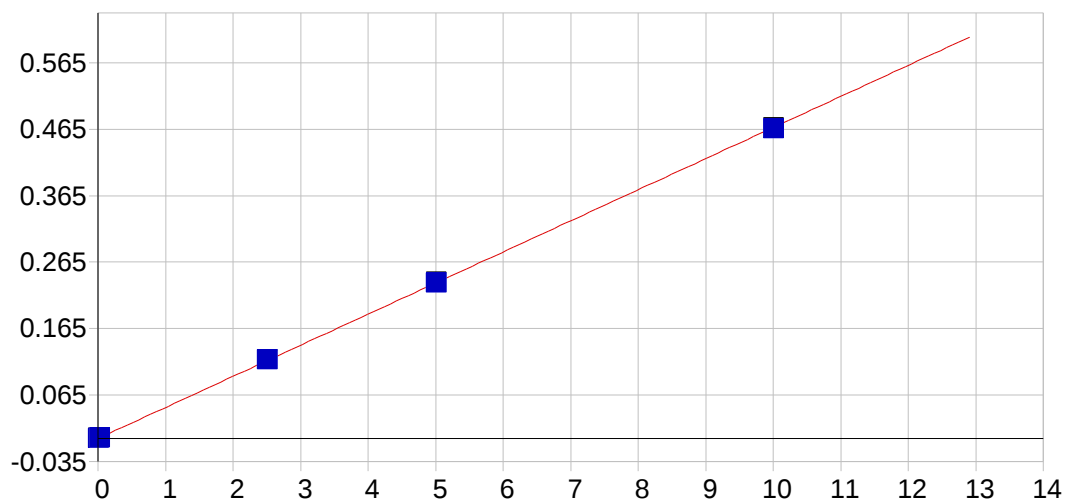




As 189.042 {478}

Date of Fit: 5/17/2019 16:08:38

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000441

Re-Slope: 1.000000

A1 (Gain): 0.046793

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999980

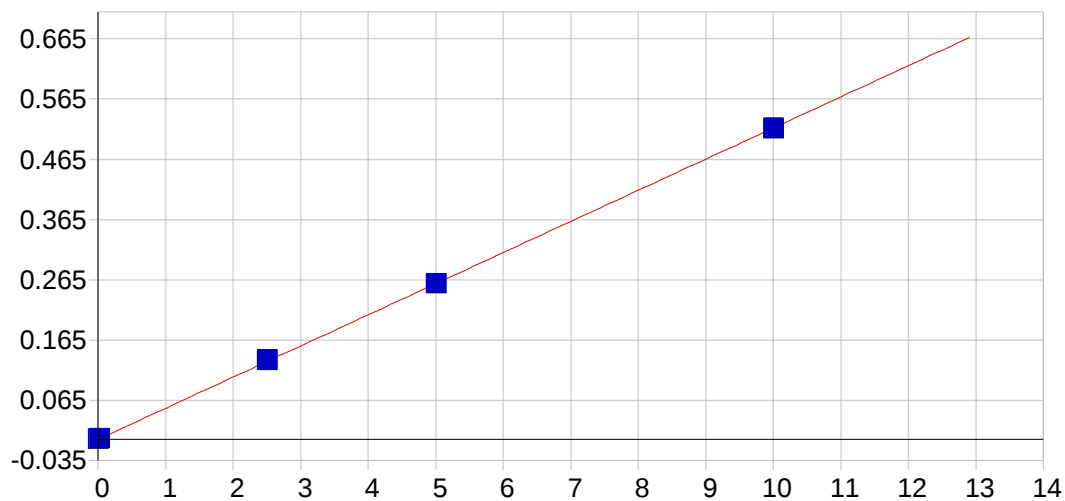
Status: OK.

Std Error of Est: 0.000007

Predicted MDL: 0.003059

Predicted MQL: 0.010197

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00044 | .000    | 1        |
| S1        | .02000       | .02236      | .002       | 11.8    | .00060  | .000    | 1        |
| S3        | 2.5000       | 2.5266      | .027       | 1.06    | .11778  | .001    | 1        |
| S4        | 5.0000       | 5.0061      | .006       | .123    | .23379  | .000    | 1        |
| S5        | 10.000       | 9.9649      | -.035      | -.351   | .46581  | .001    | 1        |



As 189.042 {479}

Date of Fit: 5/17/2019 16:08:38

Type of Fit: Linear

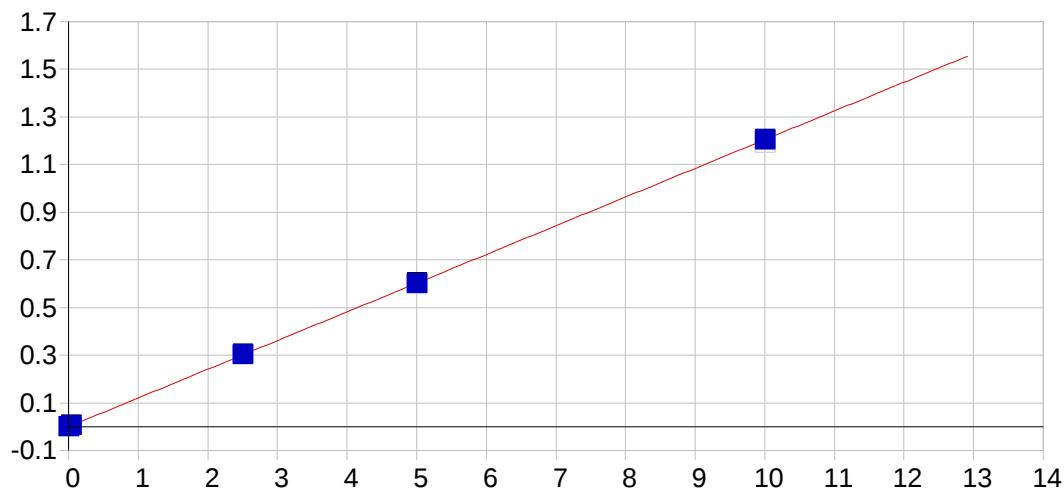
Weighting: 1/Conc

A0 (Offset): -0.000116

Re-Slope: 1.000000

A1 (Gain): 0.051710 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999978 Status: OK.  
 Std Error of Est: 0.000008  
 Predicted MDL: 0.002252  
 Predicted MQL: 0.007507

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00012 | .000    | 1        |
| S1        | .02000       | .02134      | .001       | 6.72    | .00099  | .000    | 1        |
| S3        | 2.5000       | 2.5380      | .038       | 1.52    | .13112  | .001    | 1        |
| S4        | 5.0000       | 4.9937      | -.006      | -.126   | .25811  | .000    | 1        |
| S5        | 10.000       | 9.9670      | -.033      | -.330   | .51528  | .002    | 1        |

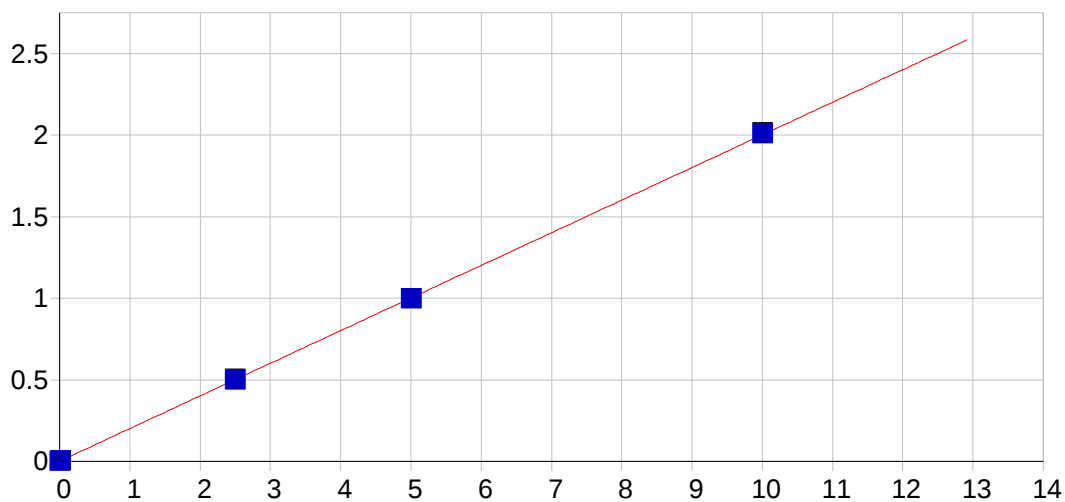


TI 190.856 {477}

Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000157 Re-Slope: 1.000000  
 A1 (Gain): 0.120481 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999992 Status: OK.  
 Std Error of Est: 0.000017  
 Predicted MDL: 0.001124  
 Predicted MQL: 0.003748

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00016 | .000    | 1        |
| S1        | .04000       | .04194      | .002       | 4.85    | .00477  | .000    | 1        |
| S3        | 2.5000       | 2.5200      | .020       | .802    | .30037  | .001    | 1        |
| S4        | 5.0000       | 4.9918      | -.008      | -.164   | .59508  | .001    | 1        |
| S5        | 10.000       | 9.9863      | -.014      | -.137   | 1.1906  | .004    | 1        |

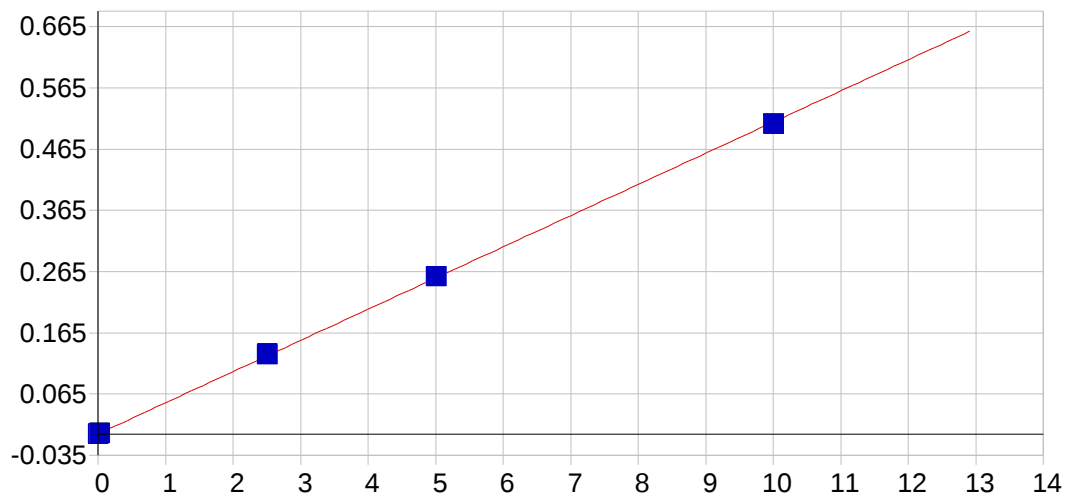


Pb 220.353 (453)

Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001556 Re-Slope: 1.000000  
 A1 (Gain): 0.199949 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999989 Status: OK.  
 Std Error of Est: 0.000018  
 Predicted MDL: 0.000983  
 Predicted MQL: 0.003275

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00156 | .000    | 1        |
| S1        | .01200       | .01223      | .000       | 1.89    | .00395 | .000    | 1        |
| S3        | 2.5000       | 2.4898      | -.010      | -.409   | .49865 | .002    | 1        |
| S4        | 5.0000       | 4.9700      | -.030      | -.600   | .99384 | .001    | 1        |
| S5        | 10.000       | 10.040      | .040       | .400    | 2.0061 | .005    | 1        |



Se 196.090 (472)

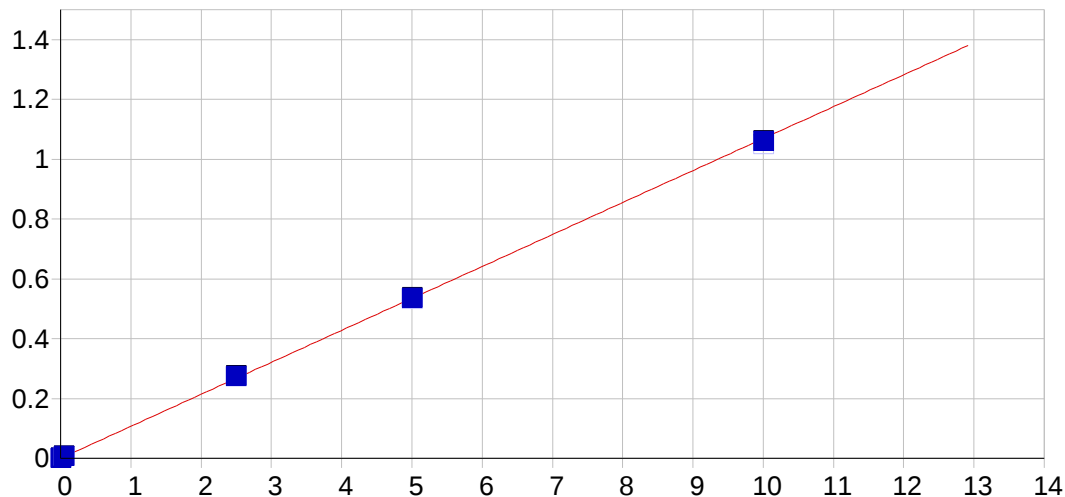
Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000151 Re-Slope: 1.000000  
 A1 (Gain): 0.050918 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999945  
 Std Error of Est: 0.000013  
 Predicted MDL: 0.002829  
 Predicted MQL: 0.009431

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00015 | .000    | 1        |
| S1        | .02000       | .02287      | .003       | 14.3    | .00101  | .000    | 1        |
| S3        | 2.5000       | 2.5414      | .041       | 1.65    | .12922  | .001    | 1        |
| S4        | 5.0000       | 5.0332      | .033       | .664    | .25607  | .000    | 1        |
| S5        | 10.000       | 9.9226      | -.077      | -.774   | .50498  | .002    | 1        |



Sb 206.833 {463}

Date of Fit: 5/17/2019 16:08:38

Type of Fit: Linear

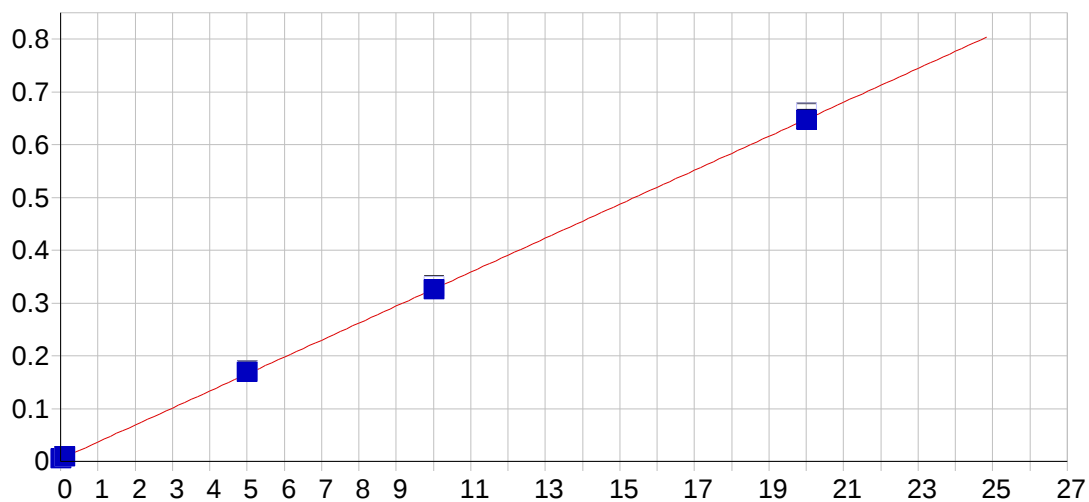
Weighting: 1/Conc

A0 (Offset): 0.000293  
 A1 (Gain): 0.106861  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999918  
 Std Error of Est: 0.000052  
 Predicted MDL: 0.001736  
 Predicted MQL: 0.005785

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    | .00029 | .000    | 1        |
| S1        | .05000       | .05360      | .004       | 7.20    | .00589 | .000    | 1        |
| S3        | 2.5000       | 2.5679      | .068       | 2.72    | .27170 | .002    | 1        |
| S4        | 5.0000       | 5.0111      | .011       | .221    | .52977 | .002    | 1        |
| S5        | 10.000       | 9.9174      | -.083      | -.826   | 1.0481 | .001    | 1        |

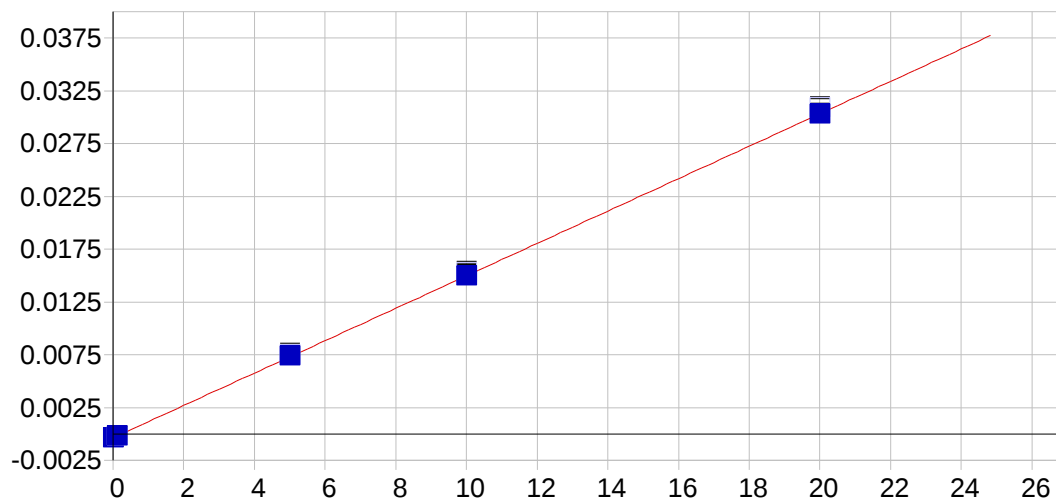


AI 308.215 {109}

Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004475 Re-Slope: 1.000000  
 A1 (Gain): 0.032185 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999953 Status: OK.  
 Std Error of Est: 0.000024  
 Predicted MDL: 0.002781  
 Predicted MQL: 0.009271

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00447 | .000    | 1        |
| S1        | .10000       | .11334      | .013       | 13.3    | .00835 | .000    | 1        |
| S3        | 5.0000       | 5.0813      | .081       | 1.63    | .17122 | .000    | 1        |
| S4        | 10.000       | 9.9622      | -.038      | -.378   | .33151 | .000    | 1        |
| S5        | 20.000       | 19.943      | -.057      | -.287   | .65914 | .001    | 1        |



AI 309.271 {109}

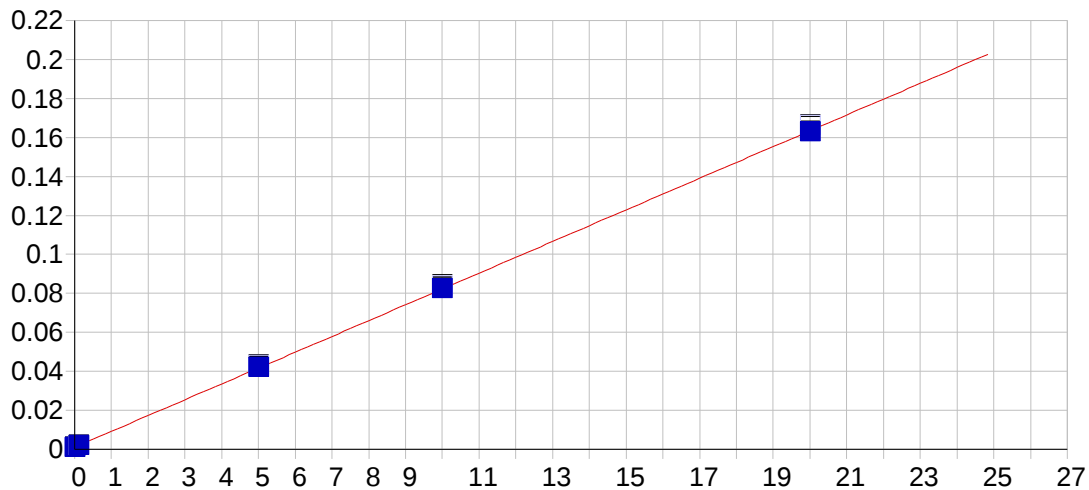
Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000379 Re-Slope: 1.000000  
 A1 (Gain): 0.001535 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999991  
 Std Error of Est: 0.000001  
 Predicted MDL: 0.034981  
 Predicted MQL: 0.116603

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00038 | .000    | 1        |
| S1        | .10000       | .10241      | .002       | 2.41    | -.00021 | .000    | 1        |
| S3        | 5.0000       | 5.0506      | .051       | 1.01    | .00753  | .000    | 1        |
| S4        | 10.000       | 9.9765      | -.023      | -.235   | .01524  | .000    | 1        |
| S5        | 20.000       | 19.970      | -.030      | -.148   | .03089  | .000    | 1        |



Date of Fit: 5/17/2019 16:08:38

Type of Fit: Linear

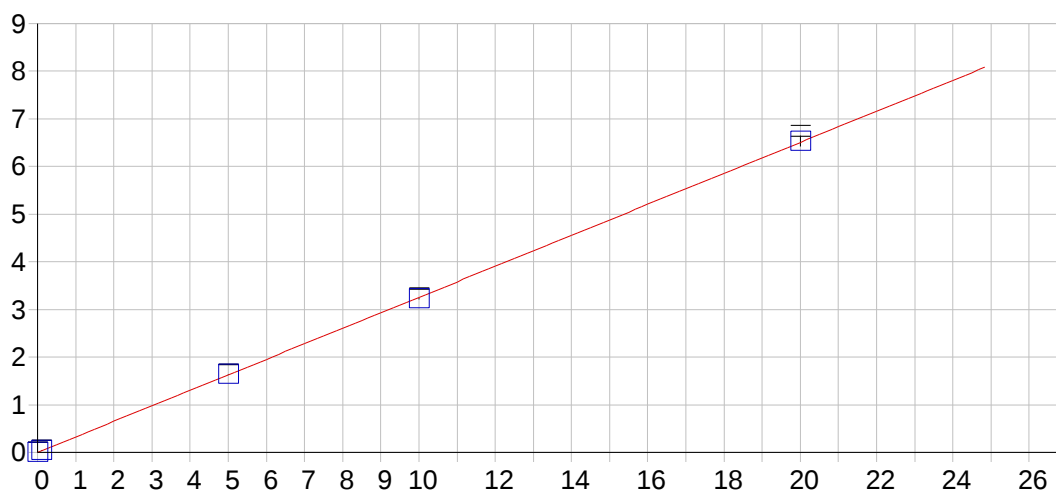
Weighting: 1/Conc

A0 (Offset): 0.001093  
 A1 (Gain): 0.008116  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999965  
 Std Error of Est: 0.000005  
 Predicted MDL: 0.011967  
 Predicted MQL: 0.039889

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    | .00109 | .000    | 1        |
| S1        | .10000       | .11290      | .013       | 12.9    | .00207 | .000    | 1        |
| S3        | 5.0000       | 5.0556      | .056       | 1.11    | .04293 | .000    | 1        |
| S4        | 10.000       | 10.003      | .003       | .026    | .08390 | .000    | 1        |
| S5        | 20.000       | 19.928      | -.072      | -.358   | .16607 | .000    | 1        |

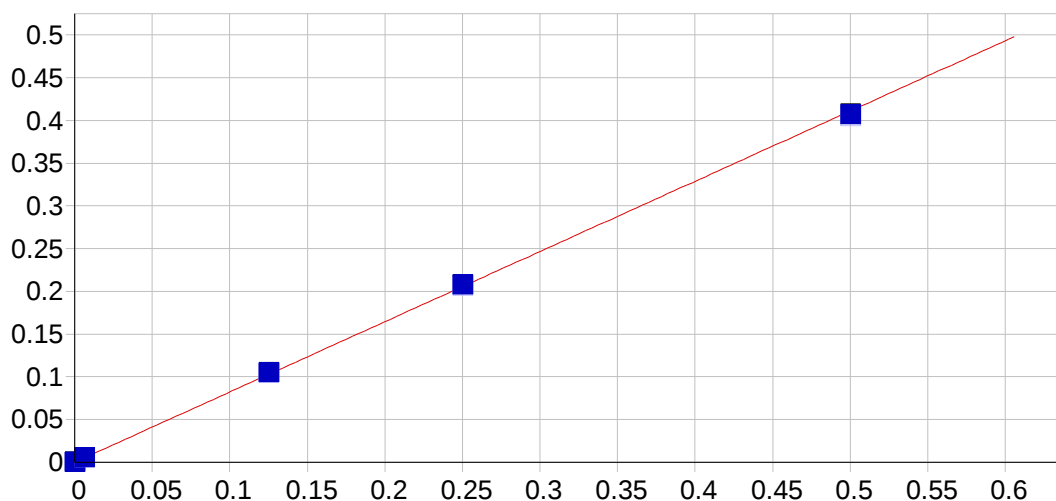


Ba 493.409 { 68}

Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000936 Re-Slope: 1.000000  
 A1 (Gain): 0.325347 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999980 Status: OK.  
 Std Error of Est: 0.000159  
 Predicted MDL: 0.000557  
 Predicted MQL: 0.001858

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00093 | .000    | 1        |
| S1        | .10000       | .10451      | .005       | 4.51    | .03494 | .000    | 1        |
| S3        | 5.0000       | 5.0185      | .018       | .369    | 1.6337 | .006    | 1        |
| S5        | 20.000       | 20.072      | .072       | .361    | 6.5314 | .115    | 1        |
| S4        | 10.000       | 9.9048      | -.095      | -.952   | 3.2234 | .017    | 1        |



Be 234.861 {144}

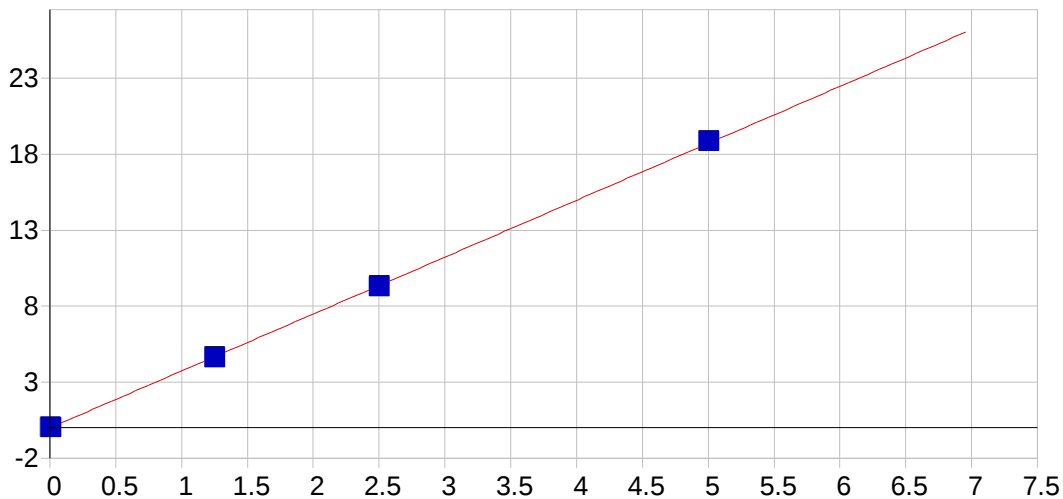
Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000105 Re-Slope: 1.000000  
 A1 (Gain): 0.821886 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999911  
 Std Error of Est: 0.000032  
 Predicted MDL: 0.000070  
 Predicted MQL: 0.000235

