.00256 | .03952  | .56827  | .00026  | .04015  |
| Stddev | .00017  | .00068  | .212    | .00020  | .00010  | .07165  | .00026  | .02810  |
| %RSD   | 24.284  | 190.67  | .54700  | 7.6609  | .24769  | 12.607  | 97.808  | 69.984  |
| #1     | .00079  | .00015  | 38.490  | -.00247 | .03962  | .48675  | .00037  | .00828  |
| #2     | .00084  | .00111  | 38.871  | -.00279 | .03951  | .62120  | .00044  | .06134  |
| #3     | .00052  | -.00020 | 38.840  | -.00243 | .03943  | .59687  | -.00003 | .05084  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 2.1795  | 1.2952  | -.00149 | -.00268 | -.00950 | .0202   | .10858  | 4.3561  |
| Stddev | .0127   | .0192   | .00030  | .00164  | .00051  | .0015   | .00090  | .1407   |
| %RSD   | .58405  | 1.4815  | 20.121  | 61.007  | 5.4068  | 7.657   | .83340  | 3.2311  |
| #1     | 2.1915  | 1.3065  | -.00170 | -.00342 | -.00891 | .0216   | .10771  | 4.2501  |
| #2     | 2.1809  | 1.3060  | -.00162 | -.00383 | -.00982 | .0205   | .10952  | 4.5158  |
| #3     | 2.1661  | 1.2730  | -.00114 | -.00081 | -.00978 | .0185   | .10852  | 4.3024  |

Sample Name: K3555-26      Acquired: 7/1/2019 18:42:14      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: GWMH-13      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .90648  
 Stddev      .25603  
 %RSD      28.245

#1      1.1138  
 #2      .62029  
 #3      .98534

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2447.7 | 27467. | 1755.3 | 28.044 | 2644.9 |
| Stddev    | 9.4    | 149.   | 24.2   | 1.400  | 12.0   |
| %RSD      | .38441 | .54248 | 1.3775 | 4.9911 | .45548 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2438.2 | 27358. | 1747.8 | 27.258 | 2634.9 |
| #2 | 2447.9 | 27406. | 1735.7 | 29.660 | 2641.6 |
| #3 | 2457.0 | 27637. | 1782.3 | 27.215 | 2658.3 |

Sample Name: K3585-13      Acquired: 7/1/2019 18:46:39      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RM-WATER-COM      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |         |        |         |        |        |         |
|--------|---------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00053 | .00024 | -.00561 | .00045 | -.00131 | .09894 | .01070 | -.00009 |
| Stddev | .00162  | .00098 | .00104  | .00239 | .00024  | .01769 | .00090 | .00006  |
| %RSD   | 304.51  | 401.04 | 18.513  | 530.58 | 18.743  | 17.881 | 8.3696 | 75.498  |

|    |         |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|---------|--------|--------|---------|
| #1 | .00131  | -.00081 | -.00563 | .00056  | -.00148 | .11653 | .01140 | -.00003 |
| #2 | -.00118 | .00042  | -.00663 | -.00199 | -.00142 | .09916 | .01102 | -.00007 |
| #3 | -.00172 | .00112  | -.00456 | .00278  | -.00102 | .08114 | .00969 | -.00016 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 13.649 | .00407 | .00003 | .00072 | .00102 | .00006 | .09850 |
| Stddev | .00008  | .160   | .00011 | .00008 | .00016 | .00030 | .00006 | .04460 |
| %RSD   | 117.56  | 1.1717 | 2.7587 | 291.99 | 22.177 | 29.771 | 103.35 | 45.277 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00014 | 13.493 | .00396 | -.00003 | .00061 | .00075 | .00012 | .05326 |
| #2 | -.00007 | 13.643 | .00419 | -.00001 | .00064 | .00097 | .00002 | .09981 |
| #3 | .00001  | 13.813 | .00406 | .00012  | .00090 | .00135 | .00003 | .14243 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00036 | .00019 | 5.3982 | .00599 | .00912 | 2.2325 | .00292 | .17930 |
| Stddev | .00031 | .00048 | .0386  | .00026 | .00015 | .0672  | .00041 | .02760 |
| %RSD   | 86.311 | 247.04 | .71594 | 4.2741 | 1.6201 | 3.0080 | 13.943 | 15.394 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00016 | .00074  | 5.3539 | .00583 | .00908 | 2.1577 | .00258 | .17722 |
| #2 | .00072 | -.00000 | 5.4253 | .00585 | .00900 | 2.2520 | .00337 | .20788 |
| #3 | .00021 | -.00016 | 5.4153 | .00628 | .00928 | 2.2877 | .00280 | .15280 |