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00010 | .000    | 1        |
| S1        | .00600       | .00651      | .001       | 8.45    | .00540 | .000    | 1        |
| S3        | .12500       | .12752      | .003       | 2.02    | .10427 | .000    | 1        |
| S4        | .25000       | .25185      | .002       | .741    | .20581 | .001    | 1        |
| S5        | .50000       | .49512      | -.005      | -.976   | .40445 | .000    | 1        |



Cd 226.502 {449}

Date of Fit: 5/17/2019 16:08:38

Type of Fit: Linear

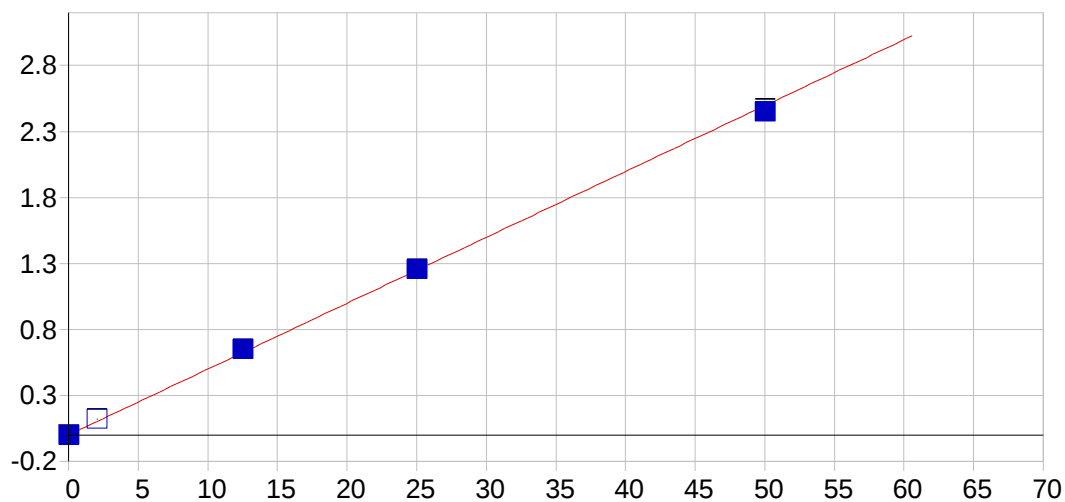
Weighting: 1/Conc

A0 (Offset): -0.000351  
 A1 (Gain): 3.742044  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999970  
 Std Error of Est: 0.000271  
 Predicted MDL: 0.000067  
 Predicted MQL: 0.000224

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    | -.00035 | .000    | 1        |
| S1        | .00600       | .00596      | -.000      | -.624   | .02200  | .000    | 1        |
| S3        | 1.2500       | 1.2346      | -.015      | -1.23   | 4.6207  | .022    | 1        |
| S4        | 2.5000       | 2.4826      | -.017      | -.696   | 9.2918  | .011    | 1        |
| S5        | 5.0000       | 5.0328      | .033       | .656    | 18.837  | .036    | 1        |

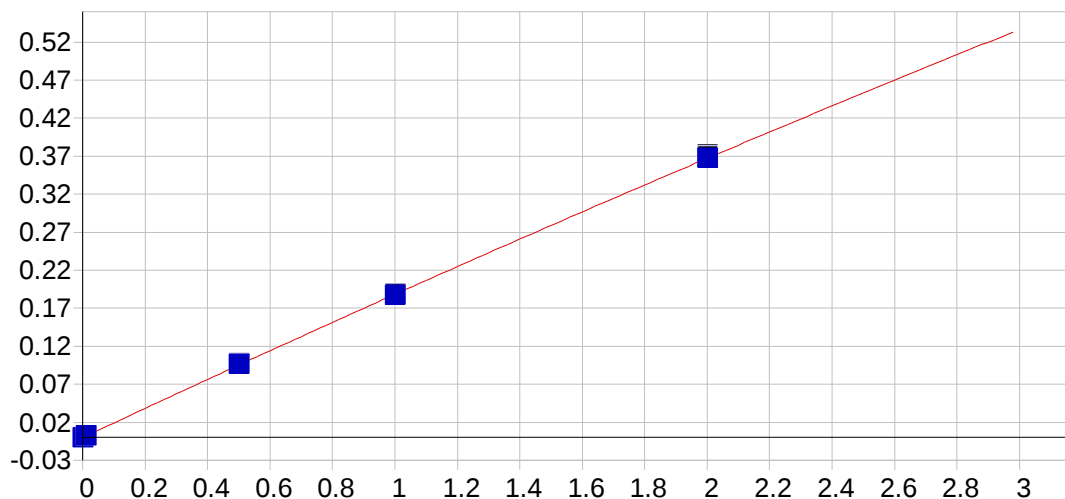


Ca 373.690 { 90}

Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000010 Re-Slope: 1.000000  
 A1 (Gain): 0.049925 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999407 Status: OK.  
 Std Error of Est: 0.000939  
 Predicted MDL: 0.015854  
 Predicted MQL: 0.052848

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.3761      | .376       | 18.8    | .11862  | .000    | 1        |
| S0        | .00000       | -.00042     | -.000      | .000    | -.00003 | .001    | 1        |
| S3        | 12.500       | 12.963      | .463       | 3.71    | .64751  | .002    | 1        |
| S4        | 25.000       | 25.105      | .105       | .420    | 1.2540  | .003    | 1        |
| S5        | 50.000       | 49.056      | -.944      | -1.89   | 2.4504  | .020    | 1        |



Cr 267.716 {126}

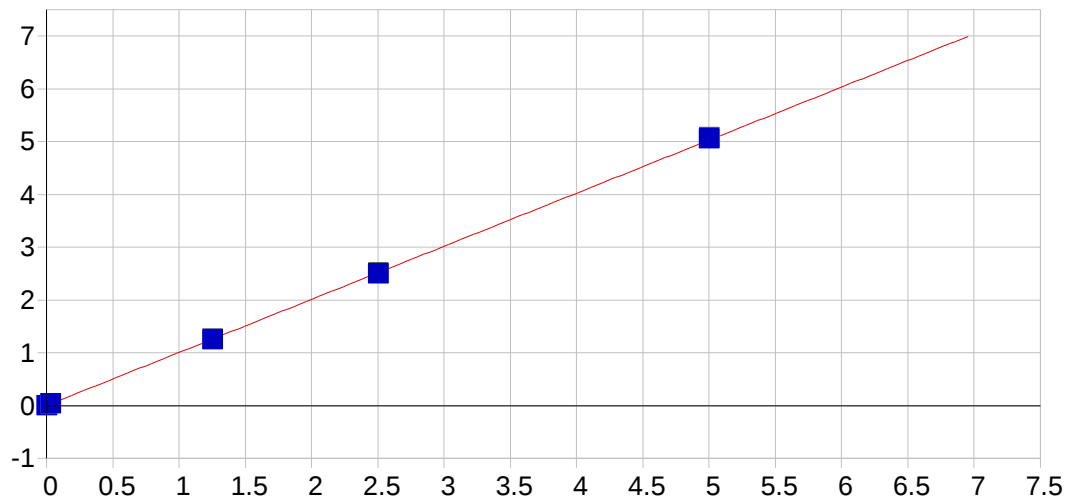
Date of Fit: 5/17/2019 16:08:38 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): -0.000196 Re-Slope: 1.000000  
 A1 (Gain): 0.193193 Y-int: 0.000000

A2 (Curvature): -0.004762  
 n (Exponent): 1.000000  
 Correlation: 0.999985  
 Std Error of Est: 0.000010  
 Predicted MDL: 0.000418  
 Predicted MQL: 0.001395

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00020 | .000    | 1        |
| S1        | .01000       | .01044      | .000       | 4.39    | .00183  | .000    | 1        |
| S3        | .50000       | .50400      | .004       | .800    | .09672  | .000    | 1        |
| S4        | 1.0000       | .99293      | -.007      | -.707   | .18846  | .000    | 1        |
| S5        | 2.0000       | 2.0026      | .003       | .132    | .37064  | .001    | 1        |



Co 228.616 {447}

Date of Fit: 5/17/2019 16:08:38

Type of Fit: Linear

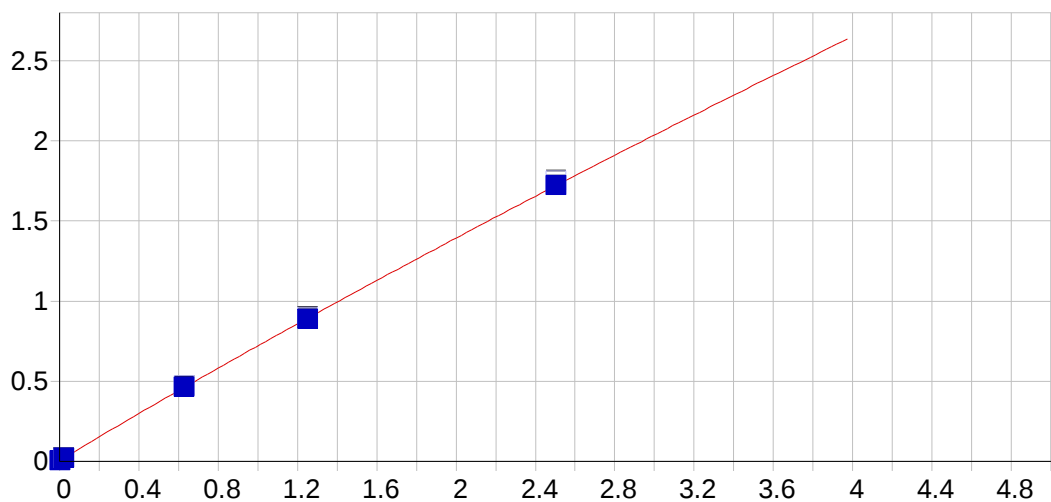
Weighting: 1/Conc

A0 (Offset): -0.000367  
 A1 (Gain): 1.005825  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999981  
 Std Error of Est: 0.000129  
 Predicted MDL: 0.000212  
 Predicted MQL: 0.000706

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    | -.00037 | .000    | 1        |
| S1        | .03000       | .02944      | -.001      | -1.86   | .02904  | .000    | 1        |
| S3        | 1.2500       | 1.2420      | -.008      | -.642   | 1.2498  | .005    | 1        |
| S4        | 2.5000       | 2.4821      | -.018      | -.717   | 2.4981  | .002    | 1        |
| S5        | 5.0000       | 5.0265      | .027       | .530    | 5.0594  | .015    | 1        |

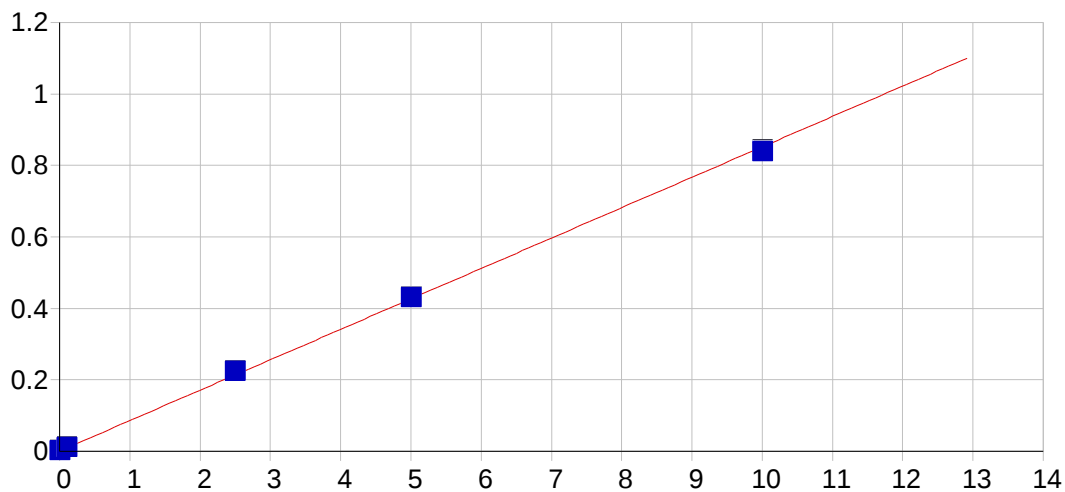


Cu 224.700 {450}

Date of Fit: 5/17/2019 16:08:38 Type of Fit: Full Fit Weighting: 1/Conc

A0 (Offset): 0.003021 Re-Slope: 1.000000  
 A1 (Gain): 0.730777 Y-int: 0.000000  
 A2 (Curvature): -0.012903  
 n (Exponent): 0.980000  
 Correlation: 0.999980 Status: OK.  
 Std Error of Est: 0.000093  
 Predicted MDL: 0.000359  
 Predicted MQL: 0.001197

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00302 | .000    | 1        |
| S1        | .02000       | .01949      | -.001      | -2.54   | .01865 | .000    | 1        |
| S3        | .62500       | .63211      | .007       | 1.14    | .47134 | .002    | 1        |
| S4        | 1.2500       | 1.2400      | -.010      | -.800   | .90039 | .001    | 1        |
| S5        | 2.5000       | 2.5034      | .003       | .136    | 1.7508 | .002    | 1        |



Fe 240.488 {140}

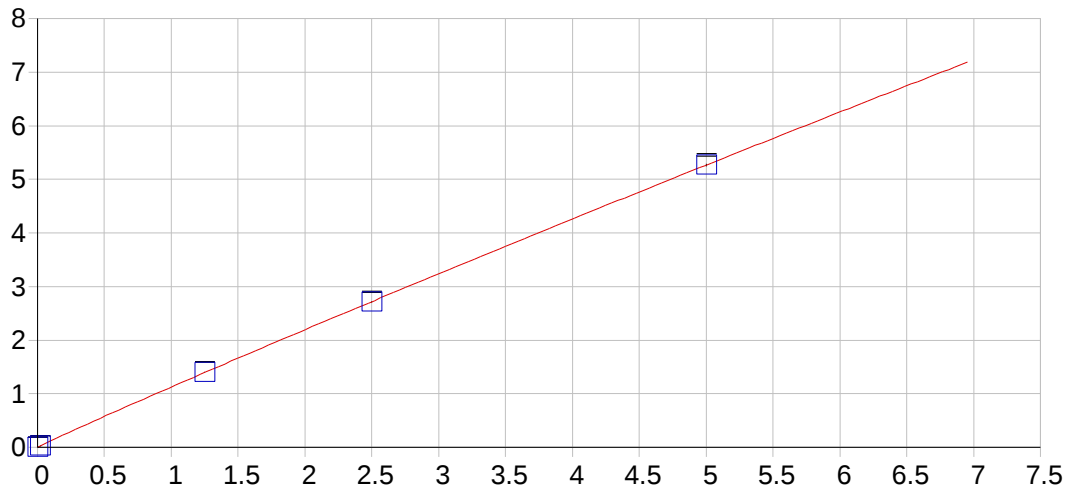
Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000994 Re-Slope: 1.000000  
 A1 (Gain): 0.085096 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999759  
 Std Error of Est: 0.000101  
 Predicted MDL: 0.000714  
 Predicted MQL: 0.002381

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00099 | .000    | 1        |
| S1        | .10000       | .10857      | .009       | 8.57    | .01027 | .000    | 1        |
| S3        | 2.5000       | 2.6123      | .112       | 4.49    | .22409 | .000    | 1        |
| S4        | 5.0000       | 5.0369      | .037       | .739    | .43121 | .000    | 1        |
| S5        | 10.000       | 9.8422      | -.158      | -1.58   | .84170 | .001    | 1        |



Mn 257.610 {131}

Date of Fit: 5/17/2019 16:08:38

Type of Fit: Full Fit

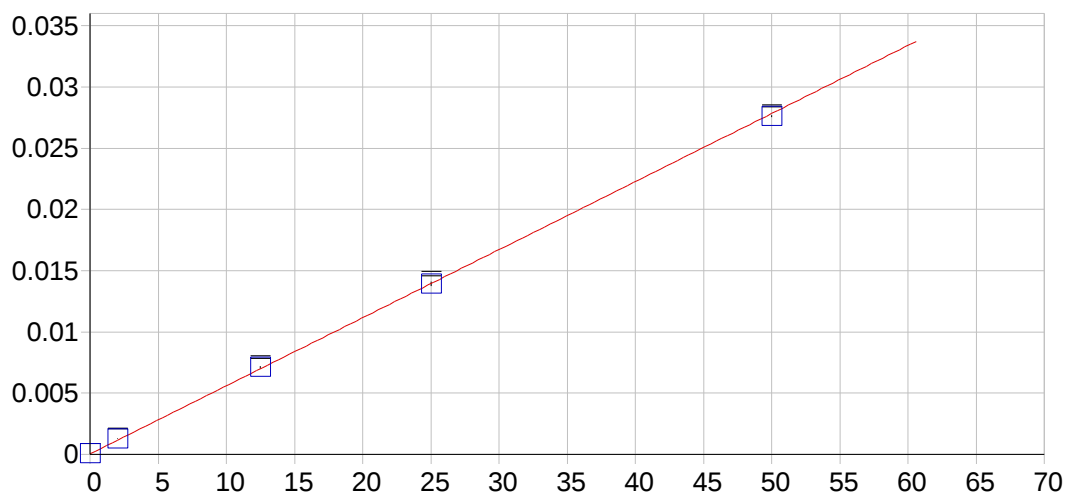
Weighting: 1/Conc

A0 (Offset): 0.000674  
 A1 (Gain): 1.130966  
 A2 (Curvature): -0.005448  
 n (Exponent): 0.970000  
 Correlation: 0.999997  
 Std Error of Est: 0.000084  
 Predicted MDL: 0.000064  
 Predicted MQL: 0.000214

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    | .00067 | .000    | 1        |
| S1        | .02000       | .01956      | -.000      | -2.19   | .02557 | .000    | 1        |
| S3        | 1.2500       | 1.2556      | .006       | .444    | 1.4025 | .007    | 1        |
| S4        | 2.5000       | 2.4924      | -.008      | -.305   | 2.7112 | .007    | 1        |
| S5        | 5.0000       | 5.0025      | .003       | .051    | 5.2678 | .025    | 1        |

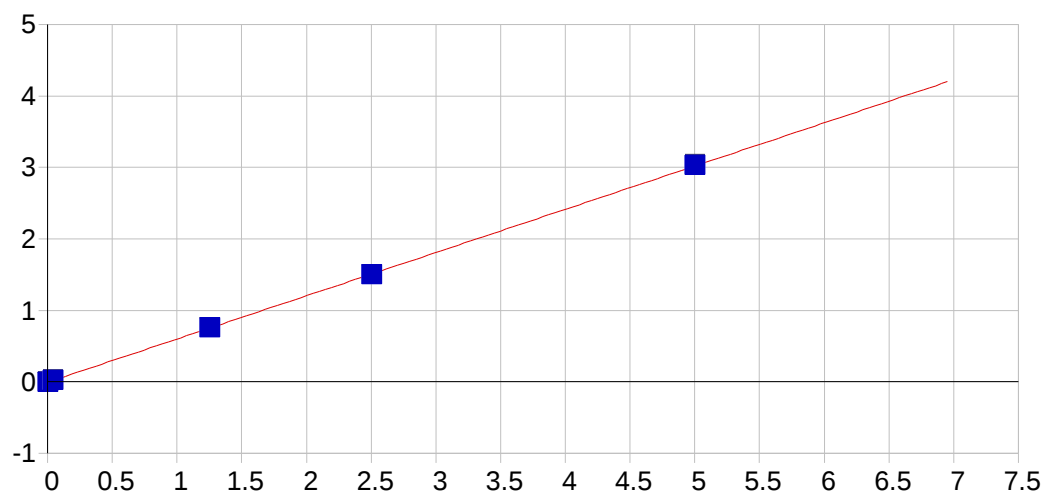


Mg 279.079 {121}

Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000042 Re-Slope: 1.000000  
 A1 (Gain): 0.000556 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999859 Status: OK.  
 Std Error of Est: 0.000005  
 Predicted MDL: 0.050034  
 Predicted MQL: 0.166780

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1899      | .190       | 9.49    | .00126 | .000    | 1        |
| S0        | .00000       | -.00021     | -.000      | .000    | .00004 | .000    | 1        |
| S3        | 12.500       | 12.726      | .226       | 1.80    | .00711 | .000    | 1        |
| S4        | 25.000       | 24.972      | -.028      | -.112   | .01392 | .000    | 1        |
| S5        | 50.000       | 49.613      | -.387      | -.775   | .02761 | .000    | 1        |



Ni 231.604 {445}

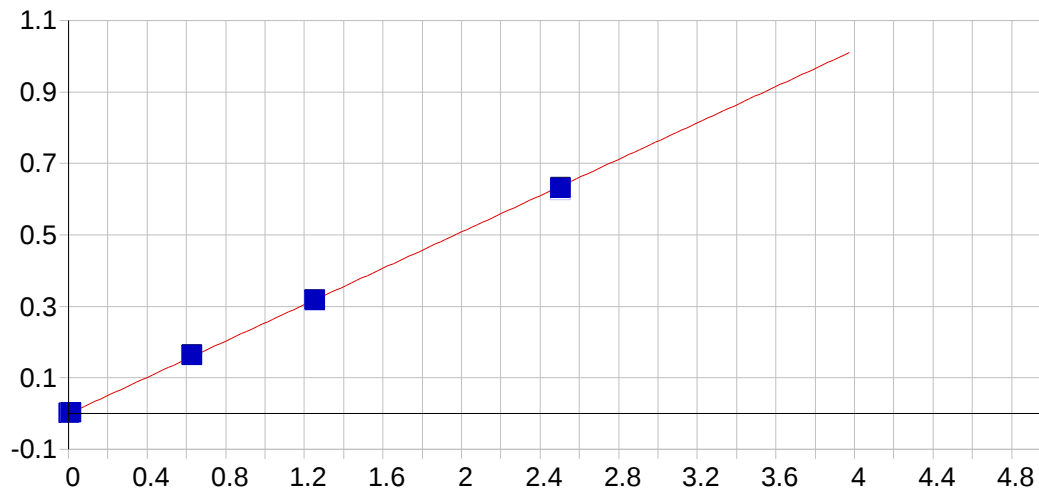
Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.005948 Re-Slope: 1.000000  
 A1 (Gain): 0.605016 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999986  
 Std Error of Est: 0.000079  
 Predicted MDL: 0.000372  
 Predicted MQL: 0.001240

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00595 | .000    | 1        |
| S1        | .04000       | .04062      | .001       | 1.56    | .01864  | .000    | 1        |
| S3        | 1.2500       | 1.2568      | .007       | .547    | .75529  | .004    | 1        |
| S4        | 2.5000       | 2.4793      | -.021      | -.827   | 1.4957  | .002    | 1        |
| S5        | 5.0000       | 5.0132      | .013       | .264    | 3.0304  | .008    | 1        |



Ag 328.068 {103}

Date of Fit: 5/17/2019 16:08:38

Type of Fit: Linear

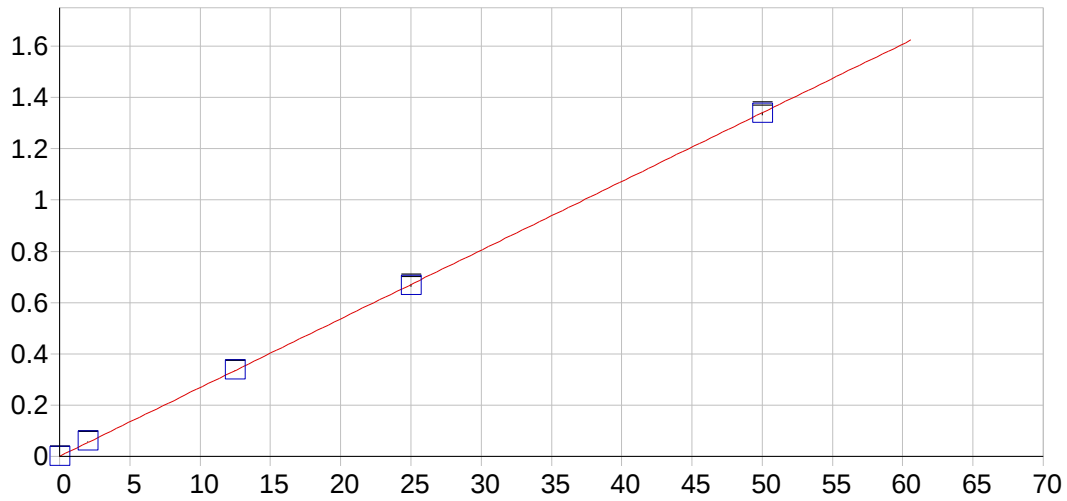
Weighting: 1/Conc

A0 (Offset): -0.000462  
 A1 (Gain): 0.254306  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999893  
 Std Error of Est: 0.000031  
 Predicted MDL: 0.000538  
 Predicted MQL: 0.001792

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    | -.00046 | .000    | 1        |
| S1        | .01000       | .01081      | .001       | 8.09    | .00224  | .000    | 1        |
| S3        | .62500       | .64603      | .021       | 3.36    | .16202  | .000    | 1        |
| S4        | 1.2500       | 1.2464      | -.004      | -.289   | .31288  | .000    | 1        |
| S5        | 2.5000       | 2.4818      | -.018      | -.729   | .62343  | .001    | 1        |

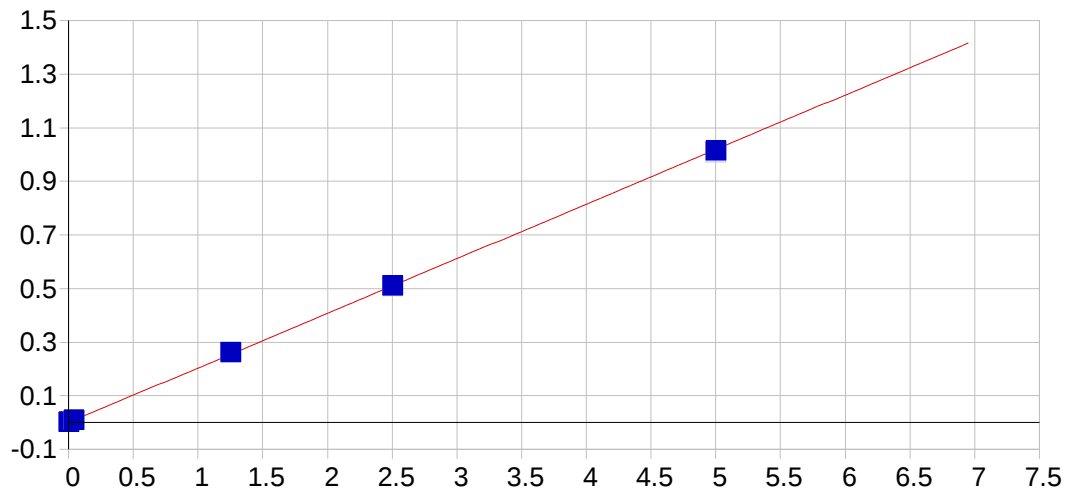


Na 589.592 { 57}

Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000430 Re-Slope: 1.000000  
 A1 (Gain): 0.026796 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999873 Status: OK.  
 Std Error of Est: 0.000233  
 Predicted MDL: 0.009057  
 Predicted MQL: 0.030188

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.2088      | .209       | 10.4    | .05962 | .001    | 1        |
| S0        | .00000       | -.00020     | -.000      | .000    | .00042 | .000    | 1        |
| S3        | 12.500       | 12.531      | .031       | .250    | .33622 | .001    | 1        |
| S4        | 25.000       | 24.884      | -.116      | -.465   | .66723 | .005    | 1        |
| S5        | 50.000       | 49.876      | -.124      | -.248   | 1.3369 | .006    | 1        |



V 292.402 {115}

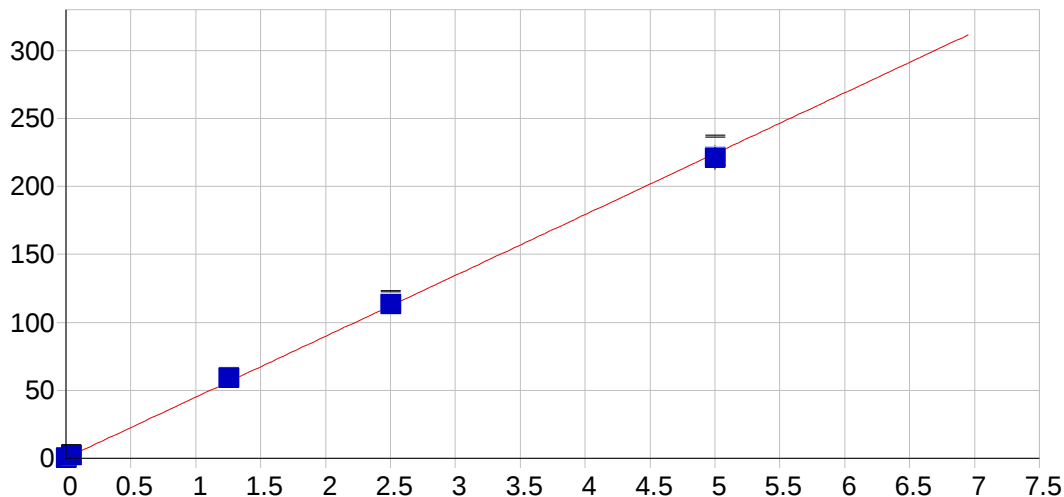
Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000229 Re-Slope: 1.000000  
 A1 (Gain): 0.203764 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999943  
 Std Error of Est: 0.000052  
 Predicted MDL: 0.000452  
 Predicted MQL: 0.001507

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00023 | .000    | 1        |
| S1        | .04000       | .04309      | .003       | 7.73    | .00842  | .000    | 1        |
| S3        | 1.2500       | 1.2765      | .026       | 2.12    | .25820  | .000    | 1        |
| S4        | 2.5000       | 2.5014      | .001       | .056    | .50614  | .001    | 1        |
| S5        | 5.0000       | 4.9691      | -.031      | -.619   | 1.0056  | .000    | 1        |



Zn 206.200 {163}

Date of Fit: 5/17/2019 16:08:38

Type of Fit: Linear

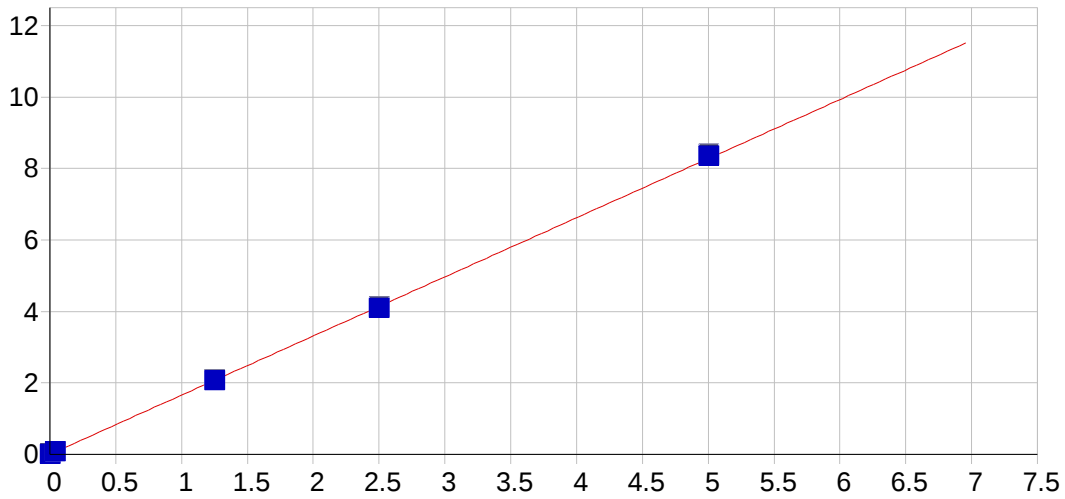
Weighting: 1/Conc

A0 (Offset): 0.205528  
 A1 (Gain): 44.776917  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999781  
 Std Error of Est: 0.022835  
 Predicted MDL: 0.000450  
 Predicted MQL: 0.001499

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    | .20538 | .013    | 1        |
| S1        | .04000       | .04173      | .002       | 4.32    | 2.0858 | .068    | 1        |
| S3        | 1.2500       | 1.3048      | .055       | 4.38    | 58.967 | .139    | 1        |
| S4        | 2.5000       | 2.5221      | .022       | .884    | 113.81 | 1.94    | 1        |
| S5        | 5.0000       | 4.9214      | -.079      | -1.57   | 221.92 | 8.21    | 1        |

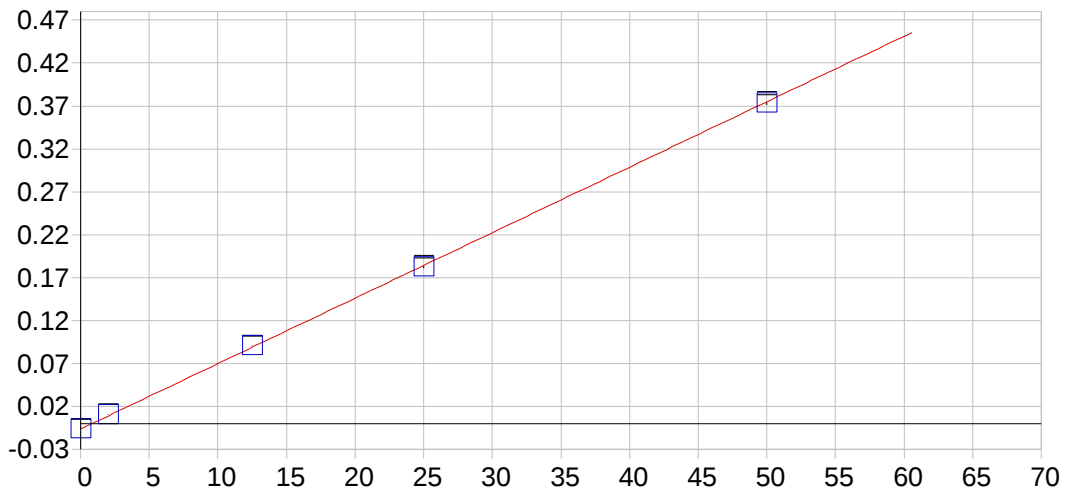


Zn 213.856 {458}

Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004242 Re-Slope: 1.000000  
 A1 (Gain): 1.654279 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999960 Status: OK.  
 Std Error of Est: 0.000362  
 Predicted MDL: 0.000097  
 Predicted MQL: 0.000325

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00425 | .000    | 1        |
| S1        | .04000       | .03837      | -.002      | -4.06   | .06819 | .000    | 1        |
| S3        | 1.2500       | 1.2435      | -.006      | -.519   | 2.0745 | .008    | 1        |
| S4        | 2.5000       | 2.4708      | -.029      | -1.17   | 4.1181 | .005    | 1        |
| S5        | 5.0000       | 5.0373      | .037       | .746    | 8.3901 | .014    | 1        |



K 766.490 {44}

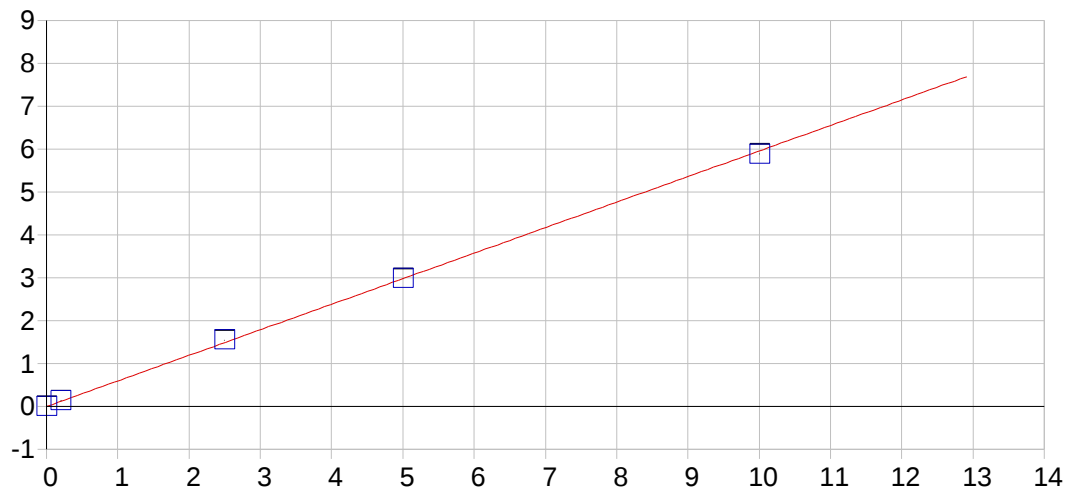
Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.006428 Re-Slope: 1.000000  
 A1 (Gain): 0.007627 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999834  
 Std Error of Est: 0.000076  
 Predicted MDL: 0.036853  
 Predicted MQL: 0.122842

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.2149      | .215       | 10.7    | .01047  | .000    | 1        |
| S0        | .00000       | -.00022     | -.000      | .000    | -.00643 | .000    | 1        |
| S3        | 12.500       | 12.718      | .218       | 1.75    | .09058  | .001    | 1        |
| S4        | 25.000       | 24.799      | -.201      | -.804   | .18272  | .002    | 1        |
| S5        | 50.000       | 49.768      | -.232      | -.464   | .37316  | .002    | 1        |



Mo 202.030 {467}

Date of Fit: 5/17/2019 16:08:38

Type of Fit: Linear

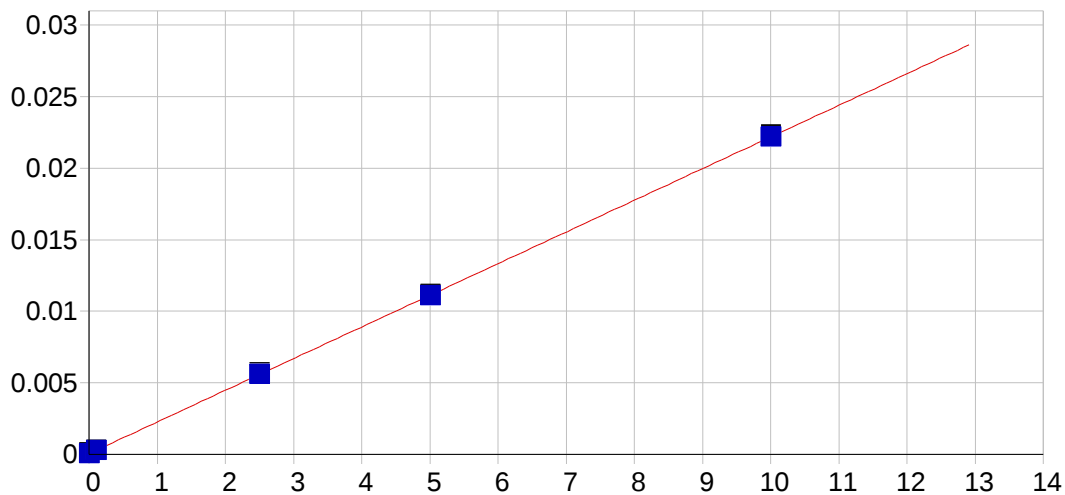
Weighting: 1/Conc

A0 (Offset): -0.000166  
 A1 (Gain): 0.595669  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999796  
 Std Error of Est: 0.000924  
 Predicted MDL: 0.000279  
 Predicted MQL: 0.000931

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    | -.00018 | .000    | 1        |
| S1        | .20000       | .21892      | .019       | 9.46    | .13024  | .000    | 1        |
| S3        | 2.5000       | 2.5996      | .100       | 3.98    | 1.5483  | .007    | 1        |
| S4        | 5.0000       | 5.0024      | .002       | .049    | 2.9796  | .005    | 1        |
| S5        | 10.000       | 9.8790      | -.121      | -1.21   | 5.8845  | .005    | 1        |

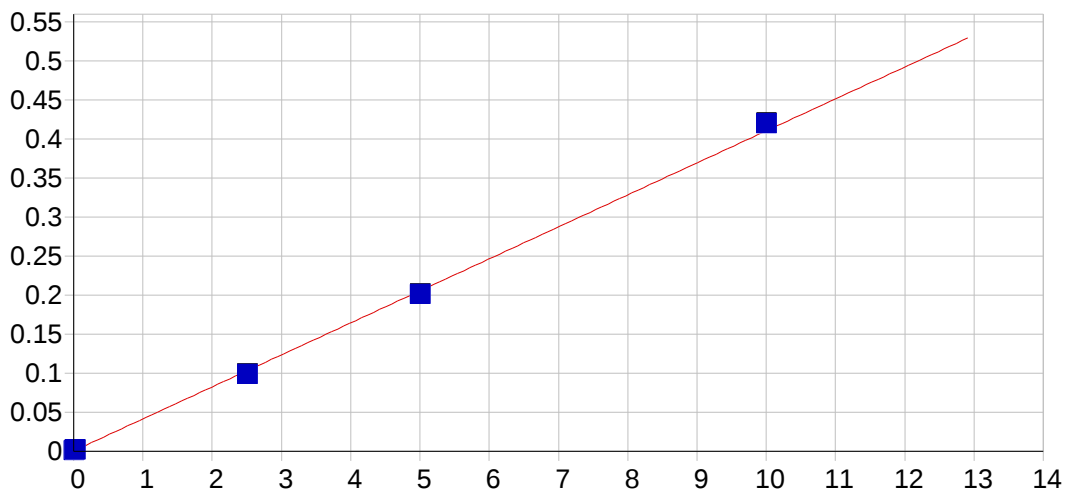


B 249.678 {135}

Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000052 Re-Slope: 1.000000  
 A1 (Gain): 0.002213 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999997 Status: OK.  
 Std Error of Est: 0.000000  
 Predicted MDL: 0.011471  
 Predicted MQL: 0.038237

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00005 | .000    | 1        |
| S1        | .10000       | .09844      | -.002      | -1.56   | .00027 | .000    | 1        |
| S3        | 2.5000       | 2.5106      | .011       | .423    | .00560 | .000    | 1        |
| S4        | 5.0000       | 4.9890      | -.011      | -.219   | .01107 | .000    | 1        |
| S5        | 10.000       | 10.002      | .002       | .019    | .02214 | .000    | 1        |



S 182.034 {485}

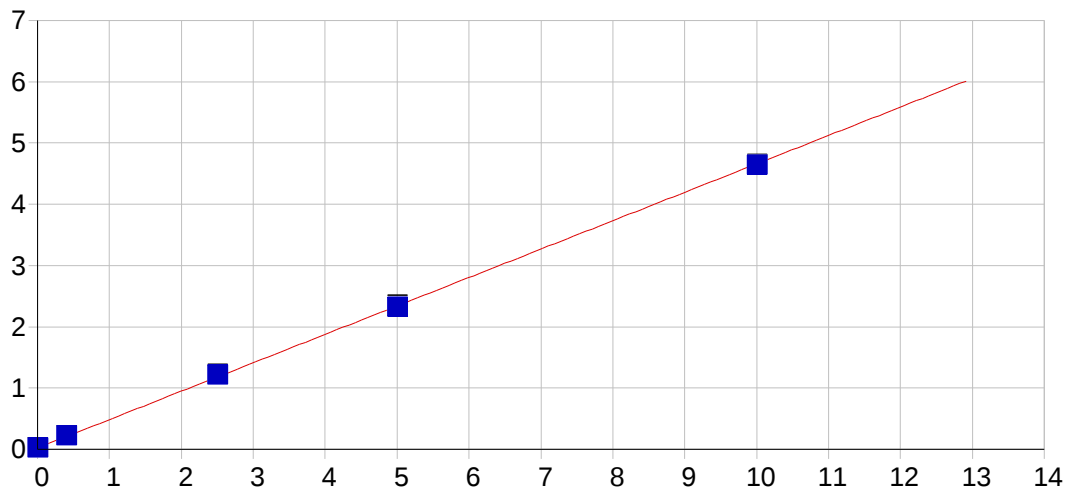
Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000677 Re-Slope: 1.000000  
 A1 (Gain): 0.040972 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999652  
 Std Error of Est: 0.000026  
 Predicted MDL: 0.002639  
 Predicted MQL: 0.008796

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00068 | .000    | 1        |
| S1        | .02000       | .01966      | -.000      | -1.69   | .00146 | .000    | 1        |
| S3        | 2.5000       | 2.3903      | -.110      | -4.39   | .09850 | .001    | 1        |
| S4        | 5.0000       | 4.8890      | -.111      | -2.22   | .20076 | .001    | 1        |
| S5        | 10.000       | 10.221      | .221       | 2.21    | .41900 | .001    | 1        |



Si 288.158 {117}

Date of Fit: 5/17/2019 16:08:38

Type of Fit: Linear

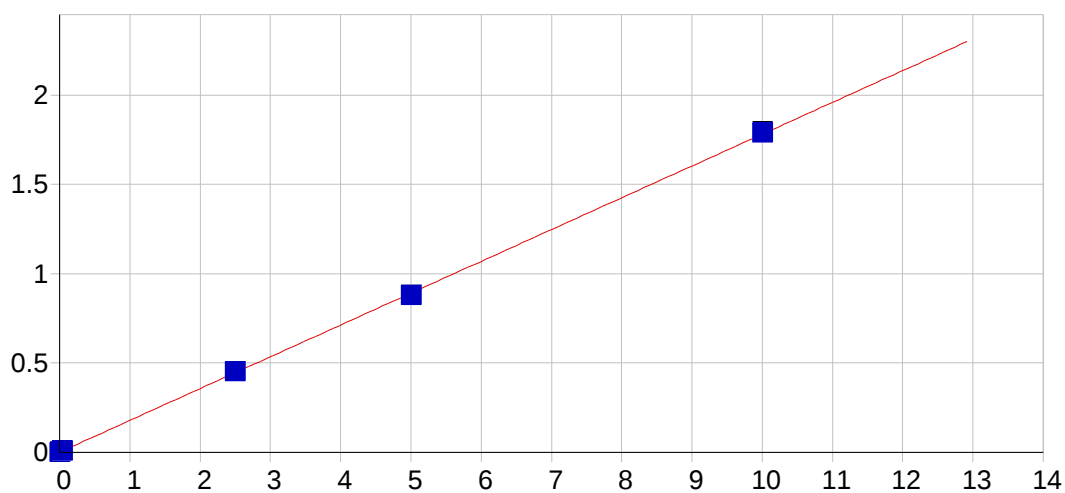
Weighting: 1/Conc

A0 (Offset): 0.020977  
 A1 (Gain): 0.463875  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999878  
 Std Error of Est: 0.000789  
 Predicted MDL: 0.002317  
 Predicted MQL: 0.007722

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       | -.00003     | -.000      | .000    | .02096 | .001    | 1        |
| S1        | .40000       | .42955      | .030       | 7.39    | .22008 | .003    | 1        |
| S3        | 2.5000       | 2.5625      | .062       | 2.50    | 1.2090 | .011    | 1        |
| S4        | 5.0000       | 4.9585      | -.041      | -.830   | 2.3199 | .028    | 1        |
| S5        | 10.000       | 9.9495      | -.051      | -.505   | 4.6338 | .013    | 1        |

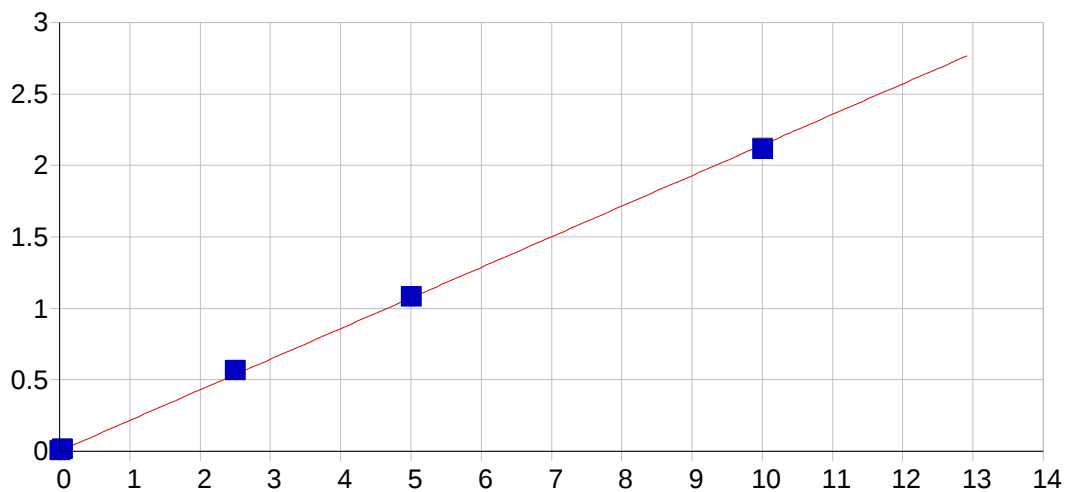


Sn 189.989 {477}

Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001243 Re-Slope: 1.000000  
 A1 (Gain): 0.177957 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999961 Status: OK.  
 Std Error of Est: 0.000054  
 Predicted MDL: 0.000631  
 Predicted MQL: 0.002103

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00124 | .000    | 1        |
| S1        | .04000       | .03814      | -.002      | -4.65   | .00803 | .000    | 1        |
| S3        | 2.5000       | 2.5241      | .024       | .965    | .45051 | .002    | 1        |
| S4        | 5.0000       | 4.9340      | -.066      | -1.32   | .87944 | .001    | 1        |
| S5        | 10.000       | 10.044      | .044       | .437    | 1.7889 | .004    | 1        |



Ti 336.121 {100}

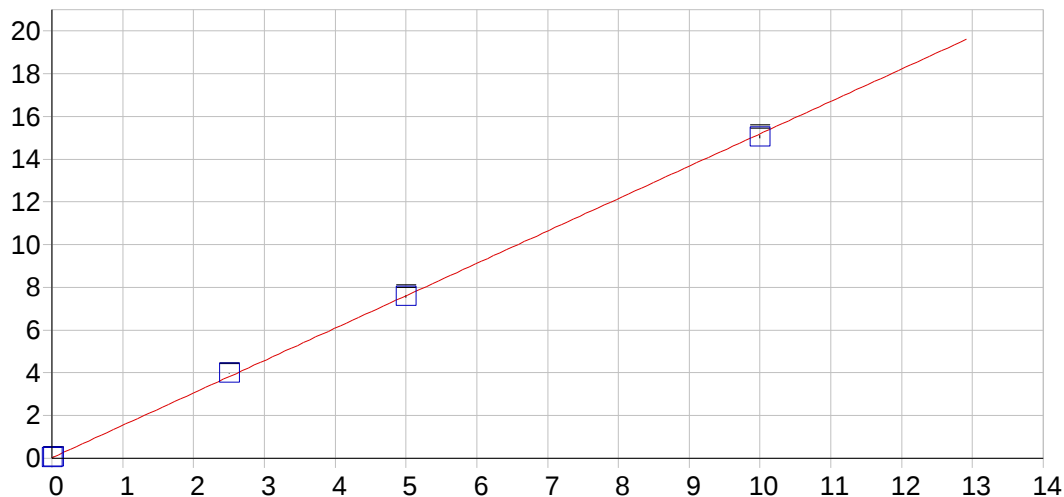
Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002458 Re-Slope: 1.000000  
 A1 (Gain): 0.214048 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999781  
 Std Error of Est: 0.000153  
 Predicted MDL: 0.002312  
 Predicted MQL: 0.007707

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00246 | .000    | 1        |
| S1        | .04000       | .04210      | .002       | 5.25    | .01146 | .000    | 1        |
| S3        | 2.5000       | 2.6166      | .117       | 4.67    | .56247 | .003    | 1        |
| S4        | 5.0000       | 5.0238      | .024       | .475    | 1.0776 | .002    | 1        |
| S5        | 10.000       | 9.8575      | -.142      | -1.42   | 2.1122 | .006    | 1        |



Li 670.784 { 50}

Date of Fit: 5/17/2019 16:08:38

Type of Fit: Linear

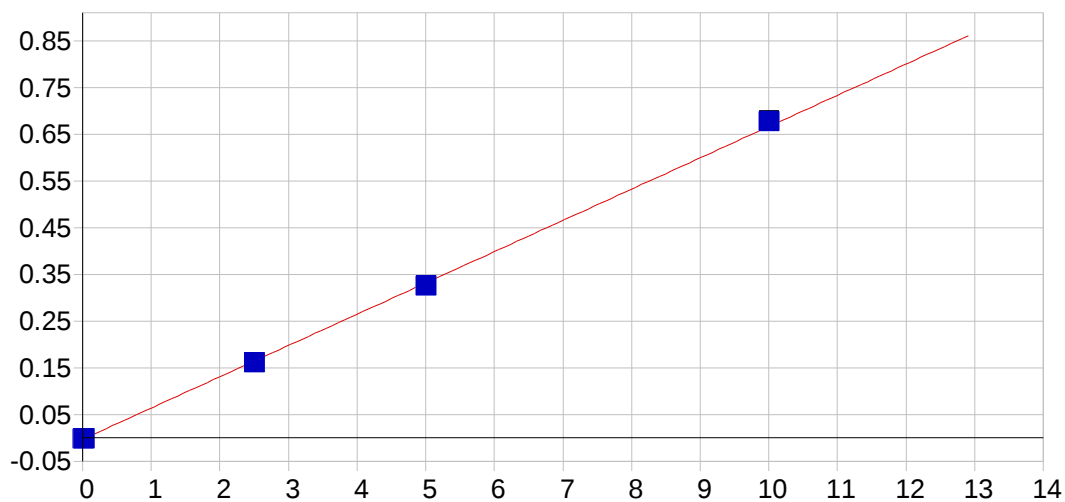
Weighting: 1/Conc

A0 (Offset): 0.026373  
 A1 (Gain): 1.516371  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999841  
 Std Error of Est: 0.000653  
 Predicted MDL: 0.001787  
 Predicted MQL: 0.005956