|        |        |        |         |         |         |        |        |        |
|--------|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.7392 | .46569 | -.00438 | -.00347 | -.01421 | .0334  | .16672 | 5.0056 |
| Stddev | .0558  | .00601 | .00022  | .00088  | .00089  | .0004  | .00255 | .2283  |
| %RSD   | .57340 | 1.2895 | 5.0380  | 25.422  | 6.2874  | 1.257  | 1.5276 | 4.5611 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | 9.7821 | .45967 | -.00456 | -.00248 | -.01326 | .0329 | .16464 | 5.2594 |
| #2 | 9.7595 | .46573 | -.00413 | -.00418 | -.01434 | .0336 | .16596 | 4.9403 |
| #3 | 9.6761 | .47168 | -.00444 | -.00375 | -.01504 | .0336 | .16956 | 4.8170 |

Sample Name: K3585-13      Acquired: 7/1/2019 18:46:39      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RM-WATER-COM Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .39602  
 Stddev      .44443  
 %RSD      112.22

#1      -.09838  
 #2      .52407  
 #3      .76237

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2429.9 | 27232. | 1699.6 | 26.990 | 2670.1 |
| Stddev    | 1.7    | 39.    | 10.5   | .580   | 2.3    |
| %RSD      | .07158 | .14400 | .61891 | 2.1474 | .08758 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2431.6 | 27200. | 1704.6 | 26.998 | 2669.7 |
| #2 | 2428.1 | 27220. | 1706.6 | 27.566 | 2668.0 |
| #3 | 2430.1 | 27276. | 1687.5 | 26.407 | 2672.6 |

Sample Name: K3585-13DUP      Acquired: 7/1/2019 18:51:06      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RM-WATER-COM      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |         |         |        |        |         |
|--------|---------|--------|---------|---------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00050 | .00148 | -.00545 | -.00133 | -.00103 | .09595 | .01071 | -.00010 |
| Stddev | .00339  | .00046 | .00051  | .00242  | .00064  | .01110 | .00076 | .00006  |
| %RSD   | 675.78  | 31.462 | 9.3302  | 181.59  | 61.566  | 11.567 | 7.0984 | 60.619  |

|    |         |        |         |         |         |        |        |         |
|----|---------|--------|---------|---------|---------|--------|--------|---------|
| #1 | .00320  | .00200 | -.00592 | -.00347 | -.00176 | .10396 | .00984 | -.00015 |
| #2 | -.00346 | .00129 | -.00491 | -.00183 | -.00058 | .10061 | .01104 | -.00003 |
| #3 | -.00124 | .00113 | -.00554 | .00130  | -.00076 | .08328 | .01125 | -.00012 |

|        |         |        |        |         |        |         |        |        |
|--------|---------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00008 | 13.512 | .00395 | -.00003 | .00082 | -.00008 | .00009 | .10684 |
| Stddev | .00003  | .049   | .00033 | .00017  | .00038 | .00040  | .00006 | .07669 |
| %RSD   | 32.736  | .36366 | 8.3012 | 581.03  | 46.206 | 501.67  | 63.045 | 71.781 |

|    |         |        |        |         |        |         |        |        |
|----|---------|--------|--------|---------|--------|---------|--------|--------|
| #1 | -.00011 | 13.466 | .00430 | .00009  | .00121 | -.00002 | .00016 | .11602 |
| #2 | -.00007 | 13.506 | .00366 | .00005  | .00080 | -.00051 | .00007 | .02597 |
| #3 | -.00006 | 13.563 | .00388 | -.00023 | .00045 | .00029  | .00005 | .17853 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00041 | .00063 | 5.3368 | .00648 | .00922 | 2.1727 | .00251 | .18632 |
| Stddev | .00028 | .00026 | .0050  | .00050 | .00001 | .0190  | .00029 | .02393 |
| %RSD   | 66.641 | 40.564 | .09400 | 7.7315 | .11107 | .87293 | 11.470 | 12.845 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00036 | .00075 | 5.3398 | .00590 | .00920 | 2.1631 | .00232 | .20034 |
| #2 | .00017 | .00034 | 5.3395 | .00676 | .00922 | 2.1604 | .00284 | .19993 |
| #3 | .00071 | .00081 | 5.3310 | .00677 | .00922 | 2.1945 | .00237 | .15869 |

|        |        |        |         |         |         |        |        |        |
|--------|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.6492 | .46089 | -.00414 | -.00306 | -.00838 | .0326  | .16549 | 4.5020 |
| Stddev | .0343  | .00472 | .00060  | .00236  | .00208  | .0020  | .00028 | .1261  |
| %RSD   | .35522 | 1.0233 | 14.596  | 77.193  | 24.838  | 6.059  | .16643 | 2.8013 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | 9.6105 | .46633 | -.00354 | -.00038 | -.00607 | .0341 | .16521 | 4.5368 |
| #2 | 9.6611 | .45803 | -.00413 | -.00394 | -.00896 | .0304 | .16549 | 4.6071 |
| #3 | 9.6759 | .45831 | -.00475 | -.00485 | -.01012 | .0334 | .16576 | 4.3622 |

Sample Name: K3585-13DUP      Acquired: 7/1/2019 18:51:06      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RM-WATER-COM Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .78711 |
| Stddev | .69250 |
| %RSD   | 87.980 |

|    |        |
|----|--------|
| #1 | .68802 |
| #2 | 1.5238 |
| #3 | .14950 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2413.5 | 27352. | 1706.1 | 28.589 | 2654.9 |
| Stddev    | 9.3    | 67.    | 10.6   | .929   | 9.9    |
| %RSD      | .38403 | .24519 | .62047 | 3.2507 | .37426 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2423.7 | 27285. | 1694.2 | 27.568 | 2665.8 |
| #2 | 2405.7 | 27351. | 1709.8 | 29.386 | 2646.3 |
| #3 | 2411.1 | 27419. | 1714.4 | 28.811 | 2652.5 |

Sample Name: K3585-13LX5      Acquired: 7/1/2019 18:55:32      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB121056BL      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |        |        |        |         |
|--------|---------|---------|---------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00005 | -.00023 | -.00655 | .00182 | .00080 | .03164 | .00390 | -.00012 |
| Stddev | .00246  | .00109  | .00131  | .00515 | .00131 | .02816 | .00044 | .00004  |
| %RSD   | 4745.4  | 471.24  | 20.001  | 283.34 | 164.44 | 88.998 | 11.330 | 35.105  |

|    |         |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|---------|--------|--------|---------|
| #1 | -.00285 | -.00148 | -.00679 | .00703  | .00052  | .01653 | .00372 | -.00009 |
| #2 | .00178  | .00025  | -.00771 | .00168  | .00223  | .01426 | .00441 | -.00017 |
| #3 | .00091  | .00053  | -.00513 | -.00326 | -.00035 | .06412 | .00358 | -.00011 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00006 | 2.6675 | .00229 | .00007 | .00049 | .00513 | .00018 | -.02264 |
| Stddev | .00014 | .0226  | .00064 | .00008 | .00018 | .00126 | .00004 | .05073  |
| %RSD   | 227.03 | .84528 | 27.818 | 106.35 | 37.683 | 24.632 | 24.748 | 224.07  |

|    |         |        |        |        |        |        |        |         |
|----|---------|--------|--------|--------|--------|--------|--------|---------|
| #1 | -.00005 | 2.6422 | .00260 | .00016 | .00069 | .00636 | .00013 | .01139  |
| #2 | .00021  | 2.6855 | .00156 | .00003 | .00045 | .00521 | .00022 | -.08095 |
| #3 | .00001  | 2.6749 | .00272 | .00003 | .00033 | .00383 | .00019 | .00164  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00158 | .00016 | .91193 | .00110 | .00239 | .35389 | .00037 | .01923 |
| Stddev | .00013 | .00081 | .01954 | .00057 | .00005 | .03126 | .00026 | .01659 |
| %RSD   | 8.5677 | 504.91 | 2.1422 | 51.884 | 1.9792 | 8.8333 | 69.094 | 86.248 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00144 | -.00039 | .89473 | .00110 | .00234 | .36395 | .00058 | .01758 |
| #2 | .00159 | .00109  | .90790 | .00053 | .00243 | .31883 | .00045 | .00353 |
| #3 | .00170 | -.00021 | .93317 | .00167 | .00239 | .37888 | .00009 | .03659 |