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    | .02637 | .003    | 1        |
| S1        | .02000       | .02293      | .003       | 14.6    | .06114 | .003    | 1        |
| S3        | 2.5000       | 2.6033      | .103       | 4.13    | 3.9739 | .018    | 1        |
| S4        | 5.0000       | 4.9854      | -.015      | -.291   | 7.5862 | .057    | 1        |
| S5        | 10.000       | 9.9084      | -.092      | -.916   | 15.051 | .074    | 1        |



P 177.495 {490}

Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002699 Re-Slope: 1.000000  
 A1 (Gain): 0.066907 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999823 Status: OK.  
 Std Error of Est: 0.000030  
 Predicted MDL: 0.001665  
 Predicted MQL: 0.005551

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00270 | .000    | 1        |
| S1        | .02000       | .01688      | -.003      | -15.6   | -.00157 | .000    | 1        |
| S3        | 2.5000       | 2.4427      | -.057      | -2.29   | .16049  | .001    | 1        |
| S4        | 5.0000       | 4.9026      | -.097      | -1.95   | .32483  | .000    | 1        |
| S5        | 10.000       | 10.158      | .158       | 1.58    | .67596  | .001    | 1        |



Y 224.306 {450}\*

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

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

Status:      Warning      Zero Gain

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

Re-Slope: 1.000000  
Y-int: 0.000000

Status:      Warning      Zero Gain





In 230.606 {446}\*

Date of Fit: <not fit>

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

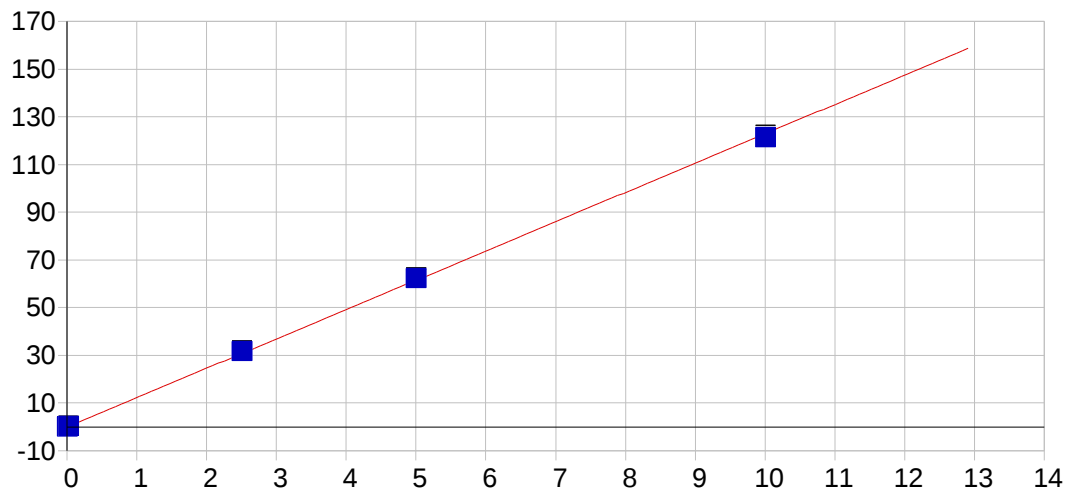
Status: Warning Zero Gain

Std Error of Est: 0.000000

Predicted MDL: n/a

Predicted MQL: n/a

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



Sr 407.771 { 83}

Date of Fit: 5/17/2019 16:08:38

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000889

Re-Slope: 1.000000

A1 (Gain): 12.287387

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999863

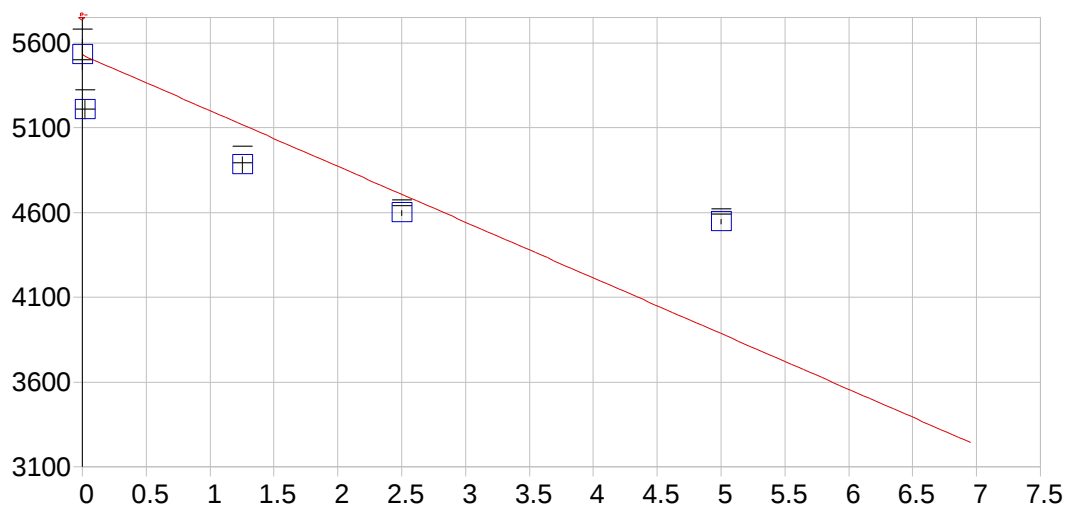
Status: OK.

Std Error of Est: 0.004915

Predicted MDL: 0.000091

Predicted MQL: 0.000303

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00086 | .001    | 1        |
| S1        | .02000       | .02172      | .002       | 8.62    | .26917 | .000    | 1        |
| S3        | 2.5000       | 2.5747      | .075       | 2.99    | 31.671 | .115    | 1        |
| S4        | 5.0000       | 5.0568      | .057       | 1.14    | 62.204 | .209    | 1        |
| S5        | 10.000       | 9.8667      | -.133      | -1.33   | 121.37 | .872    | 1        |

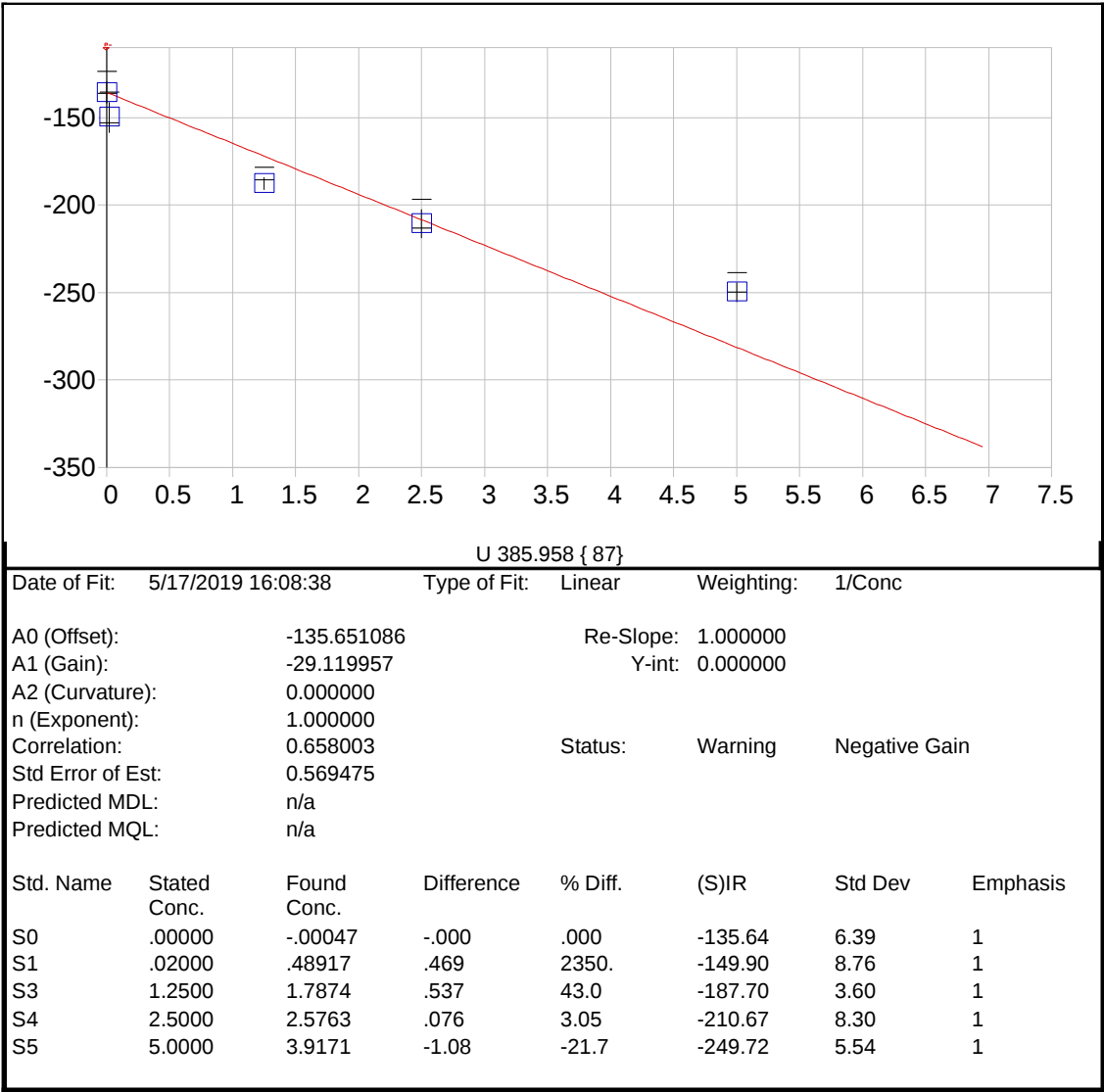


U 367.007 { 92 }

Date of Fit: 5/17/2019 16:08:38 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 5529.286642 Re-Slope: 1.000000  
 A1 (Gain): -328.750675 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.394857 Status: Warning Negative Gain  
 Std Error of Est: 13.071591  
 Predicted MDL: n/a  
 Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00097     | -.001      | .000    | 5529.6 | 90.9    | 1        |
| S1        | .02000       | .98092      | .961       | 4800.   | 5206.8 | 55.8    | 1        |
| S3        | 1.2500       | 1.9651      | .715       | 57.2    | 4883.3 | 49.4    | 1        |
| S4        | 2.5000       | 2.8351      | .335       | 13.4    | 4597.2 | 17.4    | 1        |
| S5        | 5.0000       | 2.9889      | -2.01      | -40.2   | 4546.7 | 14.1    | 1        |



Sample Name: S0      Acquired: 5/17/2019 11:12:11      Type: Cal  
Method: P4-ICP2(v3131)      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 | -.00016 | .00156  | -.00015 | .00029 | .00109  | .00093  | .00010 |
| Stddev | .00005  | .00003  | .00010  | .00015  | .00022 | .00004  | .00010  | .00002 |
| %RSD   | 39.414  | 18.979  | 6.6975  | 101.44  | 76.351 | 4.0474  | 10.444  | 16.878 |
| #1     | -.00016 | -.00017 | .00168  | -.00011 | .00004 | .00111  | .00083  | .00009 |
| #2     | -.00013 | -.00018 | .00151  | -.00002 | .00047 | .00104  | .00095  | .00012 |
| #3     | -.00007 | -.00012 | .00148  | -.00032 | .00036 | .00112  | .00103  | .00011 |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576  | Mg2790 |
| Units  | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S  | Cts/S   | Cts/S   | Cts/S  |
| Avg    | -.00035 | -.00003 | -.00020 | -.00037 | .00302 | .00099  | .00067  | .00004 |
| Stddev | .00031  | .00057  | .00005  | .00009  | .00023 | .00003  | .00008  | .00001 |
| %RSD   | 88.347  | 1822.8  | 24.570  | 24.658  | 7.7222 | 2.5288  | 11.343  | 25.321 |
| #1     | -.00066 | -.00045 | -.00022 | -.00044 | .00291 | .00101  | .00071  | .00005 |
| #2     | -.00004 | -.00026 | -.00014 | -.00027 | .00287 | .00096  | .00059  | .00003 |
| #3     | -.00035 | .00062  | -.00023 | -.00039 | .00329 | .00101  | .00073  | .00004 |
| 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    | -.00595 | -.00046 | .00042  | -.00023 | .00425 | -.00643 | -.00018 | .00005 |
| Stddev | .00012  | .00019  | .00023  | .00004  | .00010 | .00014  | .00011  | .00003 |
| %RSD   | 2.0178  | 41.871  | 55.167  | 17.070  | 2.4558 | 2.1631  | 63.447  | 59.486 |
| #1     | -.00607 | -.00024 | .00050  | -.00026 | .00412 | -.00629 | -.00016 | .00003 |
| #2     | -.00594 | -.00056 | .00016  | -.00019 | .00431 | -.00644 | -.00008 | .00009 |
| #3     | -.00583 | -.00059 | .00061  | -.00025 | .00430 | -.00656 | -.00030 | .00004 |
| 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    | .00068  | .02096  | .00124  | .00246  | .02637 | -.0027  | .00086  | 5529.6 |
| Stddev | .00010  | .00055  | .00015  | .00025  | .00259 | .0001   | .00094  | 90.9   |
| %RSD   | 15.008  | 2.6087  | 11.869  | 10.326  | 9.8406 | 2.722   | 109.59  | 1.6432 |
| #1     | .00069  | .02120  | .00139  | .00271  | .02356 | -.0028  | .00162  | 5607.8 |
| #2     | .00057  | .02135  | .00125  | .00246  | .02868 | -.0027  | .00116  | 5429.9 |
| #3     | .00077  | .02034  | .00110  | .00220  | .02686 | -.0026  | -.00019 | 5551.1 |

Sample Name: S0      Acquired: 5/17/2019 11:12:11      Type: Cal  
Method: P4-ICP2(v3131)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -135.64 |
| Stddev | 6.39    |
| %RSD   | 4.7113  |

|    |         |
|----|---------|
| #1 | -128.46 |
| #2 | -137.73 |
| #3 | -140.72 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4560.4 | 52435. | 4556.4 | 63.892 | 4879.4 |
| Stddev    | 4.4    | 173.   | 47.6   | .433   | 5.5    |
| %RSD      | .09717 | .32969 | 1.0442 | .67823 | .11253 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4560.5 | 52243. | 4503.2 | 63.392 | 4885.6 |
| #2 | 4555.9 | 52484. | 4571.2 | 64.125 | 4877.2 |
| #3 | 4564.8 | 52578. | 4594.8 | 64.158 | 4875.3 |

Sample Name: S1      Acquired: 5/17/2019 11:16:38      Type: Cal  
Method: P4-ICP2(v3131)      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    | .00099 | .00477 | .00395 | .00101 | .00589 | .00207 | .03494 | .00540 |
| Stddev | .00008 | .00011 | .00012 | .00002 | .00013 | .00006 | .00043 | .00006 |
| %RSD   | 8.5276 | 2.2922 | 3.1100 | 2.3554 | 2.1990 | 2.9502 | 1.2381 | 1.1810 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00099 | .00466 | .00397 | .00099 | .00574 | .00213 | .03444 | .00546 |
| #2 | .00090 | .00476 | .00382 | .00103 | .00596 | .00201 | .03522 | .00541 |
| #3 | .00107 | .00488 | .00407 | .00103 | .00596 | .00207 | .03515 | .00533 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .02200 | .00183 | .02904 | .01865 | .01027 | .02557 | .01864 | .00224 |
| Stddev | .00027 | .00001 | .00004 | .00031 | .00004 | .00019 | .00006 | .00005 |
| %RSD   | 1.2386 | .52888 | .15432 | 1.6436 | .40007 | .74638 | .31697 | 2.3768 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02204 | .00184 | .02899 | .01841 | .01032 | .02577 | .01865 | .00226 |
| #2 | .02172 | .00183 | .02905 | .01900 | .01023 | .02539 | .01858 | .00217 |
| #3 | .02226 | .00182 | .02908 | .01856 | .01027 | .02554 | .01870 | .00227 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .00842 | .06819 | .13024 | .00027 | .00146 | .22008 | .00803 | .01146 |
| Stddev | .00006 | .00006 | .00024 | .00001 | .00012 | .00270 | .00013 | .00032 |
| %RSD   | .66715 | .09170 | .18213 | 5.0466 | 8.5068 | 1.2289 | 1.5754 | 2.8161 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00843 | .06820 | .13045 | .00028 | .00139 | .22307 | .00813 | .01152 |
| #2 | .00848 | .06812 | .12998 | .00027 | .00138 | .21936 | .00807 | .01176 |
| #3 | .00836 | .06824 | .13028 | .00026 | .00160 | .21781 | .00789 | .01112 |

|        |        |        |        |        |         |
|--------|--------|--------|--------|--------|---------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |
| Avg    | .06114 | -.0016 | .26917 | 5206.8 | -149.90 |
| Stddev | .00309 | .0001  | .00049 | 55.8   | 8.76    |
| %RSD   | 5.0517 | 5.356  | .18368 | 1.0719 | 5.8412  |

|    |        |        |        |        |         |
|----|--------|--------|--------|--------|---------|
| #1 | .05769 | -.0017 | .26865 | 5270.7 | -141.04 |
| #2 | .06363 | -.0015 | .26921 | 5181.9 | -158.55 |
| #3 | .06211 | -.0015 | .26964 | 5167.8 | -150.10 |

Sample Name: S1      Acquired: 5/17/2019 11:16:38      Type: Cal  
Method: P4-ICP2(v3131)      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       | 4581.9 | 53308. | 4653.8 | 61.997 | 4847.0 |
| Stddev    | 9.1    | 76.    | 25.1   | .815   | 5.4    |
| %RSD      | .19815 | .14342 | .54034 | 1.3145 | .11213 |
| #1        | 4591.2 | 53241. | 4626.8 | 61.117 | 4851.0 |
| #2        | 4573.1 | 53290. | 4658.0 | 62.150 | 4840.8 |
| #3        | 4581.5 | 53391. | 4676.6 | 62.725 | 4849.2 |

Sample Name: S2      Acquired: 5/17/2019 11:21:02      Type: Cal  
Method: P4-ICP2(v3131)      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    | .11862 | .00126 | .05962 | .01047 |
| Stddev | .00030 | .00002 | .00108 | .00029 |
| %RSD   | .25024 | 1.8930 | 1.8070 | 2.7344 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .11896 | .00123 | .05841 | .01016 |
| #2 | .11849 | .00126 | .05995 | .01073 |
| #3 | .11841 | .00128 | .06049 | .01051 |

|           |        |        |
|-----------|--------|--------|
| Int. Std. | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  |
| Avg       | 53334. | 4671.1 |
| Stddev    | 132.   | 53.3   |
| %RSD      | .24714 | 1.1410 |

|    |        |        |
|----|--------|--------|
| #1 | 53485. | 4610.4 |
| #2 | 53247. | 4692.9 |
| #3 | 53269. | 4710.1 |

Sample Name: S3      Acquired: 5/17/2019 11:25:16      Type: Cal  
Method: P4-ICP2(v3131)      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    | .13112 | .30037 | .49865 | .12922 | .27170 | .04293 | 1.6337 | .10427 |
| Stddev | .00058 | .00085 | .00186 | .00074 | .00156 | .00042 | .0063  | .00028 |
| %RSD   | .44158 | .28331 | .37243 | .57114 | .57375 | .97194 | .38449 | .27112 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .13046 | .29944 | .49672 | .12846 | .27041 | .04273 | 1.6311 | .10442 |
| #2 | .13141 | .30056 | .49881 | .12928 | .27126 | .04266 | 1.6291 | .10394 |
| #3 | .13151 | .30111 | .50043 | .12993 | .27343 | .04342 | 1.6408 | .10445 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 4.6207 | .64751 | .09672 | 1.2498 | .47134 | .22409 | 1.4025 | .00711 |
| Stddev | .0219  | .00221 | .00002 | .0055  | .00178 | .00037 | .0067  | .00011 |
| %RSD   | .47316 | .34182 | .02357 | .43698 | .37683 | .16614 | .47886 | 1.5641 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.5999 | .64654 | .09671 | 1.2437 | .46977 | .22369 | 1.3992 | .00715 |
| #2 | 4.6187 | .65004 | .09675 | 1.2515 | .47098 | .22443 | 1.3981 | .00699 |
| #3 | 4.6435 | .64594 | .09671 | 1.2543 | .47327 | .22413 | 1.4103 | .00720 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .75529 | .16202 | .33622 | .25820 | 2.0745 | .09058 | 1.5483 | .00560 |
| Stddev | .00408 | .00025 | .00120 | .00018 | .0080  | .00052 | .0066  | .00009 |
| %RSD   | .54075 | .15246 | .35739 | .06940 | .38637 | .57616 | .42717 | 1.6372 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75124 | .16191 | .33558 | .25835 | 2.0661 | .09035 | 1.5429 | .00553 |
| #2 | .75521 | .16230 | .33547 | .25800 | 2.0755 | .09021 | 1.5464 | .00556 |
| #3 | .75941 | .16184 | .33761 | .25825 | 2.0821 | .09117 | 1.5557 | .00570 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .09850 | 1.2090 | .45051 | .56247 | 3.9739 | .1605  | 31.671 | 4883.3 |
| Stddev | .00057 | .0106  | .00183 | .00251 | .0183  | .0006  | .115   | 49.4   |
| %RSD   | .58298 | .87348 | .40549 | .44713 | .46028 | .3510  | .36395 | 1.0106 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .09790 | 1.2138 | .44882 | .55958 | 3.9836 | .1599 | 31.691 | 4876.6 |
| #2 | .09856 | 1.2163 | .45024 | .56409 | 3.9853 | .1606 | 31.776 | 4837.6 |
| #3 | .09904 | 1.1969 | .45245 | .56375 | 3.9528 | .1610 | 31.548 | 4935.6 |

Sample Name: S3      Acquired: 5/17/2019 11:25:16      Type: Cal  
 Method: P4-ICP2(v3131)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -187.70 |
| Stddev | 3.60    |
| %RSD   | 1.9202  |

|    |         |
|----|---------|
| #1 | -187.50 |
| #2 | -184.20 |
| #3 | -191.40 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4501.7 | 52488. | 4727.7 | 60.898 | 4514.8 |
| Stddev    | 7.3    | 103.   | 38.7   | .457   | 10.4   |
| %RSD      | .16275 | .19708 | .81893 | .74984 | .23144 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4508.5 | 52370. | 4701.2 | 60.402 | 4526.0 |
| #2 | 4502.7 | 52559. | 4709.6 | 60.992 | 4513.1 |
| #3 | 4493.9 | 52536. | 4772.1 | 61.301 | 4505.3 |

Sample Name: S4      Acquired: 5/17/2019 11:29:15      Type: Cal  
Method: P4-ICP2(v3131)      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    | .25811 | .59508 | .99384 | .25607 | .52977 | .08390 | 3.2234 | .20581 |
| Stddev | .00030 | .00138 | .00125 | .00032 | .00168 | .00046 | .0173  | .00052 |
| %RSD   | .11785 | .23153 | .12555 | .12442 | .31785 | .54699 | .53733 | .25231 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25842 | .59569 | .99528 | .25578 | .53162 | .08338 | 3.2035 | .20620 |
| #2 | .25810 | .59350 | .99307 | .25603 | .52938 | .08427 | 3.2341 | .20600 |
| #3 | .25781 | .59605 | .99318 | .25641 | .52832 | .08403 | 3.2328 | .20522 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 9.2918 | 1.2540 | .18846 | 2.4981 | .90039 | .43121 | 2.7112 | .01392 |
| Stddev | .0109  | .0029  | .00025 | .0025  | .00133 | .00035 | .0073  | .00019 |
| %RSD   | .11745 | .23324 | .13031 | .09998 | .14784 | .08212 | .26808 | 1.3371 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.3024 | 1.2558 | .18874 | 2.5004 | .89993 | .43158 | 2.7193 | .01380 |
| #2 | 9.2806 | 1.2556 | .18832 | 2.4955 | .90189 | .43116 | 2.7051 | .01413 |
| #3 | 9.2925 | 1.2506 | .18831 | 2.4985 | .89935 | .43088 | 2.7093 | .01382 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.4957 | .31288 | .66723 | .50614 | 4.1181 | .18272 | 2.9796 | .01107 |
| Stddev | .0019  | .00024 | .00457 | .00061 | .0049  | .00161 | .0052  | .00007 |
| %RSD   | .13026 | .07659 | .68560 | .12047 | .11771 | .87985 | .17425 | .67108 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.4978 | .31302 | .66492 | .50603 | 4.1236 | .18231 | 2.9806 | .01099 |
| #2 | 1.4953 | .31261 | .67249 | .50680 | 4.1152 | .18449 | 2.9843 | .01109 |
| #3 | 1.4940 | .31302 | .66426 | .50559 | 4.1153 | .18135 | 2.9740 | .01113 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .20076 | 2.3199 | .87944 | 1.0776 | 7.5862 | .3248  | 62.204 | 4597.2 |
| Stddev | .00059 | .0283  | .00083 | .0022  | .0566  | .0004  | .209   | 17.4   |
| %RSD   | .29360 | 1.2176 | .09468 | .20301 | .74673 | .1169  | .33675 | .37762 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .20144 | 2.3433 | .88037 | 1.0751 | 7.6462 | .3246 | 62.438 | 4616.0 |
| #2 | .20044 | 2.2885 | .87919 | 1.0787 | 7.5337 | .3247 | 62.034 | 4581.8 |
| #3 | .20040 | 2.3278 | .87876 | 1.0791 | 7.5786 | .3253 | 62.139 | 4593.8 |

Sample Name: S4      Acquired: 5/17/2019 11:29:15      Type: Cal  
 Method: P4-ICP2(v3131)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -210.67 |
| Stddev | 8.30    |
| %RSD   | 3.9386  |

|    |         |
|----|---------|
| #1 | -220.10 |
| #2 | -204.47 |
| #3 | -207.45 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4406.3 | 51430. | 4727.1 | 59.425 | 4277.1 |
| Stddev    | 6.2    | 37.    | 47.0   | .923   | 3.3    |
| %RSD      | .14022 | .07129 | .99487 | 1.5528 | .07684 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4405.8 | 51406. | 4683.2 | 59.489 | 4273.3 |
| #2 | 4400.3 | 51412. | 4776.8 | 60.314 | 4279.0 |
| #3 | 4412.7 | 51473. | 4721.5 | 58.472 | 4279.0 |