|        |        |        |         |         |         |        |        |        |
|--------|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.9578 | .09372 | -.00192 | -.00353 | -.00954 | .0053  | .03274 | 4.7967 |
| Stddev | .0025  | .00270 | .00043  | .00246  | .00413  | .0019  | .00017 | .2177  |
| %RSD   | .12886 | 2.8807 | 22.312  | 69.675  | 43.244  | 35.55  | .52557 | 4.5386 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | 1.9574 | .09531 | -.00190 | -.00357 | -.01365 | .0052 | .03255 | 4.5746 |
| #2 | 1.9556 | .09524 | -.00151 | -.00598 | -.00958 | .0072 | .03284 | 4.8058 |
| #3 | 1.9605 | .09060 | -.00236 | -.00105 | -.00540 | .0034 | .03284 | 5.0097 |



Sample Name: K3585-13LX5      Acquired: 7/1/2019 18:55:32      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB121056BL      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .50749 |
| Stddev | .06947 |
| %RSD   | 13.689 |

|    |        |
|----|--------|
| #1 | .53747 |
| #2 | .42806 |
| #3 | .55692 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2460.2 | 27665. | 1733.2 | 27.367 | 2703.7 |
| Stddev    | 9.1    | 162.   | 18.5   | 1.408  | 3.2    |
| %RSD      | .36828 | .58536 | 1.0669 | 5.1434 | .11758 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2450.7 | 27478. | 1722.9 | 26.289 | 2700.1 |
| #2 | 2461.2 | 27764. | 1722.1 | 28.959 | 2704.9 |
| #3 | 2468.7 | 27753. | 1754.5 | 26.852 | 2706.1 |

Sample Name: K3585-13MS      Acquired: 7/1/2019 19:00:00      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RM-WATER-COM      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .72924 | 1.9055 | .87258 | 1.8533 | .77661 | 2.0083 | .20465 | .18655 | .17894 |
| Stddev | .00460 | .0039  | .00192 | .0093  | .00240 | .0378  | .00066 | .00064 | .00052 |
| %RSD   | .63063 | .20621 | .22048 | .50344 | .30851 | 1.8811 | .32097 | .34135 | .29142 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72404 | 1.9088 | .87083 | 1.8625 | .77934 | 1.9665 | .20393 | .18623 | .17941 |
| #2 | .73092 | 1.9065 | .87464 | 1.8535 | .77483 | 2.0185 | .20481 | .18728 | .17904 |
| #3 | .73276 | 1.9012 | .87226 | 1.8439 | .77567 | 2.0400 | .20521 | .18613 | .17838 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.343 | .39682 | .18812 | .30612 | 2.9943 | .20246 | 1.8955 | .47232 | .06917 |
| Stddev | .066   | .00133 | .00067 | .00101 | .0053  | .00039 | .0706  | .00029 | .00076 |
| %RSD   | .49562 | .33482 | .35548 | .33017 | .17764 | .19421 | 3.7269 | .06211 | 1.0936 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.295 | .39569 | .18862 | .30711 | 2.9983 | .20219 | 1.9548 | .47264 | .06880 |
| #2 | 13.316 | .39647 | .18839 | .30509 | 2.9964 | .20291 | 1.8174 | .47226 | .06867 |
| #3 | 13.419 | .39828 | .18736 | .30617 | 2.9883 | .20227 | 1.9145 | .47206 | .07004 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.7754 | .30738 | .18790 | 11.539 | .41733 | .42972 | 8.8635 | 1.3036 | .66522 |
| Stddev | .0299  | .00084 | .00054 | .079   | .00095 | .03080 | .0172  | .0046  | .00106 |
| %RSD   | .38451 | .27365 | .28504 | .68797 | .22738 | 7.1675 | .19423 | .35191 | .15956 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.7416 | .30700 | .18792 | 11.457 | .41842 | .41908 | 8.8665 | 1.2995 | .66614 |
| #2 | 7.7861 | .30835 | .18842 | 11.545 | .41689 | .40564 | 8.8789 | 1.3028 | .66406 |
| #3 | 7.7984 | .30681 | .18735 | 11.616 | .41668 | .46442 | 8.8449 | 1.3085 | .66547 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19587 | .19329 | 5.647  | .39383 | 5.7102 | .53084 |
| Stddev | .00578 | .00113 | .023   | .00128 | .2031  | .25643 |
| %RSD   | 2.9529 | .58252 | .4096  | .32487 | 3.5561 | 48.306 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .19098 | .19270 | 5.661 | .39498 | 5.8981 | .74585 |
| #2 | .20226 | .19258 | 5.660 | .39245 | 5.7377 | .59965 |
| #3 | .19437 | .19459 | 5.620 | .39406 | 5.4948 | .24703 |

Sample Name: K3585-13MS      Acquired: 7/1/2019 19:00:00      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RM-WATER-COM 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       | 2410.3 | 27257. | 1703.0 | 27.770 | 2612.6 |
| Stddev    | 4.2    | 68.    | 12.6   | 1.253  | 6.1    |
| %RSD      | .17426 | .24972 | .74017 | 4.5122 | .23460 |
|           |        |        |        |        |        |
| #1        | 2405.7 | 27184. | 1689.0 | 27.527 | 2607.1 |
| #2        | 2411.4 | 27269. | 1706.6 | 26.657 | 2611.5 |
| #3        | 2413.9 | 27318. | 1713.4 | 29.127 | 2619.2 |

Sample Name: K3585-13MSD      Acquired: 7/1/2019 19:04:06      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RM-WATER-COM      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .72580 | 1.8922 | .86202 | 1.8357 | .77516 | 2.0677 | .20747 | .18784 | .17744 |
| Stddev | .00385 | .0117  | .00559 | .0132  | .00250 | .0261  | .00069 | .00033 | .00104 |
| %RSD   | .53024 | .61847 | .64899 | .71967 | .32222 | 1.2630 | .33399 | .17532 | .58381 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72964 | 1.8947 | .86223 | 1.8440 | .77737 | 2.0738 | .20680 | .18753 | .17745 |
| #2 | .72194 | 1.8794 | .85632 | 1.8204 | .77245 | 2.0903 | .20818 | .18782 | .17640 |
| #3 | .72582 | 1.9024 | .86750 | 1.8426 | .77568 | 2.0391 | .20742 | .18819 | .17847 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.578 | .40044 | .18653 | .30540 | 3.0214 | .20315 | 2.0191 | .47070 | .07093 |
| Stddev | .038   | .00002 | .00131 | .00242 | .0015  | .00043 | .0265  | .00279 | .00035 |
| %RSD   | .27728 | .00409 | .70158 | .79184 | .05015 | .21353 | 1.3103 | .59322 | .49400 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.597 | .40045 | .18605 | .30588 | 3.0213 | .20357 | 1.9926 | .47088 | .07053 |
| #2 | 13.604 | .40046 | .18553 | .30278 | 3.0229 | .20316 | 2.0455 | .46783 | .07119 |
| #3 | 13.535 | .40042 | .18801 | .30755 | 3.0199 | .20271 | 2.0193 | .47340 | .07107 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.9017 | .31100 | .18655 | 11.691 | .41906 | .45073 | 8.7936 | 1.3206 | .66478 |
| Stddev | .0660  | .00217 | .00079 | .195   | .00282 | .01152 | .0549  | .0080  | .00367 |
| %RSD   | .83574 | .69649 | .42216 | 1.6710 | .67250 | 2.5556 | .62433 | .60917 | .55134 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.8378 | .31298 | .18674 | 11.593 | .42158 | .45917 | 8.8228 | 1.3183 | .66265 |
| #2 | 7.9697 | .30869 | .18569 | 11.916 | .41602 | .45541 | 8.7303 | 1.3295 | .66268 |
| #3 | 7.8975 | .31133 | .18723 | 11.565 | .41958 | .43761 | 8.8278 | 1.3139 | .66902 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19961 | .19529 | 5.620  | .39959 | 5.5925 | .23096 |
| Stddev | .00308 | .00216 | .025   | .00122 | .0660  | .29347 |
| %RSD   | 1.5409 | 1.1046 | .4437  | .30435 | 1.1797 | 127.07 |

|    |        |        |       |        |        |         |
|----|--------|--------|-------|--------|--------|---------|
| #1 | .19901 | .19456 | 5.630 | .39819 | 5.6004 | .55484  |
| #2 | .20294 | .19772 | 5.592 | .40023 | 5.6541 | .15533  |
| #3 | .19688 | .19360 | 5.639 | .40035 | 5.5229 | -.01730 |