Sample Name: S5      Acquired: 5/17/2019 11:33:24      Type: Cal  
Method: P4-ICP2(v3131)      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    | .51528 | 1.1906 | 2.0061 | .50498 | 1.0481 | .16607 | 6.5314 | .40445 |
| Stddev | .00161 | .0037  | .0053  | .00164 | .0011  | .00048 | .1153  | .00022 |
| %RSD   | .31332 | .30702 | .26216 | .32453 | .10183 | .28926 | 1.7653 | .05482 |
| #1     | .51714 | 1.1908 | 2.0081 | .50670 | 1.0491 | .16583 | 6.4044 | .40467 |
| #2     | .51435 | 1.1869 | 2.0002 | .50479 | 1.0481 | .16576 | 6.5603 | .40422 |
| #3     | .51434 | 1.1942 | 2.0102 | .50343 | 1.0470 | .16663 | 6.6295 | .40446 |
| 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    | 18.837 | 2.4504 | .37064 | 5.0594 | 1.7508 | .84170 | 5.2678 | .02761 |
| Stddev | .036   | .0199  | .00055 | .0152  | .0021  | .00142 | .0251  | .00007 |
| %RSD   | .19049 | .81091 | .14922 | .30095 | .11827 | .16887 | .47685 | .25995 |
| #1     | 18.846 | 2.4400 | .37003 | 5.0602 | 1.7531 | .84015 | 5.2783 | .02753 |
| #2     | 18.797 | 2.4379 | .37079 | 5.0437 | 1.7491 | .84202 | 5.2392 | .02766 |
| #3     | 18.867 | 2.4733 | .37111 | 5.0741 | 1.7501 | .84294 | 5.2860 | .02765 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 3.0304 | .62343 | 1.3369 | 1.0056 | 8.3901 | .37316 | 5.8845 | .02214 |
| Stddev | .0077  | .00150 | .0056  | .0002  | .0137  | .00195 | .0050  | .00015 |
| %RSD   | .25283 | .23990 | .42129 | .02408 | .16335 | .52343 | .08537 | .66753 |
| #1     | 3.0304 | .62256 | 1.3353 | 1.0058 | 8.3923 | .37296 | 5.8884 | .02201 |
| #2     | 3.0228 | .62258 | 1.3323 | 1.0057 | 8.3755 | .37131 | 5.8788 | .02211 |
| #3     | 3.0381 | .62516 | 1.3432 | 1.0054 | 8.4026 | .37520 | 5.8862 | .02230 |
| 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    | .41900 | 4.6338 | 1.7889 | 2.1122 | 15.051 | .6760  | 121.37 | 4546.7 |
| Stddev | .00080 | .0132  | .0039  | .0061  | .074   | .0011  | .87    | 14.1   |
| %RSD   | .19186 | .28508 | .21593 | .28962 | .49410 | .1674  | .71811 | .31070 |
| #1     | .41946 | 4.6279 | 1.7897 | 2.1086 | 15.112 | .6761  | 120.56 | 4531.0 |
| #2     | .41807 | 4.6246 | 1.7847 | 2.1087 | 14.968 | .6748  | 121.27 | 4550.8 |
| #3     | .41947 | 4.6490 | 1.7923 | 2.1192 | 15.073 | .6770  | 122.29 | 4558.3 |

Sample Name: S5      Acquired: 5/17/2019 11:33:24      Type: Cal  
 Method: P4-ICP2(v3131)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -249.72 |
| Stddev | 5.54    |
| %RSD   | 2.2196  |

|    |         |
|----|---------|
| #1 | -253.59 |
| #2 | -252.20 |
| #3 | -243.37 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4310.6 | 50180. | 4662.8 | 57.491 | 4016.5 |
| Stddev    | 1.9    | 115.   | 17.5   | 2.052  | 5.3    |
| %RSD      | .04310 | .22924 | .37616 | 3.5701 | .13210 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4309.3 | 50151. | 4645.7 | 56.508 | 4017.8 |
| #2 | 4309.7 | 50307. | 4680.7 | 56.115 | 4021.0 |
| #3 | 4312.7 | 50083. | 4662.0 | 59.850 | 4010.6 |

Sample Name: ICV01      Acquired: 5/17/2019 11:37:47      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |        |          |          |          |          |
|--------|----------|----------|----------|--------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960 | Sb2068   | Al3961   | Ba4934   | Be2348   |
| Units  | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.0329   | 1.0501   | 1.0088   | 1.0408 | 1.0339   | 2.6124   | .51633   | .50590   |
| Stddev | .0085    | .0077    | .0070    | .0134  | .0091    | .0012    | .00203   | .00030   |
| %RSD   | .81990   | .73504   | .69859   | 1.2894 | .88375   | .04557   | .39404   | .05936   |
| #1     | 1.0396   | 1.0582   | 1.0159   | 1.0540 | 1.0437   | 2.6137   | .51419   | .50613   |
| #2     | 1.0357   | 1.0492   | 1.0086   | 1.0410 | 1.0323   | 2.6114   | .51824   | .50556   |
| #3     | 1.0233   | 1.0429   | 1.0018   | 1.0272 | 1.0256   | 2.6122   | .51656   | .50600   |
| Elem   | Cd2265   | Ca3736   | Cr2677   | Co2286 | Cu2247   | Fe2404   | Mn2576   | Mg2790   |
| Units  | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      | ppm      |
| Avg    | .49067   | F 10.618 | F .52301 | .49950 | .51521   | 5.2939   | F .53400 | 6.1525   |
| Stddev | .00427   | .010     | .00077   | .00389 | .00470   | .0062    | .00079   | .0519    |
| %RSD   | .86988   | .09109   | .14798   | .77793 | .91306   | .11752   | .14708   | .84359   |
| #1     | .49424   | 10.607   | .52390   | .50277 | .51931   | 5.3010   | .53479   | 6.1186   |
| #2     | .49183   | 10.624   | .52266   | .50051 | .51623   | 5.2915   | .53322   | 6.1266   |
| #3     | .48594   | 10.625   | .52247   | .49520 | .51007   | 5.2893   | .53398   | 6.2123   |
| Elem   | Ni2316   | Ag3280   | Na5895   | V_2924 | Zn2138   | K_7664   | Mo2020   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      | ppm      |
| Avg    | .50548   | .52577   | 10.286   | .52181 | .97600   | 10.397   | 2.4938   | 2.4836   |
| Stddev | .00447   | .00050   | .044     | .00251 | .00900   | .028     | .0243    | .0145    |
| %RSD   | .88448   | .09538   | .42696   | .48119 | .92255   | .27161   | .97492   | .58504   |
| #1     | .51004   | .52597   | 10.235   | .52442 | .98359   | 10.385   | 2.5153   | 2.4983   |
| #2     | .50530   | .52614   | 10.310   | .52161 | .97836   | 10.376   | 2.4988   | 2.4832   |
| #3     | .50111   | .52520   | 10.313   | .51941 | .96605   | 10.429   | 2.4674   | 2.4692   |
| Elem   | S_1820   | Si2881   | Sn1899   | Ti3361 | Li6707   | P_1774   | Sr4077   | U_3670   |
| Units  | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      | ppm      |
| Avg    | F .00934 | 2.4358   | 2.3984   | 2.5577 | F .00330 | F -.0028 | F .00664 | F 1.7246 |
| Stddev | .00190   | .0067    | .0189    | .0061  | .00052   | .0015    | .00008   | .0561    |
| %RSD   | 20.372   | .27425   | .78677   | .23773 | 15.747   | 53.37    | 1.1476   | 3.2551   |
| #1     | .00719   | 2.4405   | 2.4154   | 2.5513 | .00385   | -.0028   | .00669   | 1.7316   |
| #2     | .01001   | 2.4281   | 2.4017   | 2.5586 | .00281   | -.0044   | .00655   | 1.7768   |
| #3     | .01082   | 2.4387   | 2.3781   | 2.5633 | .00325   | -.0013   | .00668   | 1.6652   |

Sample Name: ICV01      Acquired: 5/17/2019 11:37:47      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.8829 |
| Stddev | .2440    |
| %RSD   | 12.957   |

|    |        |
|----|--------|
| #1 | 1.8590 |
| #2 | 2.1379 |
| #3 | 1.6517 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4543.5 | 52820. | 4735.5 | 62.515 | 4653.0 |
| Stddev    | 23.5   | 128.   | 21.9   | .476   | 25.1   |
| %RSD      | .51622 | .24154 | .46265 | .76172 | .54013 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4519.8 | 52701. | 4710.3 | 62.991 | 4628.9 |
| #2 | 4543.9 | 52803. | 4749.0 | 62.517 | 4651.3 |
| #3 | 4566.7 | 52955. | 4747.3 | 62.039 | 4679.0 |

Sample Name: LLICV01      Acquired: 5/17/2019 11:43:27      Type: Unk  
Method: P4-ICP2(v3131)      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    | .02242 | .04251 | .01275 | .02282 | .05572 | .09920 | .10651 | .00655   |
| Stddev | .00108 | .00156 | .00049 | .00162 | .00064 | .01396 | .00070 | .00004   |
| %RSD   | 4.8038 | 3.6616 | 3.8805 | 7.1156 | 1.1522 | 14.076 | .66171 | .66417   |
| #1     | .02245 | .04416 | .01218 | .02124 | .05572 | .10574 | .10578 | .00656   |
| #2     | .02133 | .04232 | .01300 | .02449 | .05637 | .08316 | .10718 | .00650   |
| #3     | .02348 | .04106 | .01308 | .02274 | .05508 | .10869 | .10657 | .00659   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00599 | 2.1899 | .01058 | .02953 | .01955 | .10900 | .02296 | 2.1068   |
| Stddev | .00005 | .0178  | .00008 | .00029 | .00021 | .00073 | .00007 | .0775    |
| %RSD   | .80965 | .81098 | .77248 | .99438 | 1.0560 | .67147 | .31287 | 3.6765   |
| #1     | .00596 | 2.1752 | .01050 | .02920 | .01932 | .10816 | .02290 | 2.0686   |
| #2     | .00597 | 2.1848 | .01058 | .02974 | .01961 | .10950 | .02293 | 2.0559   |
| #3     | .00605 | 2.2096 | .01066 | .02966 | .01973 | .10935 | .02304 | 2.1960   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04083 | .01111 | 2.0964 | .04275 | .03879 | 2.0948 | .21984 | .10839   |
| Stddev | .00020 | .00049 | .0093  | .00057 | .00017 | .0322  | .00106 | .01259   |
| %RSD   | .48512 | 4.4095 | .44483 | 1.3277 | .42690 | 1.5382 | .48098 | 11.619   |
| #1     | .04092 | .01088 | 2.0884 | .04278 | .03876 | 2.1044 | .21916 | .10854   |
| #2     | .04097 | .01077 | 2.1066 | .04330 | .03897 | 2.1211 | .22106 | .09572   |
| #3     | .04060 | .01167 | 2.0941 | .04217 | .03864 | 2.0589 | .21930 | .12091   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01930 | .42419 | .04050 | .04114 | .02306 | .0176  | .02172 | F 1.3984 |
| Stddev | .00179 | .00267 | .00017 | .00186 | .00026 | .0010  | .00003 | .1567    |
| %RSD   | 9.2619 | .62918 | .43087 | 4.5104 | 1.1160 | 5.806  | .12793 | 11.204   |
| #1     | .02134 | .42150 | .04035 | .03900 | .02333 | .0181  | .02169 | 1.4861   |
| #2     | .01857 | .42423 | .04069 | .04225 | .02303 | .0164  | .02175 | 1.2175   |
| #3     | .01800 | .42683 | .04046 | .04218 | .02282 | .0183  | .02172 | 1.4917   |

Sample Name: LLICV01      Acquired: 5/17/2019 11:43:27      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .35104 |
| Stddev | .20998   |
| %RSD   | 59.816   |

|    |        |
|----|--------|
| #1 | .21931 |
| #2 | .59319 |
| #3 | .24062 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4575.5 | 53917. | 4740.9 | 62.272 | 4837.7 |
| Stddev    | 14.0   | 94.    | 25.6   | 1.140  | 10.1   |
| %RSD      | .30552 | .17427 | .53918 | 1.8302 | .20932 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4559.9 | 54018. | 4754.9 | 63.200 | 4826.2 |
| #2 | 4586.9 | 53832. | 4756.4 | 62.617 | 4841.8 |
| #3 | 4579.7 | 53900. | 4711.4 | 61.000 | 4845.1 |

Sample Name: ICB01      Acquired: 5/17/2019 11:47:51      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00270  | -.00014 | -.00021 | .00182  | .00055  | -.00745 | .00017  | .00003   |
| Stddev | .00157  | .00079  | .00087  | .00067  | .00032  | .00508  | .00014  | .00007   |
| %RSD   | 58.070  | 563.71  | 421.50  | 36.593  | 58.309  | 68.156  | 80.040  | 221.29   |
| #1     | .00446  | .00045  | -.00121 | .00258  | .00055  | -.01017 | .00024  | .00010   |
| #2     | .00220  | .00017  | .00038  | .00155  | .00023  | -.01059 | .00026  | .00002   |
| #3     | .00145  | -.00104 | .00021  | .00134  | .00087  | -.00159 | .00001  | -.00003  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00002  | .02230  | .00002  | -.00004 | -.00071 | -.00040 | -.00017 | -.04591  |
| Stddev | .00006  | .00423  | .00008  | .00006  | .00025  | .00071  | .00002  | .02069   |
| %RSD   | 277.05  | 18.959  | 362.28  | 158.30  | 35.448  | 179.01  | 9.1949  | 45.076   |
| #1     | .00005  | .02667  | .00002  | .00002  | -.00072 | -.00048 | -.00019 | -.06563  |
| #2     | -.00005 | .02198  | .00010  | -.00011 | -.00046 | .00035  | -.00016 | -.02436  |
| #3     | .00007  | .01823  | -.00006 | -.00003 | -.00096 | -.00106 | -.00016 | -.04774  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00012 | -.00003 | -.01768 | .00015  | -.00114 | .01347  | -.00014 | .00112   |
| Stddev | .00010  | .00057  | .00721  | .00030  | .00003  | .03648  | .00030  | .00735   |
| %RSD   | 83.837  | 1734.9  | 40.772  | 195.66  | 2.9608  | 270.80  | 210.48  | 657.42   |
| #1     | -.00020 | .00020  | -.01916 | .00025  | -.00111 | .05536  | -.00021 | -.00533  |
| #2     | -.00015 | -.00068 | -.02403 | .00039  | -.00113 | -.01137 | .00018  | -.00044  |
| #3     | -.00001 | .00038  | -.00985 | -.00018 | -.00118 | -.00357 | -.00041 | .00912   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00169 | -.00276 | -.00067 | .00038  | .00115  | -.0004  | -.00009 | F 1.7373 |
| Stddev | .00234  | .00116  | .00031  | .00239  | .00252  | .0019   | .00007  | .0723    |
| %RSD   | 138.30  | 42.084  | 47.043  | 634.44  | 219.75  | 482.0   | 81.639  | 4.1640   |
| #1     | -.00321 | -.00143 | -.00047 | .00032  | -.00095 | -.0012  | -.00010 | 1.8146   |
| #2     | -.00287 | -.00358 | -.00050 | -.00198 | .00395  | -.0017  | -.00001 | 1.6712   |
| #3     | .00100  | -.00328 | -.00103 | .00279  | .00045  | .0018   | -.00016 | 1.7261   |

Sample Name: ICB01      Acquired: 5/17/2019 11:47:51      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .36269 |
| Stddev | .08496   |
| %RSD   | 23.424   |

|    |        |
|----|--------|
| #1 | .44075 |
| #2 | .37510 |
| #3 | .27221 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4582.7 | 54289. | 4726.7 | 62.628 | 4885.3 |
| Stddev    | 4.8    | 123.   | 14.1   | .515   | 1.7    |
| %RSD      | .10487 | .22693 | .29760 | .82297 | .03413 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4584.8 | 54274. | 4741.6 | 62.900 | 4887.1 |
| #2 | 4586.0 | 54175. | 4724.8 | 62.033 | 4883.8 |
| #3 | 4577.2 | 54419. | 4713.6 | 62.950 | 4885.0 |

Sample Name: CRI01      Acquired: 5/17/2019 11:52:19      Type: Unk  
Method: P4-ICP2(v3131)      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    | .02207 | .04162 | .01204 | .02324 | .05385 | .09709 | .10568 | .00667   |
| Stddev | .00101 | .00057 | .00029 | .00177 | .00177 | .00490 | .00083 | .00006   |
| %RSD   | 4.5923 | 1.3722 | 2.4120 | 7.6133 | 3.2899 | 5.0515 | .78802 | .96638   |
| #1     | .02090 | .04227 | .01190 | .02239 | .05384 | .10205 | .10531 | .00666   |
| #2     | .02271 | .04118 | .01237 | .02206 | .05562 | .09699 | .10664 | .00662   |
| #3     | .02259 | .04142 | .01184 | .02528 | .05207 | .09224 | .10510 | .00674   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00604 | 2.1784 | .01063 | .02962 | .01912 | .10972 | .02264 | 2.0812   |
| Stddev | .00007 | .0261  | .00008 | .00017 | .00027 | .00054 | .00011 | .0440    |
| %RSD   | 1.1746 | 1.1985 | .78365 | .56786 | 1.4046 | .48783 | .50338 | 2.1166   |
| #1     | .00611 | 2.1601 | .01057 | .02967 | .01895 | .10974 | .02274 | 2.1320   |
| #2     | .00604 | 2.1668 | .01059 | .02944 | .01943 | .10917 | .02251 | 2.0554   |
| #3     | .00596 | 2.2083 | .01072 | .02976 | .01898 | .11024 | .02267 | 2.0561   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04022 | .01084 | 2.0917 | .04306 | .03850 | 2.0933 | .21825 | .09690   |
| Stddev | .00074 | .00063 | .0267  | .00032 | .00010 | .0420  | .00045 | .00773   |
| %RSD   | 1.8480 | 5.7982 | 1.2788 | .74050 | .24681 | 2.0049 | .20460 | 7.9772   |
| #1     | .03998 | .01013 | 2.0853 | .04277 | .03845 | 2.1170 | .21775 | .10552   |
| #2     | .03963 | .01107 | 2.1210 | .04340 | .03844 | 2.1180 | .21861 | .09461   |
| #3     | .04105 | .01132 | 2.0686 | .04301 | .03861 | 2.0448 | .21839 | .09058   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01811 | .42331 | .03818 | .04207 | .02242 | .0176  | .02172 | F 1.9646 |
| Stddev | .00410 | .00208 | .00054 | .00191 | .00174 | .0002  | .00012 | .0373    |
| %RSD   | 22.646 | .49195 | 1.4241 | 4.5501 | 7.7482 | 1.407  | .55353 | 1.8991   |
| #1     | .01462 | .42560 | .03794 | .04289 | .02048 | .0179  | .02163 | 1.9729   |
| #2     | .01708 | .42153 | .03780 | .04344 | .02383 | .0176  | .02167 | 1.9971   |
| #3     | .02262 | .42279 | .03880 | .03988 | .02294 | .0174  | .02186 | 1.9239   |

Sample Name: CRI01      Acquired: 5/17/2019 11:52:19      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .35273 |
| Stddev | .08556   |
| %RSD   | 24.256   |

|    |        |
|----|--------|
| #1 | .40932 |
| #2 | .39457 |
| #3 | .25430 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4582.3 | 54107. | 4734.7 | 61.453 | 4834.8 |
| Stddev    | 1.3    | 101.   | 42.1   | 1.818  | 4.8    |
| %RSD      | .02801 | .18587 | .88970 | 2.9586 | .10020 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4581.4 | 54055. | 4728.9 | 60.708 | 4835.5 |
| #2 | 4583.8 | 54042. | 4779.4 | 63.525 | 4839.2 |
| #3 | 4581.8 | 54222. | 4695.8 | 60.125 | 4829.6 |

Sample Name: ICSA01      Acquired: 5/17/2019 11:56:45      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00256  | .00292  | -.00180 | .00098  | -.00075 | 277.22  | .00744  | .00296  |
| Stddev | .00214  | .00099  | .00148  | .00147  | .00257  | 1.45    | .00080  | .00007  |
| %RSD   | 83.617  | 33.740  | 82.148  | 150.24  | 343.82  | .52411  | 10.742  | 2.5296  |
| #1     | .00502  | .00326  | -.00257 | .00003  | .00032  | 276.45  | .00662  | .00291  |
| #2     | .00158  | .00370  | -.00272 | .00268  | .00112  | 276.32  | .00749  | .00292  |
| #3     | .00109  | .00181  | -.00009 | .00024  | -.00369 | 278.90  | .00822  | .00305  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00316 | 256.98  | .04849  | -.00081 | .00959  | 98.644  | .01328  | 280.87  |
| Stddev | .00009  | 3.15    | .00066  | .00010  | .00017  | .715    | .00015  | 2.13    |
| %RSD   | 2.6871  | 1.2258  | 1.3604  | 11.929  | 1.7662  | .72456  | 1.0967  | .75874  |
| #1     | -.00308 | 260.34  | .04780  | -.00085 | .00978  | 98.073  | .01312  | 279.05  |
| #2     | -.00316 | 254.09  | .04854  | -.00070 | .00946  | 98.412  | .01330  | 280.35  |
| #3     | -.00325 | 256.52  | .04912  | -.00088 | .00954  | 99.445  | .01341  | 283.22  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00600 | -.00356 | .02195  | .00143  | -.01371 | -.04725 | -.00307 | .00150  |
| Stddev | .00033  | .00039  | .00437  | .00067  | .00025  | .01145  | .00035  | .01143  |
| %RSD   | 5.4374  | 11.077  | 19.893  | 46.945  | 1.8083  | 24.237  | 11.333  | 760.09  |
| #1     | -.00590 | -.00312 | .01778  | .00109  | -.01351 | -.03873 | -.00346 | .00488  |
| #2     | -.00637 | -.00366 | .02159  | .00220  | -.01364 | -.04275 | -.00279 | .01087  |
| #3     | -.00574 | -.00389 | .02649  | .00100  | -.01399 | -.06027 | -.00295 | -.01124 |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .01940  | -.00323 | .00644  | -.00351 | .01161  | .0196   | -.00172 | 4.3227  |
| Stddev | .00349  | .00068  | .00044  | .00165  | .00069  | .0009   | .00166  | .2070   |
| %RSD   | 17.985  | 20.986  | 6.8561  | 47.001  | 5.9348  | 4.645   | 96.485  | 4.7892  |
| #1     | .01901  | -.00313 | .00687  | -.00434 | .01204  | .0201   | .00015  | 4.5094  |
| #2     | .02307  | -.00261 | .00647  | -.00161 | .01197  | .0202   | -.00231 | 4.3586  |
| #3     | .01613  | -.00395 | .00599  | -.00457 | .01081  | .0186   | -.00301 | 4.1001  |

Sample Name: ICSA01      Acquired: 5/17/2019 11:56:45      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 26.457 |
| Stddev | .216   |
| %RSD   | .81813 |

|    |        |
|----|--------|
| #1 | 26.632 |
| #2 | 26.215 |
| #3 | 26.524 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4104.4 | 47884. | 4614.1 | 55.898 | 3891.2 |
| Stddev    | 15.4   | 102.   | 63.3   | .034   | 11.1   |
| %RSD      | .37502 | .21322 | 1.3717 | .06106 | .28416 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4097.4 | 47942. | 4541.0 | 55.877 | 3884.3 |
| #2 | 4093.8 | 47945. | 4650.0 | 55.880 | 3885.4 |
| #3 | 4122.1 | 47767. | 4651.3 | 55.938 | 3904.0 |

Sample Name: ICSAB01      Acquired: 5/17/2019 12:01:24      Type: Unk  
Method: P4-ICP2(v3131)      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    | .10436 | .10408 | .05003 | .05053 | .63409 | 275.83 | .56457 |
| Stddev | .00397 | .00413 | .00156 | .00256 | .00527 | .69    | .00244 |
| %RSD   | 3.8016 | 3.9716 | 3.1160 | 5.0679 | .83048 | .25010 | .43287 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .10566 | .10600 | .04901 | .05215 | .64016 | 276.45 | .56699 |
| #2 | .10751 | .10692 | .05183 | .04758 | .63072 | 275.96 | .56211 |
| #3 | .09990 | .09934 | .04925 | .05188 | .63139 | 275.09 | .56461 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .56134 | .99945 | 252.79 | .57005 | .50178 | .49238 | 97.641 |
| Stddev | .00180 | .01356 | .68    | .00056 | .00694 | .00688 | .150   |
| %RSD   | .32001 | 1.3570 | .26880 | .09808 | 1.3827 | 1.3982 | .15332 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .56290 | 1.0131 | 253.57 | .57013 | .50847 | .49998 | 97.678 |
| #2 | .55937 | .99921 | 252.46 | .56946 | .50226 | .49059 | 97.476 |
| #3 | .56174 | .98600 | 252.34 | .57057 | .49462 | .48657 | 97.769 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .52999 | 278.97 | .98347 | .21706 | .01483 | .52770 | 1.0655 |
| Stddev | .00192 | .56    | .01267 | .00090 | .00444 | .00115 | .0150  |
| %RSD   | .36222 | .20043 | 1.2886 | .41474 | 29.955 | .21791 | 1.4041 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .53212 | 279.20 | .99678 | .21804 | .01023 | .52775 | 1.0811 |
| #2 | .52839 | 278.33 | .98206 | .21687 | .01517 | .52883 | 1.0642 |
| #3 | .52946 | 279.37 | .97156 | .21627 | .01909 | .52653 | 1.0512 |

|        |         |        |        |          |        |        |        |
|--------|---------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664  | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | -.05067 | 1.1441 | 1.1972 | F .01379 | 1.0312 | 1.1553 | 1.1679 |
| Stddev | .01240  | .0117  | .0124  | .00665   | .0056  | .0140  | .0014  |
| %RSD   | 24.463  | 1.0225 | 1.0321 | 48.226   | .54156 | 1.2125 | .12193 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.03897 | 1.1575 | 1.1829 | .00641 | 1.0376 | 1.1701 | 1.1694 |
| #2 | -.06366 | 1.1394 | 1.2054 | .01562 | 1.0271 | 1.1536 | 1.1666 |
| #3 | -.04939 | 1.1355 | 1.2032 | .01932 | 1.0289 | 1.1422 | 1.1676 |

Sample Name: ICSAB01      Acquired: 5/17/2019 12:01:24      Type: Unk  
 Method: P4-ICP2(v3131)      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 .00967 | F .0168 | F -.00189 | 4.0427 | 26.012 |
| Stddev    | .00092   | .0025   | .00053    | .0870  | .171   |
| %RSD      | 9.4772   | 14.88   | 28.090    | 2.1508 | .65642 |
| #1        | .00991   | .0187   | -.00128   | 3.9600 | 26.143 |
| #2        | .01044   | .0140   | -.00220   | 4.0347 | 25.819 |
| #3        | .00865   | .0178   | -.00219   | 4.1334 | 26.075 |
| Int. Std. | Y_2243   | Y_3600  | Y_3710    | In2306 | In2306 |
| Units     | Cts/S    | Cts/S   | Cts/S     | Cts/S  | Cts/S  |
| Avg       | 4119.9   | 48125.  | 4677.7    | 57.240 | 3903.8 |
| Stddev    | 38.0     | 122.    | 20.9      | .728   | 41.7   |
| %RSD      | .92244   | .25284  | .44648    | 1.2716 | 1.0675 |
| #1        | 4079.6   | 47989.  | 4653.6    | 57.957 | 3863.4 |
| #2        | 4125.1   | 48224.  | 4690.4    | 56.502 | 3901.4 |
| #3        | 4155.1   | 48163.  | 4689.0    | 57.261 | 3946.6 |