Sample Name: K3585-13MSD      Acquired: 7/1/2019 19:04:06      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RM-WATER-COM 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       | 2415.8 | 27072. | 1693.6 | 28.561 | 2631.7 |
| Stddev    | 10.2   | 137.   | 10.1   | .866   | 8.3    |
| %RSD      | .42055 | .50658 | .59800 | 3.0325 | .31475 |
| #1        | 2404.5 | 26954. | 1682.0 | 29.525 | 2623.1 |
| #2        | 2424.3 | 27039. | 1698.3 | 27.848 | 2639.6 |
| #3        | 2418.5 | 27222. | 1700.5 | 28.311 | 2632.3 |

Sample Name: K3585-13A      Acquired: 7/1/2019 19:08:12      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB121056BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .71827 | 1.8591 | .84781 | 1.8114 | .76123 | 2.0034 | .20281 | .18410 | .17452 |
| Stddev | .00152 | .0029  | .00130 | .0043  | .00062 | .0379  | .00142 | .00017 | .00059 |
| %RSD   | .21105 | .15836 | .15357 | .23463 | .08201 | 1.8942 | .69797 | .09376 | .33682 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .71660 | 1.8618 | .84931 | 1.8159 | .76059 | 2.0374 | .20259 | .18392 | .17512 |
| #2 | .71868 | 1.8595 | .84700 | 1.8106 | .76127 | 2.0103 | .20151 | .18412 | .17448 |
| #3 | .71955 | 1.8560 | .84712 | 1.8075 | .76184 | 1.9624 | .20432 | .18427 | .17395 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.393 | .39301 | .18395 | .30023 | 2.9618 | .19953 | 1.9535 | .46372 | .06962 |
| Stddev | .125   | .00083 | .00033 | .00118 | .0019  | .00026 | .0325  | .00173 | .00057 |
| %RSD   | .93091 | .21149 | .17748 | .39158 | .06498 | .13052 | 1.6658 | .37275 | .82170 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.258 | .39324 | .18432 | .30158 | 2.9630 | .19923 | 1.9720 | .46567 | .06944 |
| #2 | 13.504 | .39208 | .18384 | .29939 | 2.9596 | .19969 | 1.9726 | .46314 | .06916 |
| #3 | 13.417 | .39369 | .18370 | .29973 | 2.9628 | .19968 | 1.9159 | .46236 | .07026 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.7208 | .30601 | .18364 | 11.475 | .41444 | .42816 | 8.6567 | 1.3016 | .65376 |
| Stddev | .0608  | .00131 | .00050 | .105   | .00046 | .02976 | .0663  | .0060  | .00264 |
| %RSD   | .78742 | .42960 | .27310 | .91439 | .11152 | 6.9516 | .76558 | .46075 | .40381 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.6747 | .30745 | .18397 | 11.385 | .41498 | .39512 | 8.7332 | 1.3049 | .65680 |
| #2 | 7.6979 | .30573 | .18388 | 11.450 | .41422 | .43650 | 8.6177 | 1.3052 | .65202 |
| #3 | 7.7897 | .30486 | .18306 | 11.590 | .41414 | .45286 | 8.6192 | 1.2946 | .65247 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19335 | .19222 | 5.538  | .39236 | 5.4334 | .27899 |
| Stddev | .00412 | .00199 | .021   | .00301 | .1185  | .21878 |
| %RSD   | 2.1290 | 1.0375 | .3713  | .76725 | 2.1812 | 78.421 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .19004 | .19114 | 5.558 | .38889 | 5.3384 | .02641 |
| #2 | .19205 | .19100 | 5.539 | .39427 | 5.3955 | .40072 |
| #3 | .19796 | .19452 | 5.517 | .39393 | 5.5662 | .40984 |

Sample Name: K3585-13A      Acquired: 7/1/2019 19:08:12      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB121056BS      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       | 2437.7 | 27440. | 1708.0 | 27.567 | 2655.1 |
| Stddev    | 7.5    | 41.    | 10.7   | .344   | 13.9   |
| %RSD      | .30676 | .14888 | .62855 | 1.2472 | .52366 |
| #1        | 2432.6 | 27403. | 1708.8 | 27.964 | 2644.4 |
| #2        | 2434.1 | 27433. | 1696.9 | 27.391 | 2650.2 |
| #3        | 2446.3 | 27484. | 1718.3 | 27.348 | 2670.8 |