Sample Name: CCV01      Acquired: 5/17/2019 12:05:47      Type: Unk  
Method: P4-ICP2(v3131)      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    | 4.9937 | 4.9614 | 4.9257 | 4.9971 | 4.9808 | 9.7686 | 9.9323 | .25156   |
| Stddev | .0188  | .0138  | .0056  | .0123  | .0067  | .0699  | .0388  | .00052   |
| %RSD   | .37579 | .27838 | .11345 | .24519 | .13545 | .71601 | .39090 | .20522   |
| #1     | 5.0151 | 4.9678 | 4.9270 | 5.0101 | 4.9877 | 9.7441 | 9.8890 | .25216   |
| #2     | 4.9803 | 4.9707 | 4.9305 | 4.9953 | 4.9742 | 9.7141 | 9.9641 | .25121   |
| #3     | 4.9857 | 4.9455 | 4.9196 | 4.9858 | 4.9804 | 9.8474 | 9.9439 | .25132   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4464 | 25.251 | .99801 | 2.4588 | 1.2347 | 5.0128 | 2.4782 | 24.730   |
| Stddev | .0069  | .043   | .00389 | .0045  | .0021  | .0027  | .0111  | .207     |
| %RSD   | .28391 | .17077 | .38972 | .18259 | .16832 | .05416 | .44572 | .83852   |
| #1     | 2.4469 | 25.283 | .99869 | 2.4595 | 1.2365 | 5.0105 | 2.4707 | 24.492   |
| #2     | 2.4531 | 25.202 | .99382 | 2.4629 | 1.2351 | 5.0121 | 2.4731 | 24.868   |
| #3     | 2.4392 | 25.269 | 1.0015 | 2.4540 | 1.2324 | 5.0158 | 2.4909 | 24.831   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4575 | 1.2484 | 24.786 | 2.5090 | 2.4617 | 24.357 | 5.0105 | 4.8770   |
| Stddev | .0048  | .0011  | .152   | .0078  | .0051  | .139   | .0066  | .0230    |
| %RSD   | .19690 | .08723 | .61336 | .31227 | .20717 | .56882 | .13150 | .47192   |
| #1     | 2.4584 | 1.2495 | 24.670 | 2.5154 | 2.4642 | 24.357 | 5.0179 | 4.8781   |
| #2     | 2.4618 | 1.2473 | 24.729 | 2.5003 | 2.4650 | 24.218 | 5.0081 | 4.8535   |
| #3     | 2.4523 | 1.2484 | 24.958 | 2.5113 | 2.4558 | 24.495 | 5.0054 | 4.8995   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8695 | 4.9467 | 4.9097 | 5.0504 | 4.9635 | 4.915  | 5.0665 | F 3.4580 |
| Stddev | .0042  | .0283  | .0080  | .0138  | .0539  | .018   | .0332  | .1078    |
| %RSD   | .08574 | .57290 | .16359 | .27364 | 1.0850 | .3640  | .65610 | 3.1178   |
| #1     | 4.8714 | 4.9726 | 4.9061 | 5.0624 | 5.0065 | 4.932  | 5.0952 | 3.5318   |
| #2     | 4.8724 | 4.9164 | 4.9189 | 5.0353 | 4.9031 | 4.918  | 5.0301 | 3.5078   |
| #3     | 4.8647 | 4.9510 | 4.9041 | 5.0535 | 4.9809 | 4.896  | 5.0742 | 3.3342   |

Sample Name: CCV01      Acquired: 5/17/2019 12:05:47      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.3079 |
| Stddev | .1979    |
| %RSD   | 8.5731   |

|    |        |
|----|--------|
| #1 | 2.1683 |
| #2 | 2.2211 |
| #3 | 2.5343 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4381.4 | 51673. | 4676.8 | 58.273 | 4272.9 |
| Stddev    | 8.3    | 105.   | 31.9   | .382   | 11.4   |
| %RSD      | .19009 | .20364 | .68130 | .65618 | .26624 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4373.1 | 51675. | 4640.2 | 58.047 | 4268.6 |
| #2 | 4381.1 | 51778. | 4698.6 | 58.714 | 4264.3 |
| #3 | 4389.8 | 51568. | 4691.4 | 58.057 | 4285.8 |

Sample Name: LLCCV01      Acquired: 5/17/2019 12:09:56      Type: Unk  
Method: P4-ICP2(v3131)      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    | .02071 | .04163 | .01251 | .02386 | .05546 | .09783 | .10647 | .00651 |
| Stddev | .00128 | .00040 | .00057 | .00218 | .00124 | .00859 | .00012 | .00002 |
| %RSD   | 6.1890 | .95488 | 4.5929 | 9.1405 | 2.2274 | 8.7841 | .11217 | .32970 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02187 | .04130 | .01223 | .02381 | .05544 | .10362 | .10637 | .00650 |
| #2 | .02092 | .04153 | .01213 | .02606 | .05671 | .08795 | .10660 | .00653 |
| #3 | .01933 | .04207 | .01317 | .02170 | .05424 | .10190 | .10644 | .00649 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00597 | 2.2062 | .01077 | .02936 | .01898 | .10881 | .02223 | 2.0352 |
| Stddev | .00010 | .0222  | .00035 | .00023 | .00044 | .00021 | .00016 | .0462  |
| %RSD   | 1.6808 | 1.0069 | 3.2920 | .79412 | 2.3370 | .19736 | .72370 | 2.2686 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00588 | 2.2035 | .01040 | .02910 | .01847 | .10904 | .02234 | 2.0882 |
| #2 | .00595 | 2.1855 | .01110 | .02944 | .01921 | .10877 | .02204 | 2.0040 |
| #3 | .00608 | 2.2297 | .01083 | .02955 | .01925 | .10862 | .02231 | 2.0132 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04031 | .01060 | 2.0793 | .04285 | .03847 | 2.0500 | .21772 | .10693 |
| Stddev | .00028 | .00055 | .0169  | .00020 | .00022 | .0155  | .00125 | .00943 |
| %RSD   | .68425 | 5.2007 | .81299 | .46342 | .56997 | .75499 | .57225 | 8.8146 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04016 | .01033 | 2.0701 | .04295 | .03827 | 2.0376 | .21721 | .10672 |
| #2 | .04063 | .01023 | 2.0691 | .04263 | .03844 | 2.0673 | .21680 | .11646 |
| #3 | .04015 | .01123 | 2.0989 | .04299 | .03870 | 2.0451 | .21914 | .09761 |

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01786 | .41876 | .03880 | .04267 | .02187 | .0183  | .02177 | F 2.3738 |
| Stddev | .00155 | .00483 | .00031 | .00228 | .00077 | .0010  | .00008 | .0991    |
| %RSD   | 8.6962 | 1.1545 | .80300 | 5.3521 | 3.5221 | 5.287  | .34792 | 4.1749   |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .01719 | .42434 | .03909 | .04173 | .02126 | .0188 | .02172 | 2.2715 |
| #2 | .01964 | .41616 | .03883 | .04101 | .02161 | .0172 | .02185 | 2.4694 |
| #3 | .01676 | .41579 | .03847 | .04527 | .02273 | .0190 | .02172 | 2.3805 |

Sample Name: LLCCV01      Acquired: 5/17/2019 12:09:56      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .39601 |
| Stddev | .35987   |
| %RSD   | 90.874   |

|    |         |
|----|---------|
| #1 | .65652  |
| #2 | -.01462 |
| #3 | .54613  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4587.1 | 54642. | 4773.6 | 61.522 | 4856.2 |
| Stddev    | 6.7    | 146.   | 27.0   | 1.461  | 10.1   |
| %RSD      | .14590 | .26640 | .56649 | 2.3748 | .20750 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4580.1 | 54630. | 4742.4 | 63.133 | 4845.0 |
| #2 | 4593.5 | 54793. | 4787.3 | 60.283 | 4859.1 |
| #3 | 4587.8 | 54502. | 4791.0 | 61.150 | 4864.6 |

Sample Name: CCB01      Acquired: 5/17/2019 12:14:22      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00265  | .00041  | -.00001 | .00023  | .00244  | -.01579 | .00077  | .00001   |
| Stddev | .00151  | .00078  | .00042  | .00369  | .00125  | .00571  | .00001  | .00011   |
| %RSD   | 56.868  | 187.84  | 7891.7  | 1635.7  | 50.941  | 36.157  | 1.3211  | 1596.6   |
| #1     | .00251  | -.00000 | .00043  | .00212  | .00147  | -.02205 | .00077  | .00001   |
| #2     | .00122  | .00131  | -.00003 | .00259  | .00202  | -.01086 | .00078  | -.00010  |
| #3     | .00422  | -.00007 | -.00041 | -.00403 | .00385  | -.01446 | .00076  | .00011   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00004 | .00823  | .00002  | -.00002 | -.00119 | -.00047 | -.00022 | -.06254  |
| Stddev | .00005  | .00804  | .00057  | .00005  | .00038  | .00045  | .00005  | .07012   |
| %RSD   | 123.97  | 97.697  | 3654.4  | 183.68  | 32.114  | 95.616  | 20.808  | 112.13   |
| #1     | .00002  | .00234  | .00042  | -.00003 | -.00103 | -.00017 | -.00019 | -.04547  |
| #2     | -.00006 | .00495  | .00027  | -.00007 | -.00162 | -.00098 | -.00028 | -.00253  |
| #3     | -.00007 | .01739  | -.00064 | .00002  | -.00091 | -.00025 | -.00020 | -.13962  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00005  | .00026  | -.02706 | .00046  | -.00125 | .00729  | -.00019 | -.00071  |
| Stddev | .00008  | .00045  | .00934  | .00031  | .00007  | .00960  | .00030  | .01358   |
| %RSD   | 157.55  | 172.93  | 34.515  | 67.913  | 5.8043  | 131.72  | 158.89  | 1912.8   |
| #1     | .00004  | .00051  | -.03715 | .00047  | -.00122 | -.00289 | .00015  | .01335   |
| #2     | -.00002 | .00053  | -.02532 | .00014  | -.00120 | .01618  | -.00032 | -.01375  |
| #3     | .00014  | -.00026 | -.01871 | .00077  | -.00134 | .00858  | -.00039 | -.00173  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00069 | -.00127 | -.00126 | .00014  | -.00014 | -.0007  | -.00014 | F 2.4460 |
| Stddev | .00361  | .00148  | .00062  | .00151  | .00149  | .0019   | .00007  | .1592    |
| %RSD   | 520.96  | 116.80  | 49.182  | 1101.1  | 1034.7  | 256.2   | 54.231  | 6.5071   |
| #1     | -.00008 | .00005  | -.00057 | -.00144 | -.00041 | -.0000  | -.00022 | 2.3316   |
| #2     | -.00458 | -.00287 | -.00144 | .00029  | .00146  | .0007   | -.00007 | 2.6278   |
| #3     | .00257  | -.00097 | -.00176 | .00157  | -.00148 | -.0029  | -.00013 | 2.3787   |

Sample Name: CCB01      Acquired: 5/17/2019 12:14:22      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .71409 |
| Stddev | .10239   |
| %RSD   | 14.338   |

|    |        |
|----|--------|
| #1 | .78001 |
| #2 | .76612 |
| #3 | .59613 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4590.0 | 54723. | 4760.9 | 62.100 | 4890.3 |
| Stddev    | 6.0    | 141.   | 37.0   | 1.759  | 3.4    |
| %RSD      | .13131 | .25683 | .77776 | 2.8323 | .06951 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4583.0 | 54796. | 4734.9 | 60.883 | 4888.0 |
| #2 | 4593.9 | 54811. | 4803.3 | 61.300 | 4894.2 |
| #3 | 4593.0 | 54561. | 4744.5 | 64.117 | 4888.7 |

Sample Name: K2852-01      Acquired: 5/17/2019 12:18:19      Type: Unk  
Method: P4-ICP2(v3131)      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    | .15808 | -.00538  | 1.6197 | .01128 | .01546 | 78.107 | .79086 | .00836 |
| Stddev | .00210 | .00074   | .0033  | .00302 | .00291 | .616   | .00715 | .00016 |
| %RSD   | 1.3296 | 13.842   | .20347 | 26.747 | 18.812 | .78916 | .90462 | 1.9268 |
| #1     | .15588 | -.00581  | 1.6159 | .01447 | .01232 | 77.461 | .78358 | .00854 |
| #2     | .16007 | -.00452  | 1.6222 | .00848 | .01807 | 78.688 | .79788 | .00830 |
| #3     | .15828 | -.00581  | 1.6209 | .01089 | .01598 | 78.171 | .79112 | .00824 |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00283 | 43.199   | .09946 | .05604 | .80978 | 118.16 | 1.7800 | 20.286 |
| Stddev | .00008 | .138     | .00034 | .00027 | .00208 | .33    | .0047  | .187   |
| %RSD   | 2.6696 | .31858   | .34289 | .48849 | .25646 | .28168 | .26155 | .92411 |
| #1     | .00290 | 43.130   | .09963 | .05591 | .81184 | 117.83 | 1.7842 | 20.144 |
| #2     | .00275 | 43.110   | .09969 | .05586 | .80980 | 118.16 | 1.7808 | 20.498 |
| #3     | .00282 | 43.358   | .09907 | .05636 | .80769 | 118.49 | 1.7750 | 20.214 |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .09548 | -.00054  | 4.8632 | .21884 | 3.3230 | 10.630 | .00652 | .04673 |
| Stddev | .00046 | .00016   | .0513  | .00052 | .0073  | .071   | .00062 | .01122 |
| %RSD   | .48588 | 29.417   | 1.0543 | .23778 | .21808 | .66329 | 9.4708 | 24.006 |
| #1     | .09495 | -.00072  | 4.8132 | .21942 | 3.3215 | 10.574 | .00643 | .03379 |
| #2     | .09570 | -.00041  | 4.9157 | .21842 | 3.3166 | 10.709 | .00718 | .05260 |
| #3     | .09580 | -.00049  | 4.8608 | .21868 | 3.3309 | 10.607 | .00596 | .05379 |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.1582 | F 64.850 | .12912 | 1.7782 | .08807 | 3.116  | .24362 | 1.6924 |
| Stddev | .0184  | .546     | .00062 | .0097  | .00160 | .005   | .00151 | .0607  |
| %RSD   | .58367 | .84264   | .47955 | .54425 | 1.8205 | .1605  | .61911 | 3.5838 |
| #1     | 3.1752 | 65.236   | .12916 | 1.7733 | .08984 | 3.117  | .24264 | 1.6247 |
| #2     | 3.1386 | 64.225   | .12848 | 1.7893 | .08671 | 3.111  | .24286 | 1.7106 |
| #3     | 3.1609 | 65.089   | .12972 | 1.7718 | .08767 | 3.121  | .24535 | 1.7418 |

Sample Name: K2852-01      Acquired: 5/17/2019 12:18:19      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 33.066 |
| Stddev | .299   |
| %RSD   | .90569 |

|    |        |
|----|--------|
| #1 | 32.782 |
| #2 | 33.036 |
| #3 | 33.379 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4765.8 | 56751. | 5208.7 | 59.374 | 4376.6 |
| Stddev    | 5.4    | 205.   | 50.1   | .892   | 7.5    |
| %RSD      | .11329 | .36193 | .96119 | 1.5015 | .17096 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4764.7 | 56595. | 5156.6 | 58.476 | 4377.4 |
| #2 | 4761.0 | 56674. | 5256.5 | 60.259 | 4383.6 |
| #3 | 4771.6 | 56983. | 5212.9 | 59.386 | 4368.7 |

Sample Name: K2852-01DUP      Acquired: 5/17/2019 12:22:40      Type: Unk  
Method: P4-ICP2(v3131)      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    | .16013 | -.00418  | 1.6095 | .00927 | .01527 | 77.068 | .78434 | .00840 |
| Stddev | .00281 | .00130   | .0030  | .00167 | .00118 | .121   | .00424 | .00009 |
| %RSD   | 1.7544 | 31.117   | .18531 | 17.996 | 7.7012 | .15764 | .54047 | 1.1246 |
| #1     | .15847 | -.00312  | 1.6063 | .01110 | .01576 | 77.055 | .78177 | .00833 |
| #2     | .16337 | -.00379  | 1.6098 | .00784 | .01393 | 76.953 | .78201 | .00850 |
| #3     | .15855 | -.00563  | 1.6123 | .00887 | .01613 | 77.195 | .78923 | .00835 |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00273 | 43.059   | .09892 | .05537 | .81008 | 117.37 | 1.7664 | 20.269 |
| Stddev | .00007 | .155     | .00046 | .00033 | .00101 | .68    | .0067  | .219   |
| %RSD   | 2.6805 | .35986   | .46979 | .59963 | .12527 | .57988 | .37838 | 1.0828 |
| #1     | .00280 | 42.888   | .09855 | .05504 | .81011 | 116.59 | 1.7645 | 20.347 |
| #2     | .00266 | 43.100   | .09944 | .05538 | .81108 | 117.79 | 1.7609 | 20.021 |
| #3     | .00272 | 43.189   | .09875 | .05570 | .80905 | 117.74 | 1.7738 | 20.439 |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .09554 | -.00002  | 4.8403 | .21873 | 3.2929 | 10.388 | .00633 | .05300 |
| Stddev | .00040 | .00043   | .0439  | .00057 | .0031  | .064   | .00063 | .01078 |
| %RSD   | .42211 | 1782.3   | .90706 | .26100 | .09296 | .61602 | 9.9894 | 20.336 |
| #1     | .09509 | .00026   | 4.8436 | .21810 | 3.2895 | 10.400 | .00643 | .04347 |
| #2     | .09588 | -.00052  | 4.7948 | .21886 | 3.2955 | 10.319 | .00565 | .06470 |
| #3     | .09564 | .00019   | 4.8824 | .21922 | 3.2936 | 10.445 | .00690 | .05084 |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.1284 | F 64.697 | .12853 | 1.7605 | .08643 | 3.089  | .24159 | 2.0051 |
| Stddev | .0089  | .327     | .00164 | .0158  | .00078 | .004   | .00115 | .1412  |
| %RSD   | .28399 | .50476   | 1.2791 | .89579 | .90298 | .1150  | .47630 | 7.0407 |
| #1     | 3.1383 | 64.516   | .12756 | 1.7428 | .08722 | 3.088  | .24249 | 2.1275 |
| #2     | 3.1212 | 65.074   | .13043 | 1.7659 | .08566 | 3.092  | .24200 | 2.0373 |
| #3     | 3.1256 | 64.501   | .12760 | 1.7729 | .08642 | 3.085  | .24029 | 1.8507 |

Sample Name: K2852-01DUP      Acquired: 5/17/2019 12:22:40      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 33.634 |
| Stddev | .424   |
| %RSD   | 1.2605 |

|    |        |
|----|--------|
| #1 | 33.415 |
| #2 | 33.364 |
| #3 | 34.123 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4753.9 | 56878. | 5219.3 | 59.573 | 4383.5 |
| Stddev    | .6     | 15.    | 29.6   | 1.209  | 6.2    |
| %RSD      | .01331 | .02566 | .56769 | 2.0297 | .14109 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4754.6 | 56892. | 5223.7 | 60.956 | 4390.2 |
| #2 | 4753.8 | 56878. | 5187.7 | 58.717 | 4382.2 |
| #3 | 4753.4 | 56863. | 5246.5 | 59.046 | 4378.0 |

Sample Name: K2852-01LX5      Acquired: 5/17/2019 12:27:02      Type: Unk  
 Method: P4-ICP2(v3131)      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    | .03612 | -.00151  | .33996 | .00472 | .00386 | 16.612 | .17040 | .00182 |
| Stddev | .00107 | .00039   | .00143 | .00436 | .00120 | .079   | .00121 | .00003 |
| %RSD   | 2.9502 | 26.063   | .42096 | 92.324 | 31.067 | .47501 | .71222 | 1.3865 |
| #1     | .03632 | -.00183  | .33901 | .00925 | .00446 | 16.524 | .16945 | .00180 |
| #2     | .03708 | -.00163  | .33926 | .00056 | .00465 | 16.638 | .16998 | .00185 |
| #3     | .03498 | -.00107  | .34161 | .00435 | .00248 | 16.675 | .17177 | .00181 |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00010 | 9.7572   | .02087 | .01173 | .19507 | 28.215 | 1.2152 | 4.5332 |
| Stddev | .00004 | .0547    | .00041 | .00010 | .00086 | .026   | .0003  | .0776  |
| %RSD   | 43.737 | .56088   | 1.9515 | .86822 | .43865 | .09260 | .02773 | 1.7109 |
| #1     | .00015 | 9.7154   | .02090 | .01184 | .19585 | 28.244 | 1.2155 | 4.5470 |
| #2     | .00009 | 9.8191   | .02046 | .01166 | .19415 | 28.195 | 1.2154 | 4.4497 |
| #3     | .00007 | 9.7370   | .02127 | .01167 | .19520 | 28.205 | 1.2149 | 4.6030 |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20073 | .00011   | 1.9190 | .04608 | .83766 | 2.8367 | .00108 | .01117 |
| Stddev | .00014 | .00024   | .0309  | .00040 | .00145 | .0162  | .00020 | .00608 |
| %RSD   | .07211 | 227.67   | 1.6088 | .86433 | .17308 | .57013 | 18.206 | 54.496 |
| #1     | .20061 | -.00008  | 1.9243 | .04590 | .83702 | 2.8185 | .00086 | .01563 |
| #2     | .20069 | .00038   | 1.8858 | .04654 | .83932 | 2.8421 | .00122 | .00423 |
| #3     | .20089 | .00002   | 1.9469 | .04581 | .83664 | 2.8495 | .00118 | .01363 |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77997 | F 15.203 | .02507 | .37240 | .01886 | .6377  | .05287 | 2.0440 |
| Stddev | .00126 | .123     | .00050 | .00854 | .00098 | .0029  | .00043 | .0702  |
| %RSD   | .16182 | .81126   | 2.0028 | 2.2935 | 5.2071 | .4487  | .81491 | 3.4328 |
| #1     | .77986 | 15.219   | .02557 | .38226 | .01786 | .6349  | .05244 | 2.1245 |
| #2     | .78128 | 15.317   | .02507 | .36758 | .01983 | .6406  | .05330 | 2.0116 |
| #3     | .77876 | 15.072   | .02456 | .36736 | .01889 | .6376  | .05288 | 1.9958 |

Sample Name: K2852-01LX5      Acquired: 5/17/2019 12:27:02      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 7.9164 |
| Stddev | .1797  |
| %RSD   | 2.2704 |

|    |        |
|----|--------|
| #1 | 7.8451 |
| #2 | 8.1209 |
| #3 | 7.7833 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4600.6 | 54234. | 4841.8 | 60.625 | 4671.8 |
| Stddev    | 8.2    | 28.    | 44.0   | 1.827  | 5.1    |
| %RSD      | .17886 | .05107 | .90971 | 3.0134 | .10885 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4593.1 | 54248. | 4837.4 | 62.283 | 4672.7 |
| #2 | 4609.4 | 54251. | 4800.2 | 58.667 | 4666.4 |
| #3 | 4599.2 | 54202. | 4887.9 | 60.925 | 4676.4 |

Sample Name: K2852-01MS      Acquired: 5/17/2019 12:31:20      Type: Unk  
Method: P4-ICP2(v3131)      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    | .85086 | 1.8761   | 2.5069 | 1.7618 | .71208 | 79.173 | .95241 | .18610 |
| Stddev | .00586 | .0062    | .0019  | .0042  | .00346 | .449   | .00803 | .00043 |
| %RSD   | .68866 | .33126   | .07798 | .23877 | .48561 | .56701 | .84290 | .23129 |
| #1     | .85326 | 1.8824   | 2.5048 | 1.7666 | .71279 | 78.707 | .94536 | .18569 |
| #2     | .85514 | 1.8700   | 2.5071 | 1.7592 | .71512 | 79.603 | .96115 | .18655 |
| #3     | .84418 | 1.8757   | 2.5087 | 1.7595 | .70832 | 79.208 | .95072 | .18606 |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18881 | 43.276   | .46674 | .24801 | 1.0596 | 117.41 | 1.9300 | 21.548 |
| Stddev | .00054 | .258     | .00117 | .00070 | .0032  | .54    | .0069  | .263   |
| %RSD   | .28620 | .59708   | .25002 | .28140 | .29792 | .45735 | .35756 | 1.2220 |
| #1     | .18855 | 43.366   | .46633 | .24874 | 1.0620 | 117.08 | 1.9340 | 21.353 |
| #2     | .18845 | 42.984   | .46583 | .24794 | 1.0607 | 117.11 | 1.9220 | 21.848 |
| #3     | .18943 | 43.476   | .46805 | .24734 | 1.0560 | 118.03 | 1.9339 | 21.444 |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .56930 | .06578   | 7.5122 | .49090 | 3.4246 | 19.419 | .36986 | .32407 |
| Stddev | .00104 | .00024   | .0553  | .00061 | .0051  | .023   | .00216 | .00921 |
| %RSD   | .18252 | .36790   | .73541 | .12375 | .14863 | .12070 | .58354 | 2.8419 |
| #1     | .57042 | .06606   | 7.4499 | .49074 | 3.4270 | 19.397 | .37202 | .31440 |
| #2     | .56837 | .06567   | 7.5554 | .49157 | 3.4280 | 19.444 | .36988 | .33273 |
| #3     | .56911 | .06561   | 7.5312 | .49038 | 3.4187 | 19.416 | .36770 | .32507 |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.0587 | F 66.438 | .78230 | 1.9645 | .27594 | 8.436  | .41746 | 1.6958 |
| Stddev | .0086  | .805     | .00221 | .0181  | .00241 | .015   | .00329 | .0780  |
| %RSD   | .28033 | 1.2112   | .28281 | .91924 | .87464 | .1807  | .78856 | 4.6013 |
| #1     | 3.0686 | 67.085   | .78463 | 1.9447 | .27780 | 8.452  | .41980 | 1.6678 |
| #2     | 3.0534 | 65.537   | .78023 | 1.9689 | .27321 | 8.421  | .41369 | 1.7840 |
| #3     | 3.0542 | 66.692   | .78205 | 1.9800 | .27680 | 8.436  | .41888 | 1.6356 |

Sample Name: K2852-01MS      Acquired: 5/17/2019 12:31:20      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 31.738 |
| Stddev | .521   |
| %RSD   | 1.6401 |

|    |        |
|----|--------|
| #1 | 31.143 |
| #2 | 31.964 |
| #3 | 32.109 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4716.7 | 55932. | 5105.0 | 59.914 | 4330.0 |
| Stddev    | 20.3   | 82.    | 73.7   | .964   | 5.4    |
| %RSD      | .43079 | .14665 | 1.4435 | 1.6095 | .12357 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4707.2 | 55846. | 5043.1 | 59.789 | 4327.8 |
| #2 | 4702.9 | 56009. | 5186.5 | 60.935 | 4326.1 |
| #3 | 4740.0 | 55940. | 5085.3 | 59.018 | 4336.1 |