Sample Name: CCV09      Acquired: 7/1/2019 19:12:18      Type: Unk  
 Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV15209      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8877 | 5.0075 | 4.6195 | 4.9699 | 4.9336 | 9.9833 | 9.6645 | .24764   |
| Stddev | .0131  | .0035  | .0067  | .0060  | .0058  | .0568  | .0400  | .00025   |
| %RSD   | .26880 | .06928 | .14618 | .11986 | .11827 | .56936 | .41405 | .10007   |
| #1     | 4.8857 | 5.0037 | 4.6171 | 4.9704 | 4.9392 | 9.9204 | 9.6271 | .24741   |
| #2     | 4.9017 | 5.0084 | 4.6142 | 4.9757 | 4.9340 | 9.9984 | 9.6597 | .24790   |
| #3     | 4.8756 | 5.0105 | 4.6271 | 4.9638 | 4.9276 | 10.031 | 9.7067 | .24761   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4179 | 24.684 | .97073 | 2.4140 | 1.2460 | 4.9365 | 2.4852 | 23.977   |
| Stddev | .0025  | .099   | .00122 | .0025  | .0034  | .0109  | .0006  | .214     |
| %RSD   | .10466 | .40049 | .12569 | .10370 | .27699 | .22058 | .02248 | .89286   |
| #1     | 2.4155 | 24.571 | .97182 | 2.4118 | 1.2420 | 4.9249 | 2.4846 | 23.775   |
| #2     | 2.4175 | 24.753 | .97094 | 2.4134 | 1.2477 | 4.9382 | 2.4851 | 24.201   |
| #3     | 2.4205 | 24.728 | .96941 | 2.4167 | 1.2483 | 4.9465 | 2.4857 | 23.955   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4373 | 1.2248 | 23.973 | 2.4639 | 2.4151 | 24.283 | 5.0237 | 4.8870   |
| Stddev | .0032  | .0046  | .105   | .0034  | .0036  | .171   | .0032  | .0268    |
| %RSD   | .13044 | .37398 | .43966 | .13674 | .14926 | .70545 | .06443 | .54913   |
| #1     | 2.4358 | 1.2289 | 23.896 | 2.4673 | 2.4147 | 24.120 | 5.0216 | 4.8565   |
| #2     | 2.4351 | 1.2256 | 23.930 | 2.4606 | 2.4117 | 24.268 | 5.0274 | 4.8975   |
| #3     | 2.4409 | 1.2199 | 24.093 | 2.4637 | 2.4188 | 24.462 | 5.0221 | 4.9070   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9458 | 4.7795 | 4.8775 | 4.8346 | 4.9329 | 5.159  | 5.1294 | F 6.4072 |
| Stddev | .0023  | .0392  | .0096  | .0318  | .0130  | .010   | .0152  | .2506    |
| %RSD   | .04643 | .81933 | .19716 | .65757 | .26384 | .1901  | .29664 | 3.9113   |
| #1     | 4.9483 | 4.8014 | 4.8753 | 4.8253 | 4.9231 | 5.169  | 5.1282 | 6.5853   |
| #2     | 4.9437 | 4.8028 | 4.8692 | 4.8701 | 4.9476 | 5.149  | 5.1452 | 6.1206   |
| #3     | 4.9454 | 4.7343 | 4.8881 | 4.8086 | 4.9279 | 5.158  | 5.1149 | 6.5157   |



Sample Name: CCV09      Acquired: 7/1/2019 19:12:18      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV15209      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.7550  
Stddev      .4918  
%RSD      17.851

#1      2.7927  
#2      2.2455  
#3      3.2269

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2359.8 | 26630. | 1705.4 | 26.531 | 2401.3 |
| Stddev    | 4.3    | 46.    | 12.7   | .652   | 4.7    |
| %RSD      | .18280 | .17441 | .74667 | 2.4558 | .19753 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2355.6 | 26618. | 1700.3 | 27.090 | 2395.9 |
| #2 | 2359.6 | 26590. | 1696.0 | 26.688 | 2403.0 |
| #3 | 2364.2 | 26681. | 1719.9 | 25.816 | 2404.9 |

Sample Name: CCB09      Acquired: 7/1/2019 19:16:15      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB15209      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |         |         |         |        |         |
|--------|---------|--------|---------|---------|---------|---------|--------|---------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00223 | .00235 | -.00592 | -.00437 | -.00016 | -.02338 | .00245 | -.00009 |
| Stddev | .00129  | .00023 | .00026  | .00334  | .00119  | .00806  | .00045 | .00002  |
| %RSD   | 57.656  | 9.7645 | 4.3870  | 76.531  | 748.65  | 34.487  | 18.286 | 20.700  |

|    |         |        |         |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|---------|--------|---------|
| #1 | -.00121 | .00259 | -.00563 | -.00513 | .00111  | -.01878 | .00200 | -.00009 |
| #2 | -.00368 | .00234 | -.00613 | -.00727 | -.00035 | -.03269 | .00245 | -.00008 |
| #3 | -.00181 | .00213 | -.00601 | -.00071 | -.00124 | -.01868 | .00290 | -.00012 |

|        |        |         |        |        |         |         |        |         |
|--------|--------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00009 | -.01462 | .00030 | .00033 | -.00044 | -.00095 | .00001 | -.07540 |
| Stddev | .00005 | .01724  | .00004 | .00036 | .00023  | .00019  | .00006 | .04398  |
| %RSD   | 60.862 | 117.96  | 13.969 | 108.22 | 52.308  | 20.150  | 519.00 | 58.334  |

|    |        |         |        |         |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|---------|
| #1 | .00011 | -.02828 | .00034 | .00065  | -.00043 | -.00093 | -.00005 | -.12174 |
| #2 | .00012 | .00476  | .00029 | .00041  | -.00021 | -.00115 | .00002  | -.07024 |
| #3 | .00003 | -.02033 | .00026 | -.00006 | -.00067 | -.00076 | .00006  | -.03422 |

|        |        |        |         |         |        |         |        |         |
|--------|--------|--------|---------|---------|--------|---------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00091 | .00007 | -.22548 | -.00040 | .00043 | -.12755 | .00103 | -.01748 |
| Stddev | .00063 | .00051 | .00973  | .00021  | .00007 | .04074  | .00023 | .01183  |
| %RSD   | 69.314 | 676.94 | 4.3147  | 51.801  | 17.268 | 31.941  | 22.350 | 67.663  |

|    |        |         |         |         |        |         |        |         |
|----|--------|---------|---------|---------|--------|---------|--------|---------|
| #1 | .00163 | -.00048 | -.23152 | -.00058 | .00049 | -.16953 | .00129 | -.01251 |
| #2 | .00068 | .00052  | -.21426 | -.00017 | .00045 | -.08817 | .00088 | -.03099 |
| #3 | .00043 | .00018  | -.23067 | -.00045 | .00035 | -.12496 | .00091 | -.00895 |

|        |         |        |         |         |         |        |        |          |
|--------|---------|--------|---------|---------|---------|--------|--------|----------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670   |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm      |
| Avg    | -.00425 | .00407 | -.00057 | -.00212 | -.00956 | -.0001 | .00022 | F 5.3494 |
| Stddev | .00631  | .00203 | .00062  | .00056  | .00145  | .0004  | .00012 | .0897    |
| %RSD   | 148.53  | 49.881 | 108.07  | 26.329  | 15.117  | 320.8  | 54.429 | 1.6775   |

|    |         |        |         |         |         |        |        |        |
|----|---------|--------|---------|---------|---------|--------|--------|--------|
| #1 | -.00950 | .00264 | -.00129 | -.00264 | -.00896 | -.0003 | .00032 | 5.4067 |
| #2 | .00275  | .00640 | -.00029 | -.00219 | -.01121 | -.0004 | .00009 | 5.2460 |
| #3 | -.00599 | .00318 | -.00015 | -.00153 | -.00852 | .0003  | .00024 | 5.3955 |

Sample Name: CCB09      Acquired: 7/1/2019 19:16:15      Type: Unk  
Method: P4-ICP2(v3245)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB15209      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .42121 |
| Stddev | .21480   |
| %RSD   | 50.996   |

|    |        |
|----|--------|
| #1 | .40534 |
| #2 | .21479 |
| #3 | .64351 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2449.4 | 27328. | 1715.0 | 28.025 | 2696.2 |
| Stddev    | 7.5    | 84.    | 11.0   | .740   | 7.4    |
| %RSD      | .30680 | .30689 | .63885 | 2.6412 | .27459 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2440.8 | 27381. | 1711.3 | 28.877 | 2688.1 |
| #2 | 2454.8 | 27231. | 1727.4 | 27.655 | 2702.5 |
| #3 | 2452.5 | 27372. | 1706.4 | 27.543 | 2698.0 |