Sample Name: K2852-01MSD      Acquired: 5/17/2019 12:35:32      Type: Unk  
Method: P4-ICP2(v3131)      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    | .84527 | 1.8764   | 2.5049 | 1.7677 | .71009 | 78.756 | .95252 | .18597 |
| Stddev | .00377 | .0050    | .0087  | .0090  | .00212 | .553   | .00867 | .00075 |
| %RSD   | .44624 | .26871   | .34678 | .51006 | .29843 | .70165 | .91010 | .40142 |
| #1     | .84757 | 1.8821   | 2.5070 | 1.7697 | .71090 | 78.365 | .94471 | .18541 |
| #2     | .84733 | 1.8724   | 2.5123 | 1.7755 | .71168 | 79.389 | .96185 | .18567 |
| #3     | .84092 | 1.8749   | 2.4953 | 1.7578 | .70768 | 78.515 | .95102 | .18681 |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18760 | 42.969   | .46677 | .24837 | 1.0581 | 118.00 | 1.9309 | 21.672 |
| Stddev | .00075 | .209     | .00100 | .00111 | .0004  | 1.21   | .0066  | .231   |
| %RSD   | .39887 | .48730   | .21451 | .44589 | .03939 | 1.0259 | .34108 | 1.0661 |
| #1     | .18845 | 42.858   | .46617 | .24932 | 1.0579 | 116.81 | 1.9297 | 21.481 |
| #2     | .18728 | 42.837   | .46622 | .24864 | 1.0578 | 119.23 | 1.9379 | 21.929 |
| #3     | .18706 | 43.210   | .46793 | .24716 | 1.0586 | 117.97 | 1.9249 | 21.606 |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .56904 | .06660   | 7.5093 | .49037 | 3.4165 | 19.347 | .36903 | .31968 |
| Stddev | .00233 | .00022   | .0783  | .00095 | .0089  | .185   | .00087 | .00486 |
| %RSD   | .40860 | .32964   | 1.0420 | .19398 | .26040 | .95841 | .23601 | 1.5198 |
| #1     | .57125 | .06685   | 7.4480 | .48939 | 3.4266 | 19.177 | .36929 | .31761 |
| #2     | .56925 | .06654   | 7.5974 | .49129 | 3.4134 | 19.545 | .36974 | .31620 |
| #3     | .56662 | .06642   | 7.4824 | .49043 | 3.4096 | 19.320 | .36806 | .32523 |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.0607 | F 65.835 | .78315 | 1.9635 | .27329 | 8.445  | .41209 | 1.6791 |
| Stddev | .0023  | .669     | .00109 | .0227  | .00035 | .028   | .00227 | .0804  |
| %RSD   | .07487 | 1.0164   | .13869 | 1.1563 | .12831 | .3296  | .55107 | 4.7893 |
| #1     | 3.0590 | 66.458   | .78361 | 1.9489 | .27290 | 8.478  | .41376 | 1.6236 |
| #2     | 3.0597 | 65.128   | .78394 | 1.9520 | .27358 | 8.432  | .40951 | 1.6424 |
| #3     | 3.0633 | 65.919   | .78191 | 1.9897 | .27339 | 8.427  | .41301 | 1.7713 |

Sample Name: K2852-01MSD      Acquired: 5/17/2019 12:35:32      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 31.860 |
| Stddev | .248   |
| %RSD   | .77914 |

|    |        |
|----|--------|
| #1 | 31.594 |
| #2 | 32.085 |
| #3 | 31.902 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4719.4 | 55961. | 5149.9 | 59.293 | 4337.5 |
| Stddev    | 2.7    | 203.   | 37.3   | .181   | 8.0    |
| %RSD      | .05618 | .36208 | .72356 | .30599 | .18398 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4721.8 | 56078. | 5121.8 | 59.085 | 4328.3 |
| #2 | 4716.6 | 55727. | 5192.2 | 59.419 | 4341.7 |
| #3 | 4719.7 | 56078. | 5135.9 | 59.375 | 4342.5 |

Sample Name: K2852-02      Acquired: 5/17/2019 12:39:43      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00347 | .00106 | .12805 | .00281 | .00173 | 1.1345 | .05864 | .00034 |
| Stddev | .00104 | .00112 | .00060 | .00059 | .00143 | .0027  | .00046 | .00009 |
| %RSD   | 29.834 | 104.90 | .46592 | 20.883 | 83.016 | .24020 | .78322 | 25.539 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00371 | -.00021 | .12811 | .00346 | .00033 | 1.1363 | .05835 | .00031 |
| #2 | .00234 | .00155  | .12861 | .00232 | .00167 | 1.1313 | .05840 | .00027 |
| #3 | .00436 | .00186  | .12742 | .00266 | .00319 | 1.1358 | .05917 | .00043 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00054 | 4.5443 | .00111 | .00259 | .05917 | 1.5716 | .14723 | .77393 |
| Stddev | .00003 | .0260  | .00028 | .00007 | .00026 | .0036  | .00087 | .06597 |
| %RSD   | 5.4603 | .57197 | 25.599 | 2.5408 | .43750 | .22666 | .59379 | 8.5237 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00055 | 4.5284 | .00105 | .00263 | .05922 | 1.5740 | .14637 | .82736 |
| #2 | .00057 | 4.5302 | .00142 | .00263 | .05889 | 1.5675 | .14812 | .79424 |
| #3 | .00051 | 4.5743 | .00086 | .00251 | .05941 | 1.5733 | .14719 | .70020 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00503 | -.00014 | .39060 | .00548 | .21666 | .37489 | -.00037 | -.00044 |
| Stddev | .00040 | .00014  | .00634 | .00016 | .00057 | .04251 | .00013  | .00044  |
| %RSD   | 7.9222 | 100.29  | 1.6233 | 2.9071 | .26120 | 11.339 | 34.922  | 100.12  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .00468 | -.00010 | .39235 | .00566 | .21726 | .39620 | -.00047 | .00005  |
| #2 | .00546 | -.00029 | .39589 | .00536 | .21614 | .40252 | -.00042 | -.00057 |
| #3 | .00495 | -.00002 | .38357 | .00543 | .21657 | .32594 | -.00023 | -.00079 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .23448 | 1.5922 | -.00262 | .00800 | -.00186 | .0667  | .03518 | 1.8969 |
| Stddev | .00043 | .0165  | .00064  | .00238 | .00220  | .0004  | .00017 | .1721  |
| %RSD   | .18186 | 1.0336 | 24.356  | 29.806 | 118.50  | .5306  | .47043 | 9.0724 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | .23399 | 1.6090 | -.00190 | .00984 | -.00016 | .0664 | .03530 | 2.0344 |
| #2 | .23470 | 1.5916 | -.00282 | .00886 | -.00106 | .0671 | .03499 | 1.7039 |
| #3 | .23476 | 1.5761 | -.00313 | .00531 | -.00434 | .0667 | .03525 | 1.9523 |

Sample Name: K2852-02      Acquired: 5/17/2019 12:39:43      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.1833  
Stddev      .5758  
%RSD      48.658

#1      .54307  
#2      1.6586  
#3      1.3484

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4604.7 | 54503. | 4765.8 | 62.322 | 4837.5 |
| Stddev    | 6.7    | 82.    | .7     | 2.261  | 2.5    |
| %RSD      | .14515 | .15103 | .01392 | 3.6286 | .05269 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4604.8 | 54578. | 4766.1 | 64.933 | 4834.5 |
| #2 | 4597.9 | 54415. | 4765.0 | 61.042 | 4838.8 |
| #3 | 4611.3 | 54515. | 4766.2 | 60.992 | 4839.1 |

Sample Name: K2874-01      Acquired: 5/17/2019 12:44:05      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 390502735      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |        |         |         |         |         |
|--------|----------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .03398   | -.00566 | .08427 | .00418 | -.00106 | 242.23  | .12163  | .01822  |
| Stddev | .00183   | .00209  | .00226 | .00290 | .00120  | 1.12    | .00030  | .00008  |
| %RSD   | 5.3797   | 36.876  | 2.6772 | 69.545 | 113.41  | .46044  | .25060  | .41506  |
| #1     | .03607   | -.00535 | .08677 | .00710 | -.00244 | 241.30  | .12183  | .01828  |
| #2     | .03319   | -.00375 | .08240 | .00414 | -.00035 | 243.47  | .12179  | .01824  |
| #3     | .03267   | -.00788 | .08363 | .00129 | -.00038 | 241.92  | .12128  | .01813  |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00080   | 23.516  | .02510 | .05907 | .05536  | 106.12  | 1.0180  | 6.7172  |
| Stddev | .00019   | .222    | .00063 | .00025 | .00051  | .41     | .0022   | .0462   |
| %RSD   | 23.329   | .94215  | 2.5004 | .41737 | .92970  | .38529  | .21567  | .68809  |
| #1     | .00101   | 23.514  | .02454 | .05934 | .05548  | 105.70  | 1.0163  | 6.7538  |
| #2     | .00070   | 23.295  | .02578 | .05885 | .05579  | 106.14  | 1.0205  | 6.6652  |
| #3     | .00068   | 23.738  | .02499 | .05904 | .05479  | 106.52  | 1.0173  | 6.7325  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .05520   | -.00409 | .64132 | .05513 | .55727  | .83245  | .00003  | -.00338 |
| Stddev | .00042   | .00024  | .00372 | .00046 | .00070  | .00873  | .00015  | .01164  |
| %RSD   | .75190   | 5.7926  | .58039 | .84226 | .12533  | 1.0484  | 506.65  | 344.16  |
| #1     | .05511   | -.00386 | .63977 | .05488 | .55702  | .82838  | .00019  | .01005  |
| #2     | .05565   | -.00433 | .64556 | .05567 | .55806  | .84246  | -.00011 | -.01041 |
| #3     | .05483   | -.00408 | .63862 | .05485 | .55674  | .82649  | .00001  | -.00978 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361 | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | F 19.063 | 1.7142  | .00491 | .23317 | -.00108 | F 13.36 | -.03410 | <.00000 |
| Stddev | .091     | .0185   | .00087 | .00444 | .00041  | .07     | .00064  | .21576  |
| %RSD   | .47974   | 1.0770  | 17.789 | 1.9043 | 37.945  | .4994   | 1.8896  | 3.2867  |
| #1     | 19.143   | 1.6941  | .00547 | .22856 | -.00089 | 13.31   | -.03340 | -6.5632 |
| #2     | 19.082   | 1.7305  | .00391 | .23352 | -.00155 | 13.44   | -.03421 | -6.7811 |
| #3     | 18.963   | 1.7180  | .00536 | .23742 | -.00079 | 13.34   | -.03468 | -6.3496 |

Sample Name: K2874-01      Acquired: 5/17/2019 12:44:05      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 390502735      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 43.742 |
| Stddev | .212   |
| %RSD   | .48491 |

|    |        |
|----|--------|
| #1 | 43.508 |
| #2 | 43.921 |
| #3 | 43.796 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6996.8 | 82224. | 7720.8 | 58.558 | 4222.3 |
| Stddev    | 11.3   | 34.    | 57.2   | 1.584  | 10.9   |
| %RSD      | .16155 | .04101 | .74112 | 2.7057 | .25912 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 7007.8 | 82227. | 7710.4 | 57.245 | 4216.0 |
| #2 | 6985.2 | 82257. | 7782.6 | 60.318 | 4216.0 |
| #3 | 6997.4 | 82189. | 7669.6 | 58.111 | 4234.9 |

Sample Name: K2875-01      Acquired: 5/17/2019 12:48:34      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 390501217.2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00157 | -.00230 | .02092 | .00687 | .00036 | 44.175 | .52828 | .00027 |
| Stddev | .00069 | .00110  | .00053 | .00300 | .00057 | .695   | .00840 | .00004 |
| %RSD   | 44.118 | 47.921  | 2.5397 | 43.618 | 159.47 | 1.5734 | 1.5909 | 13.299 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00092 | -.00104 | .02147 | .01031 | .00046  | 43.847 | .52427 | .00027 |
| #2 | .00149 | -.00311 | .02041 | .00547 | -.00026 | 44.973 | .53794 | .00023 |
| #3 | .00230 | -.00275 | .02088 | .00483 | .00087  | 43.704 | .52263 | .00030 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00040 | 18.737 | .01266 | .00058 | .54793 | 3.5220 | .10878 | 3.3440 |
| Stddev | .00006 | .113   | .00004 | .00019 | .00120 | .0685  | .00189 | .0360  |
| %RSD   | 15.116 | .60182 | .35238 | 32.538 | .21885 | 1.9462 | 1.7406 | 1.0756 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00041 | 18.828 | .01261 | .00039 | .54769 | 3.5106 | .10768 | 3.3069 |
| #2 | .00034 | 18.611 | .01269 | .00076 | .54923 | 3.5956 | .11097 | 3.3787 |
| #3 | .00046 | 18.773 | .01267 | .00059 | .54687 | 3.4599 | .10770 | 3.3463 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00693 | .00080 | 1.5950 | .00297 | .52877 | 1.4925 | .00232 | .01177 |
| Stddev | .00042 | .00003 | .0265  | .00028 | .00036 | .0173  | .00018 | .00931 |
| %RSD   | 6.0247 | 4.2052 | 1.6632 | 9.6085 | .06845 | 1.1570 | 7.8300 | 79.058 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00683 | .00080 | 1.5940 | .00327 | .52918 | 1.4784 | .00213 | .02249 |
| #2 | .00658 | .00083 | 1.6221 | .00270 | .52864 | 1.5117 | .00235 | .00703 |
| #3 | .00739 | .00077 | 1.5690 | .00292 | .52849 | 1.4873 | .00249 | .00579 |

|        |        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | 4.9253 | 8.1602 | .00142 | .25426 | -.00232 | F 19.95 | .08617 | 3.1472 |
| Stddev | .0077  | .0463  | .00023 | .00360 | .00083  | .04     | .00071 | .3297  |
| %RSD   | .15635 | .56782 | 16.460 | 1.4168 | 35.842  | .1878   | .81981 | 10.477 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | 4.9303 | 8.1315 | .00160 | .25739 | -.00137 | 19.99 | .08694 | 3.1871 |
| #2 | 4.9291 | 8.2137 | .00116 | .25508 | -.00292 | 19.91 | .08556 | 3.4551 |
| #3 | 4.9164 | 8.1355 | .00151 | .25032 | -.00266 | 19.95 | .08602 | 2.7993 |

Sample Name: K2875-01      Acquired: 5/17/2019 12:48:34      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 390501217.2      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.5167 |
| Stddev | .1316  |
| %RSD   | 8.6802 |

|    |        |
|----|--------|
| #1 | 1.5605 |
| #2 | 1.6209 |
| #3 | 1.3687 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4522.8 | 53509. | 4858.4 | 60.602 | 4679.2 |
| Stddev    | 3.5    | 922.   | 29.1   | .299   | 1.6    |
| %RSD      | .07847 | 1.7236 | .59915 | .49257 | .03400 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4526.3 | 53926. | 4824.8 | 60.863 | 4680.2 |
| #2 | 4519.2 | 52452. | 4875.7 | 60.666 | 4677.4 |
| #3 | 4522.8 | 54149. | 4874.6 | 60.277 | 4680.1 |

Sample Name: K2876-01      Acquired: 5/17/2019 12:52:48      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 390501185      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00209 | -.00171 | .00275 | .00321 | -.00033 | 32.137 | .02991 | .00023 |
| Stddev | .00110 | .00077  | .00035 | .00212 | .00047  | .166   | .00058 | .00008 |
| %RSD   | 52.512 | 44.855  | 12.907 | 66.028 | 141.35  | .51715 | 1.9393 | 32.942 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00146 | -.00087 | .00316 | .00143 | -.00087 | 32.322 | .03009 | .00023 |
| #2 | .00335 | -.00189 | .00255 | .00555 | -.00015 | 32.087 | .02926 | .00031 |
| #3 | .00145 | -.00237 | .00253 | .00264 | .00002  | 32.001 | .03037 | .00016 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00018 | 1.0682 | -.00003 | .00076 | .04639 | 3.5502 | 2.4562 | .18049 |
| Stddev | .00003  | .0047  | .00018  | .00027 | .00029 | .0313  | .0160  | .06725 |
| %RSD   | 18.196  | .44181 | 517.64  | 35.605 | .63417 | .88138 | .65108 | 37.261 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00014 | 1.0735 | -.00015 | .00102 | .04635 | 3.5145 | 2.4379 | .10707 |
| #2 | -.00020 | 1.0646 | .00017  | .00048 | .04671 | 3.5726 | 2.4674 | .19529 |
| #3 | -.00019 | 1.0664 | -.00012 | .00078 | .04612 | 3.5636 | 2.4633 | .23911 |

|        |        |        |        |         |        |        |         |         |
|--------|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00049 | .00024 | .98144 | -.00251 | .01805 | .08931 | -.00013 | -.00630 |
| Stddev | .00015 | .00028 | .01183 | .00057  | .00011 | .01922 | .00008  | .00365  |
| %RSD   | 30.827 | 118.24 | 1.2049 | 22.793  | .58444 | 21.522 | 62.278  | 58.007  |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | .00063 | .00015 | .99491 | -.00267 | .01808 | .08519 | -.00008 | -.00901 |
| #2 | .00052 | .00001 | .97666 | -.00188 | .01814 | .11026 | -.00023 | -.00214 |
| #3 | .00033 | .00055 | .97275 | -.00299 | .01793 | .07248 | -.00009 | -.00774 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.7643 | 3.8061 | -.00304 | .01718 | -.00242 | .4280  | .00169 | 2.8977 |
| Stddev | .0067  | .0074  | .00049  | .00369 | .00151  | .0016  | .00006 | .0255  |
| %RSD   | .38081 | .19422 | 16.112  | 21.482 | 62.443  | .3629  | 3.7735 | .87908 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 1.7695 | 3.8084 | -.00354 | .01718 | -.00410 | .4268 | .00175 | 2.8889 |
| #2 | 1.7668 | 3.7979 | -.00301 | .02088 | -.00203 | .4276 | .00163 | 2.9265 |
| #3 | 1.7567 | 3.8121 | -.00256 | .01349 | -.00115 | .4298 | .00168 | 2.8779 |

Sample Name: K2876-01      Acquired: 5/17/2019 12:52:48      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 390501185      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.1645 |
| Stddev | .3258  |
| %RSD   | 27.977 |

|    |        |
|----|--------|
| #1 | .78871 |
| #2 | 1.3379 |
| #3 | 1.3670 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4547.5 | 53882. | 4812.7 | 60.367 | 4764.2 |
| Stddev    | 9.2    | 409.   | 49.3   | .253   | 3.9    |
| %RSD      | .20228 | .75939 | 1.0245 | .41913 | .08255 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4539.4 | 53456. | 4787.4 | 60.633 | 4759.7 |
| #2 | 4557.5 | 53917. | 4781.0 | 60.130 | 4766.5 |
| #3 | 4545.7 | 54272. | 4869.5 | 60.339 | 4766.4 |

Sample Name: K2852-01A      Acquired: 5/17/2019 12:57:11      Type: Unk  
Method: P4-ICP2(v3131)      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    | .79076 | 1.7272   | 2.4308 | 1.6221 | .63948 | 78.405 | .93552 | .17348 |
| Stddev | .00887 | .0138    | .0206  | .0219  | .00913 | .178   | .00298 | .00057 |
| %RSD   | 1.1211 | .79967   | .84811 | 1.3515 | 1.4272 | .22666 | .31841 | .32735 |
| #1     | .79822 | 1.7363   | 2.4493 | 1.6374 | .64658 | 78.294 | .93591 | .17353 |
| #2     | .79310 | 1.7340   | 2.4345 | 1.6320 | .64268 | 78.610 | .93829 | .17289 |
| #3     | .78096 | 1.7113   | 2.4086 | 1.5970 | .62918 | 78.311 | .93237 | .17402 |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17371 | 43.748   | .44132 | .23285 | 1.0305 | 118.79 | 1.9123 | 21.387 |
| Stddev | .00199 | .287     | .00104 | .00251 | .0120  | .43    | .0098  | .108   |
| %RSD   | 1.1464 | .65509   | .23596 | 1.0778 | 1.1630 | .36429 | .51504 | .50581 |
| #1     | .17482 | 43.508   | .44189 | .23370 | 1.0382 | 118.60 | 1.9216 | 21.325 |
| #2     | .17490 | 43.671   | .44195 | .23483 | 1.0366 | 119.28 | 1.9134 | 21.512 |
| #3     | .17141 | 44.065   | .44012 | .23003 | 1.0167 | 118.48 | 1.9020 | 21.323 |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .53059 | .06188   | 7.2773 | .47306 | 3.3843 | 18.733 | .33443 | .29645 |
| Stddev | .00616 | .00052   | .0300  | .00139 | .0415  | .145   | .00399 | .00756 |
| %RSD   | 1.1604 | .84374   | .41272 | .29482 | 1.2251 | .77530 | 1.1930 | 2.5503 |
| #1     | .53325 | .06142   | 7.2825 | .47398 | 3.4094 | 18.683 | .33689 | .28776 |
| #2     | .53497 | .06245   | 7.3045 | .47146 | 3.4071 | 18.896 | .33657 | .30157 |
| #3     | .52355 | .06178   | 7.2451 | .47375 | 3.3365 | 18.619 | .32982 | .30001 |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.0363 | F 67.099 | .72076 | 1.9687 | .26358 | 8.000  | .40582 | 2.0541 |
| Stddev | .0337  | .247     | .00792 | .0098  | .00177 | .084   | .00250 | .0619  |
| %RSD   | 1.1106 | .36861   | 1.0994 | .49517 | .67098 | 1.049  | .61569 | 3.0128 |
| #1     | 3.0600 | 67.173   | .72591 | 1.9800 | .26157 | 8.043  | .40419 | 2.0687 |
| #2     | 3.0512 | 66.823   | .72474 | 1.9632 | .26490 | 8.053  | .40458 | 1.9862 |
| #3     | 2.9977 | 67.301   | .71164 | 1.9630 | .26427 | 7.903  | .40870 | 2.1073 |

Sample Name: K2852-01A      Acquired: 5/17/2019 12:57:11      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 31.763 |
| Stddev | .074   |
| %RSD   | .23222 |

|    |        |
|----|--------|
| #1 | 31.726 |
| #2 | 31.715 |
| #3 | 31.848 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4726.1 | 55600. | 5008.0 | 58.170 | 4347.2 |
| Stddev    | 46.2   | 368.   | 20.5   | 1.385  | 44.9   |
| %RSD      | .97718 | .66202 | .40951 | 2.3817 | 1.0338 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4699.8 | 55239. | 4988.3 | 57.314 | 4323.4 |
| #2 | 4699.1 | 55587. | 5029.2 | 57.429 | 4319.1 |
| #3 | 4779.4 | 55975. | 5006.4 | 59.769 | 4399.0 |

Sample Name: CCV02      Acquired: 5/17/2019 13:05:39      Type: Unk  
Method: P4-ICP2(v3131)      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    | 4.9877 | 4.9633 | 4.9408 | 4.9765 | 4.9634 | 9.6074 | 9.8466 | .25049   |
| Stddev | .0072  | .0076  | .0045  | .0088  | .0139  | .0229  | .0253  | .00028   |
| %RSD   | .14465 | .15371 | .09063 | .17573 | .28085 | .23845 | .25655 | .11042   |
| #1     | 4.9829 | 4.9574 | 4.9455 | 4.9863 | 4.9741 | 9.6043 | 9.8192 | .25028   |
| #2     | 4.9960 | 4.9606 | 4.9404 | 4.9694 | 4.9684 | 9.6317 | 9.8689 | .25080   |
| #3     | 4.9842 | 4.9719 | 4.9365 | 4.9740 | 4.9476 | 9.5862 | 9.8518 | .25039   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4492 | 25.520 | 1.0031 | 2.4686 | 1.2551 | 5.0308 | 2.4649 | 24.640   |
| Stddev | .0033  | .082   | .0011  | .0024  | .0012  | .0107  | .0076  | .263     |
| %RSD   | .13612 | .32066 | .11322 | .09774 | .09842 | .21250 | .30773 | 1.0675   |
| #1     | 2.4502 | 25.439 | 1.0027 | 2.4705 | 1.2564 | 5.0244 | 2.4563 | 24.440   |
| #2     | 2.4455 | 25.520 | 1.0044 | 2.4659 | 1.2540 | 5.0248 | 2.4705 | 24.938   |
| #3     | 2.4520 | 25.602 | 1.0022 | 2.4695 | 1.2548 | 5.0431 | 2.4679 | 24.541   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4596 | 1.2543 | 24.598 | 2.5265 | 2.4713 | 24.158 | 5.0111 | 4.8112   |
| Stddev | .0024  | .0019  | .134   | .0009  | .0013  | .096   | .0073  | .0230    |
| %RSD   | .09883 | .15302 | .54318 | .03739 | .05054 | .39916 | .14513 | .47813   |
| #1     | 2.4611 | 1.2553 | 24.490 | 2.5255 | 2.4701 | 24.147 | 5.0102 | 4.8119   |
| #2     | 2.4568 | 1.2555 | 24.747 | 2.5270 | 2.4713 | 24.260 | 5.0188 | 4.8338   |
| #3     | 2.4610 | 1.2521 | 24.556 | 2.5272 | 2.4726 | 24.068 | 5.0043 | 4.7879   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8940 | 5.2916 | 4.9524 | 5.0737 | 4.9441 | 4.961  | 5.0488 | F 3.8790 |
| Stddev | .0161  | .0421  | .0013  | .0214  | .0401  | .006   | .0208  | .0967    |
| %RSD   | .32825 | .79500 | .02619 | .42208 | .81160 | .1189  | .41126 | 2.4922   |
| #1     | 4.8758 | 5.3168 | 4.9517 | 5.0493 | 4.9821 | 4.954  | 5.0574 | 3.9793   |
| #2     | 4.9064 | 5.2430 | 4.9539 | 5.0824 | 4.9021 | 4.964  | 5.0251 | 3.7865   |
| #3     | 4.8996 | 5.3150 | 4.9517 | 5.0893 | 4.9480 | 4.964  | 5.0639 | 3.8712   |

Sample Name: CCV02      Acquired: 5/17/2019 13:05:39      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.4963 |
| Stddev | .1032    |
| %RSD   | 4.1343   |

|    |        |
|----|--------|
| #1 | 2.5700 |
| #2 | 2.3783 |
| #3 | 2.5405 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4350.4 | 51267. | 4590.0 | 56.978 | 4234.8 |
| Stddev    | 9.5    | 67.    | 39.1   | 1.051  | 6.1    |
| %RSD      | .21864 | .13166 | .85128 | 1.8448 | .14493 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4341.7 | 51235. | 4565.8 | 57.952 | 4227.9 |
| #2 | 4348.9 | 51221. | 4635.1 | 57.118 | 4239.6 |
| #3 | 4360.5 | 51344. | 4569.2 | 55.864 | 4236.9 |

Sample Name: CCB02      Acquired: 5/17/2019 13:09:39      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00282  | .00079  | .00088  | .00176  | .00192  | -.01486 | .00089  | .00002   |
| Stddev | .00178  | .00036  | .00096  | .00340  | .00106  | .00672  | .00037  | .00004   |
| %RSD   | 62.968  | 45.633  | 108.97  | 193.15  | 55.442  | 45.238  | 41.811  | 195.90   |
| #1     | .00295  | .00107  | .00025  | .00555  | .00108  | -.02187 | .00102  | -.00003  |
| #2     | .00098  | .00038  | .00040  | -.00100 | .00311  | -.00847 | .00118  | .00006   |
| #3     | .00453  | .00091  | .00198  | .00073  | .00155  | -.01425 | .00047  | .00004   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00001  | .01345  | .00015  | -.00003 | -.00091 | -.00018 | -.00023 | -.04691  |
| Stddev | .00004  | .00439  | .00016  | .00018  | .00032  | .00015  | .00007  | .04652   |
| %RSD   | 260.52  | 32.669  | 108.02  | 615.20  | 35.231  | 83.227  | 29.541  | 99.160   |
| #1     | .00004  | .01551  | .00028  | .00018  | -.00103 | -.00025 | -.00020 | -.09818  |
| #2     | .00003  | .00840  | .00019  | -.00009 | -.00055 | -.00029 | -.00031 | -.00740  |
| #3     | -.00003 | .01644  | -.00003 | -.00017 | -.00115 | -.00001 | -.00018 | -.03516  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00027 | -.00019 | -.02582 | .00056  | -.00094 | -.01581 | .00030  | .00222   |
| Stddev | .00025  | .00037  | .01134  | .00039  | .00009  | .01879  | .00008  | .00852   |
| %RSD   | 94.480  | 192.68  | 43.938  | 70.222  | 9.9628  | 118.85  | 27.030  | 383.67   |
| #1     | -.00035 | -.00012 | -.01795 | .00050  | -.00084 | -.03636 | .00030  | -.00556  |
| #2     | -.00047 | .00014  | -.03882 | .00020  | -.00098 | -.01154 | .00038  | .00090   |
| #3     | .00002  | -.00060 | -.02068 | .00098  | -.00102 | .00048  | .00022  | .01132   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00056  | .00688  | -.00092 | .00135  | .00030  | -.0014  | -.00000 | F 3.0452 |
| Stddev | .00178  | .00102  | .00053  | .00222  | .00017  | .0002   | .00008  | .1923    |
| %RSD   | 317.79  | 14.757  | 58.009  | 164.60  | 56.972  | 16.82   | 7487.2  | 6.3166   |
| #1     | .00010  | .00579  | -.00066 | -.00049 | .00011  | -.0011  | .00006  | 3.0368   |
| #2     | -.00095 | .00706  | -.00056 | .00381  | .00032  | -.0014  | .00003  | 2.8573   |
| #3     | .00252  | .00780  | -.00153 | .00072  | .00045  | -.0016  | -.00009 | 3.2417   |

Sample Name: CCB02      Acquired: 5/17/2019 13:09:39      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .64566  
Stddev      .33162  
%RSD      51.361

#1      .26582  
#2      .79356  
#3      .87759

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4516.8 | 53813. | 4554.7 | 57.794 | 4809.5 |
| Stddev    | 6.5    | 82.    | 105.6  | 1.683  | 1.6    |
| %RSD      | .14444 | .15211 | 2.3185 | 2.9126 | .03340 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4512.5 | 53734. | 4624.9 | 56.108 | 4809.2 |
| #2 | 4513.6 | 53898. | 4433.3 | 57.800 | 4811.2 |
| #3 | 4524.3 | 53808. | 4606.0 | 59.475 | 4808.1 |

Sample Name: K2877-01      Acquired: 5/17/2019 13:14:07      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 390502706      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |        |         |         |        |        |
|--------|----------|---------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00794   | -.00076 | .07616 | .01360 | -.00062 | 8.1712  | .62025 | .00271 |
| Stddev | .00113   | .00040  | .00111 | .00210 | .00067  | .0542   | .00279 | .00009 |
| %RSD   | 14.252   | 52.776  | 1.4631 | 15.423 | 108.90  | .66283  | .45033 | 3.3524 |
| #1     | .00918   | -.00114 | .07657 | .01449 | -.00101 | 8.1444  | .61723 | .00266 |
| #2     | .00766   | -.00080 | .07490 | .01510 | -.00100 | 8.2335  | .62274 | .00282 |
| #3     | .00697   | -.00034 | .07701 | .01120 | .00016  | 8.1356  | .62078 | .00266 |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00105   | 48.809  | .03045 | .00326 | 1.0929  | 27.424  | .68330 | 16.915 |
| Stddev | .00003   | .171    | .00033 | .00015 | .0039   | .024    | .00350 | .087   |
| %RSD   | 2.6264   | .34994  | 1.0889 | 4.6203 | .36012  | .08648  | .51290 | .51159 |
| #1     | .00106   | 48.664  | .03080 | .00333 | 1.0932  | 27.401  | .68553 | 16.818 |
| #2     | .00108   | 48.767  | .03014 | .00335 | 1.0887  | 27.421  | .67926 | 16.941 |
| #3     | .00102   | 48.997  | .03040 | .00308 | 1.0966  | 27.449  | .68510 | 16.985 |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01680   | .00453  | 2.4041 | .01769 | 2.8113  | 1.7958  | .00586 | .02989 |
| Stddev | .00021   | .00027  | .0120  | .00009 | .0017   | .0343   | .00028 | .00813 |
| %RSD   | 1.2631   | 5.8637  | .49846 | .52968 | .05880  | 1.9078  | 4.8436 | 27.190 |
| #1     | .01677   | .00427  | 2.3943 | .01772 | 2.8126  | 1.8352  | .00567 | .03811 |
| #2     | .01660   | .00451  | 2.4175 | .01759 | 2.8120  | 1.7735  | .00572 | .02185 |
| #3     | .01702   | .00480  | 2.4006 | .01777 | 2.8095  | 1.7786  | .00619 | .02972 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361 | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 18.708 | 1.2282  | .03663 | .17310 | .00082  | F 20.73 | .16872 | 2.9738 |
| Stddev | .040     | .0048   | .00057 | .00407 | .00093  | .02     | .00123 | .1385  |
| %RSD   | .21605   | .39140  | 1.5545 | 2.3511 | 113.70  | .0921   | .72894 | 4.6573 |
| #1     | 18.662   | 1.2227  | .03597 | .17239 | .00189  | 20.73   | .16739 | 2.9198 |
| #2     | 18.734   | 1.2306  | .03697 | .16942 | .00014  | 20.72   | .16981 | 3.1312 |
| #3     | 18.730   | 1.2314  | .03694 | .17747 | .00043  | 20.75   | .16896 | 2.8705 |

Sample Name: K2877-01      Acquired: 5/17/2019 13:14:07      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 390502706      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 8.1087 |
| Stddev | .3480  |
| %RSD   | 4.2915 |

|    |        |
|----|--------|
| #1 | 8.0184 |
| #2 | 8.4929 |
| #3 | 7.8147 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4511.0 | 54044. | 4816.1 | 60.015 | 4580.1 |
| Stddev    | 5.0    | 144.   | 22.5   | 1.583  | 6.6    |
| %RSD      | .11009 | .26616 | .46761 | 2.6370 | .14417 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4505.4 | 53883. | 4790.6 | 59.823 | 4574.0 |
| #2 | 4512.9 | 54091. | 4833.4 | 61.685 | 4579.2 |
| #3 | 4514.8 | 54159. | 4824.3 | 58.538 | 4587.1 |

Sample Name: PB119808BL      Acquired: 5/17/2019 13:31:50      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB119808BL      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00230  | .00087  | .00113  | .00374  | -.00037 | -.01758 | .00131  | .00005   |
| Stddev | .00184  | .00022  | .00069  | .00116  | .00217  | .00886  | .00042  | .00007   |
| %RSD   | 80.090  | 25.624  | 60.878  | 31.037  | 589.88  | 50.381  | 32.305  | 139.71   |
| #1     | .00252  | .00062  | .00153  | .00506  | -.00064 | -.02163 | .00163  | .00009   |
| #2     | .00403  | .00094  | .00154  | .00286  | .00192  | -.00742 | .00083  | -.00003  |
| #3     | .00036  | .00105  | .00034  | .00331  | -.00239 | -.02369 | .00146  | .00010   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004  | .00643  | .00007  | -.00019 | -.00094 | .00404  | -.00011 | -.02141  |
| Stddev | .00002  | .00949  | .00020  | .00004  | .00002  | .00074  | .00002  | .03691   |
| %RSD   | 44.350  | 147.59  | 278.73  | 23.366  | 2.6139  | 18.296  | 14.418  | 172.37   |
| #1     | .00006  | .01333  | -.00011 | -.00022 | -.00092 | .00485  | -.00010 | -.06363  |
| #2     | .00004  | -.00439 | .00004  | -.00014 | -.00093 | .00388  | -.00011 | .00469   |
| #3     | .00003  | .01036  | .00028  | -.00021 | -.00097 | .00340  | -.00013 | -.00529  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00003  | .00018  | -.02765 | .00067  | .00055  | .00188  | .00006  | .00115   |
| Stddev | .00031  | .00014  | .00468  | .00050  | .00024  | .02463  | .00023  | .01135   |
| %RSD   | 904.79  | 79.901  | 16.935  | 74.675  | 44.072  | 1308.7  | 379.35  | 989.10   |
| #1     | .00039  | .00033  | -.02345 | .00104  | .00075  | -.00380 | -.00009 | -.00767  |
| #2     | -.00020 | .00018  | -.02679 | .00087  | .00062  | .02886  | -.00005 | -.00285  |
| #3     | -.00009 | .00004  | -.03270 | .00010  | .00028  | -.01941 | .00033  | .01396   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00178 | .00583  | -.00269 | .00160  | .00021  | -.0013  | -.00009 | F 2.6245 |
| Stddev | .00267  | .00283  | .00075  | .00130  | .00183  | .0009   | .00008  | .1653    |
| %RSD   | 150.44  | 48.500  | 27.825  | 81.474  | 887.15  | 70.78   | 83.010  | 6.2990   |
| #1     | -.00460 | .00768  | -.00326 | .00120  | -.00035 | -.0003  | -.00017 | 2.8123   |
| #2     | .00072  | .00725  | -.00296 | .00054  | -.00128 | -.0016  | -.00002 | 2.5602   |
| #3     | -.00145 | .00258  | -.00184 | .00305  | .00225  | -.0020  | -.00008 | 2.5010   |

Sample Name: PB119808BL      Acquired: 5/17/2019 13:31:50      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB119808BL      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .54329 |
| Stddev | .43160   |
| %RSD   | 79.441   |

|    |        |
|----|--------|
| #1 | .08496 |
| #2 | .60298 |
| #3 | .94194 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4563.7 | 54321. | 4618.2 | 59.086 | 4866.0 |
| Stddev    | 10.6   | 374.   | 32.3   | .165   | 4.6    |
| %RSD      | .23243 | .68932 | .69887 | .27864 | .09375 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4554.2 | 54023. | 4581.0 | 59.233 | 4860.9 |
| #2 | 4561.8 | 54741. | 4638.3 | 58.908 | 4867.6 |
| #3 | 4575.1 | 54198. | 4635.4 | 59.117 | 4869.6 |

Sample Name: PB119808BS      Acquired: 5/17/2019 13:36:18      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB119808BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .74523 | 1.9053 | .93461 | 1.9167 | .76347 | 1.8106 | .19362 |
| Stddev | .00404 | .0049  | .00332 | .0053  | .00080 | .0213  | .00144 |
| %RSD   | .54251 | .25904 | .35564 | .27737 | .10530 | 1.1735 | .74406 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74062 | 1.8998 | .93581 | 1.9143 | .76319 | 1.7860 | .19197 |
| #2 | .74817 | 1.9068 | .93085 | 1.9228 | .76284 | 1.8223 | .19464 |
| #3 | .74691 | 1.9093 | .93716 | 1.9131 | .76438 | 1.8233 | .19424 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18997 | .18310 | 1.0307 | .39645 | .18837 | .30679 | 3.0195 |
| Stddev | .00052 | .00069 | .0190  | .00080 | .00039 | .00054 | .0058  |
| %RSD   | .27595 | .37766 | 1.8419 | .20242 | .20818 | .17749 | .19084 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18977 | .18291 | 1.0088 | .39724 | .18798 | .30623 | 3.0148 |
| #2 | .19056 | .18387 | 1.0427 | .39647 | .18838 | .30683 | 3.0178 |
| #3 | .18957 | .18253 | 1.0405 | .39564 | .18876 | .30732 | 3.0259 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19785 | 1.8816 | .47214 | .07123 | 2.9061 | .29555 | .18410 |
| Stddev | .00020 | .0665  | .00077 | .00033 | .0284  | .00070 | .00009 |
| %RSD   | .10167 | 3.5337 | .16250 | .46986 | .97866 | .23575 | .04850 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19801 | 1.8396 | .47156 | .07128 | 2.8736 | .29507 | .18410 |
| #2 | .19792 | 1.9582 | .47185 | .07087 | 2.9180 | .29524 | .18418 |
| #3 | .19762 | 1.8469 | .47301 | .07154 | 2.9266 | .29635 | .18400 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 9.4203 | .39328 | .27783 | F -.00239 | .89079 | .65214 | .19839 |
| Stddev | .0620  | .00089 | .00380 | .00036    | .01785 | .00291 | .00141 |
| %RSD   | .65837 | .22752 | 1.3674 | 15.037    | 2.0042 | .44646 | .70858 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.3532 | .39232 | .27587 | -.00225 | .91024 | .64899 | .19681 |
| #2 | 9.4756 | .39410 | .27540 | -.00212 | .87514 | .65271 | .19952 |
| #3 | 9.4320 | .39342 | .28220 | -.00279 | .88699 | .65473 | .19883 |

Sample Name: PB119808BS      Acquired: 5/17/2019 13:36:18      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB119808BS      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .19934 | 5.248  | .19244 | F 2.8573 | F .00906 |
| Stddev    | .00270 | .006   | .00117 | .1530    | .12923   |
| %RSD      | 1.3521 | .1169  | .60709 | 5.3557   | 1426.5   |
| #1        | .19714 | 5.243  | .19355 | 2.7949   | -.06728  |
| #2        | .19854 | 5.255  | .19255 | 3.0317   | -.06381  |
| #3        | .20235 | 5.246  | .19122 | 2.7453   | .15826   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 4525.7 | 53854. | 4711.0 | 61.761   | 4723.7   |
| Stddev    | 9.3    | 55.    | 46.0   | .392     | 11.5     |
| %RSD      | .20531 | .10287 | .97647 | .63429   | .24276   |
| #1        | 4520.2 | 53867. | 4658.8 | 62.183   | 4718.5   |
| #2        | 4520.6 | 53793. | 4745.4 | 61.692   | 4715.8   |
| #3        | 4536.5 | 53901. | 4728.8 | 61.409   | 4736.8   |

Sample Name: PB119809BL      Acquired: 5/17/2019 13:40:24      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00205  | -.00009 | .00126  | .00198  | .00027  | -.02518 | .00034  | .00001   |
| Stddev | .00061  | .00042  | .00080  | .00145  | .00118  | .00434  | .00008  | .00005   |
| %RSD   | 29.986  | 487.66  | 63.295  | 73.448  | 440.84  | 17.238  | 23.410  | 402.64   |
| #1     | .00199  | -.00045 | .00053  | .00298  | -.00041 | -.02017 | .00025  | .00006   |
| #2     | .00269  | .00037  | .00212  | .00265  | .00163  | -.02769 | .00038  | -.00004  |
| #3     | .00147  | -.00018 | .00114  | .00031  | -.00041 | -.02769 | .00038  | .00003   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00001 | .01041  | .00022  | -.00013 | -.00114 | -.00003 | -.00026 | -.02047  |
| Stddev | .00004  | .00489  | .00007  | .00011  | .00009  | .00031  | .00006  | .03480   |
| %RSD   | 427.16  | 46.985  | 30.433  | 89.486  | 7.5081  | 998.16  | 21.486  | 170.01   |
| #1     | .00004  | .01334  | .00021  | -.00011 | -.00121 | .00028  | -.00032 | .01862   |
| #2     | -.00004 | .00476  | .00016  | -.00025 | -.00118 | -.00033 | -.00025 | -.03194  |
| #3     | -.00003 | .01312  | .00029  | -.00002 | -.00105 | -.00004 | -.00021 | -.04808  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00001 | -.00013 | -.02532 | .00063  | -.00085 | -.00974 | -.00035 | -.01470  |
| Stddev | .00031  | .00018  | .00786  | .00020  | .00005  | .02154  | .00004  | .01271   |
| %RSD   | 2628.7  | 139.74  | 31.023  | 31.778  | 6.3527  | 221.06  | 12.442  | 86.503   |
| #1     | -.00037 | -.00012 | -.01961 | .00049  | -.00088 | -.02532 | -.00034 | -.01500  |
| #2     | .00014  | .00005  | -.03428 | .00054  | -.00079 | .01484  | -.00031 | -.00183  |
| #3     | .00019  | -.00032 | -.02208 | .00086  | -.00088 | -.01875 | -.00039 | -.02725  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00053 | -.00008 | -.00287 | -.00108 | -.00118 | -.0018  | -.00023 | F 2.4731 |
| Stddev | .00308  | .00261  | .00024  | .00114  | .00086  | .0004   | .00004  | .1703    |
| %RSD   | 586.63  | 3344.7  | 8.5190  | 105.54  | 72.818  | 22.20   | 19.625  | 6.8845   |
| #1     | -.00406 | .00016  | -.00279 | -.00141 | -.00217 | -.0014  | -.00021 | 2.3348   |
| #2     | .00088  | -.00280 | -.00268 | .00019  | -.00067 | -.0023  | -.00028 | 2.4212   |
| #3     | .00160  | .00241  | -.00314 | -.00201 | -.00069 | -.0018  | -.00020 | 2.6633   |

Sample Name: PB119809BL      Acquired: 5/17/2019 13:40:24      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .56972  
Stddev      .30794  
%RSD      54.051

#1      .70117  
#2      .21788  
#3      .79013

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4543.0 | 53983. | 4682.4 | 60.694 | 4836.0 |
| Stddev    | 4.7    | 23.    | 26.8   | 1.365  | 1.2    |
| %RSD      | .10345 | .04300 | .57176 | 2.2488 | .02479 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4538.1 | 53977. | 4651.6 | 60.892 | 4835.2 |
| #2 | 4543.4 | 53964. | 4699.7 | 61.950 | 4837.4 |
| #3 | 4547.5 | 54009. | 4696.1 | 59.242 | 4835.5 |

Sample Name: PB119809BS      Acquired: 5/17/2019 13:44:51      Type: Unk  
Method: P4-ICP2(v3131)      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    | .74364 | 1.8823 | .92918 | 1.8665 | .75252 | 1.8362 | .19698 |
| Stddev | .00094 | .0081  | .00366 | .0068  | .00263 | .0125  | .00149 |
| %RSD   | .12626 | .43265 | .39387 | .36411 | .34974 | .68214 | .75820 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74449 | 1.8895 | .93137 | 1.8743 | .75445 | 1.8507 | .19819 |
| #2 | .74380 | 1.8840 | .93120 | 1.8628 | .75358 | 1.8288 | .19744 |
| #3 | .74263 | 1.8734 | .92495 | 1.8623 | .74952 | 1.8291 | .19531 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18367 | .18115 | 1.0614 | .40422 | .18990 | .30659 | 3.0446 |
| Stddev | .00002 | .00094 | .0083  | .00077 | .00077 | .00085 | .0098  |
| %RSD   | .01121 | .51777 | .78374 | .19092 | .40354 | .27879 | .32266 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18365 | .18195 | 1.0710 | .40477 | .19047 | .30752 | 3.0556 |
| #2 | .18366 | .18139 | 1.0578 | .40334 | .19019 | .30641 | 3.0413 |
| #3 | .18369 | .18012 | 1.0556 | .40456 | .18903 | .30584 | 3.0368 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20169 | 1.9599 | .47501 | .07046 | 2.9363 | .30361 | .18045 |
| Stddev | .00059 | .0292  | .00155 | .00033 | .0305  | .00018 | .00089 |
| %RSD   | .29016 | 1.4886 | .32615 | .47376 | 1.0371 | .05968 | .49113 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20101 | 1.9479 | .47603 | .07074 | 2.9595 | .30364 | .18102 |
| #2 | .20202 | 1.9932 | .47576 | .07055 | 2.9476 | .30342 | .18091 |
| #3 | .20203 | 1.9388 | .47322 | .07009 | 2.9018 | .30378 | .17943 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 9.6411 | .39980 | .28350 | F -.00181 | .89414 | .63880 | .19950 |
| Stddev | .0474  | .00098 | .01830 | .00071    | .01736 | .00104 | .00074 |
| %RSD   | .49141 | .24409 | 6.4553 | 39.220    | 1.9415 | .16311 | .36852 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.6807 | .40092 | .27968 | -.00100 | .88512 | .63937 | .19892 |
| #2 | 9.6541 | .39916 | .26741 | -.00210 | .88316 | .63943 | .19926 |
| #3 | 9.5886 | .39931 | .30341 | -.00232 | .91416 | .63759 | .20033 |

Sample Name: PB119809BS      Acquired: 5/17/2019 13:44:51      Type: Unk  
 Method: P4-ICP2(v3131)      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       | .20344 | 5.165  | .19564 | F 2.3336 | F<.00000 |
| Stddev    | .00157 | .017   | .00181 | .2192    | .32955   |
| %RSD      | .77028 | .3346  | .92379 | 9.3936   | 99.381   |
| #1        | .20464 | 5.170  | .19644 | 2.5849   | -.52088  |
| #2        | .20167 | 5.179  | .19357 | 2.1819   | .04893   |
| #3        | .20401 | 5.146  | .19691 | 2.2339   | -.52284  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 4535.6 | 54361. | 4743.9 | 60.469   | 4765.0   |
| Stddev    | 14.0   | 191.   | 40.4   | .330     | 10.1     |
| %RSD      | .30862 | .35153 | .85063 | .54529   | .21188   |
| #1        | 4520.4 | 54144. | 4744.0 | 60.436   | 4753.5   |
| #2        | 4548.0 | 54434. | 4784.3 | 60.814   | 4768.8   |
| #3        | 4538.3 | 54505. | 4703.6 | 60.157   | 4772.6   |

Sample Name: PB119828BL      Acquired: 5/17/2019 13:48:58      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00045  | .00024  | .00094  | .00078  | .00050  | -.02385 | .00047  | .00002   |
| Stddev | .00149  | .00130  | .00062  | .00322  | .00125  | .00821  | .00061  | .00005   |
| %RSD   | 330.59  | 542.80  | 65.892  | 414.43  | 250.61  | 34.408  | 129.80  | 188.04   |
| #1     | .00195  | .00173  | .00120  | -.00274 | .00173  | -.02781 | .00114  | -.00003  |
| #2     | -.00104 | -.00067 | .00138  | .00149  | -.00076 | -.01441 | .00032  | .00004   |
| #3     | .00044  | -.00034 | .00023  | .00358  | .00052  | -.02932 | -.00005 | .00006   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00001 | .01230  | .00004  | .00003  | -.00099 | -.00041 | -.00024 | -.05782  |
| Stddev | .00005  | .01600  | .00014  | .00010  | .00020  | .00032  | .00005  | .01153   |
| %RSD   | 805.89  | 130.12  | 396.91  | 299.99  | 20.548  | 78.540  | 21.771  | 19.949   |
| #1     | .00005  | .00155  | .00006  | .00014  | -.00078 | -.00073 | -.00028 | -.06330  |
| #2     | -.00005 | .00465  | .00017  | -.00005 | -.00100 | -.00009 | -.00026 | -.04456  |
| #3     | -.00002 | .03068  | -.00012 | .00000  | -.00119 | -.00041 | -.00018 | -.06558  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00009  | -.00028 | -.03012 | .00041  | -.00090 | -.01502 | -.00036 | -.01885  |
| Stddev | .00017  | .00018  | .00369  | .00031  | .00003  | .01681  | .00011  | .01616   |
| %RSD   | 188.36  | 65.343  | 12.266  | 75.937  | 3.0703  | 111.89  | 30.204  | 85.697   |
| #1     | -.00002 | -.00009 | -.03263 | .00076  | -.00088 | -.02384 | -.00045 | -.03624  |
| #2     | .00028  | -.00045 | -.02588 | .00017  | -.00093 | -.02558 | -.00040 | -.01602  |
| #3     | .00001  | -.00031 | -.03185 | .00031  | -.00090 | .00436  | -.00024 | -.00430  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00301 | -.00174 | -.00243 | -.00140 | -.00255 | -.0010  | -.00022 | F 1.9530 |
| Stddev | .00202  | .00152  | .00066  | .00177  | .00255  | .0016   | .00005  | .1426    |
| %RSD   | 67.071  | 87.166  | 27.197  | 127.04  | 100.10  | 158.9   | 23.312  | 7.3029   |
| #1     | -.00078 | -.00007 | -.00193 | -.00051 | -.00187 | -.0003  | -.00018 | 1.8131   |
| #2     | -.00355 | -.00212 | -.00318 | -.00344 | -.00537 | -.0028  | -.00028 | 2.0982   |
| #3     | -.00471 | -.00304 | -.00217 | -.00024 | -.00041 | .0001   | -.00021 | 1.9475   |

Sample Name: PB119828BL      Acquired: 5/17/2019 13:48:58      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .63346  
Stddev      .30018  
%RSD      47.388

#1      .33128  
#2      .93160  
#3      .63750

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4554.1 | 54004. | 4695.6 | 59.764 | 4848.7 |
| Stddev    | 10.8   | 193.   | 9.7    | 1.708  | 8.6    |
| %RSD      | .23779 | .35692 | .20750 | 2.8575 | .17738 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4541.9 | 53791. | 4686.5 | 61.300 | 4838.9 |
| #2 | 4557.8 | 54166. | 4694.4 | 60.067 | 4852.4 |
| #3 | 4562.6 | 54054. | 4705.8 | 57.925 | 4854.9 |

Sample Name: PB119828BS      Acquired: 5/17/2019 13:53:25      Type: Unk  
Method: P4-ICP2(v3131)      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    | .72146 | 1.8316 | .90220 | 1.8223 | .74341 | 1.7907 | .19155 |
| Stddev | .00433 | .0034  | .00040 | .0086  | .00367 | .0147  | .00068 |
| %RSD   | .59979 | .18322 | .04410 | .47178 | .49330 | .81988 | .35485 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72405 | 1.8305 | .90250 | 1.8318 | .74727 | 1.7816 | .19077 |
| #2 | .72387 | 1.8354 | .90234 | 1.8198 | .74297 | 1.7827 | .19189 |
| #3 | .71647 | 1.8290 | .90175 | 1.8152 | .73998 | 1.8076 | .19199 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17864 | .17626 | 1.0294 | .39510 | .18433 | .29864 | 2.9536 |
| Stddev | .00064 | .00055 | .0192  | .00025 | .00021 | .00069 | .0082  |
| %RSD   | .35941 | .31359 | 1.8640 | .06369 | .11643 | .23058 | .27655 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17879 | .17577 | 1.0217 | .39481 | .18426 | .29943 | 2.9582 |
| #2 | .17794 | .17616 | 1.0512 | .39526 | .18458 | .29814 | 2.9442 |
| #3 | .17920 | .17686 | 1.0152 | .39522 | .18417 | .29836 | 2.9584 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19712 | 1.8321 | .46126 | .06875 | 2.8483 | .29504 | .17478 |
| Stddev | .00055 | .0576  | .00086 | .00021 | .0208  | .00054 | .00013 |
| %RSD   | .27979 | 3.1446 | .18646 | .29966 | .72840 | .18280 | .07251 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19731 | 1.7656 | .46057 | .06872 | 2.8250 | .29447 | .17464 |
| #2 | .19649 | 1.8680 | .46099 | .06857 | 2.8649 | .29512 | .17484 |
| #3 | .19754 | 1.8626 | .46222 | .06897 | 2.8550 | .29554 | .17487 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 9.4536 | .39380 | .26906 | F -.00522 | .85898 | .62695 | .19806 |
| Stddev | .0788  | .00196 | .01520 | .00257    | .00293 | .00096 | .00190 |
| %RSD   | .83345 | .49846 | 5.6499 | 49.162    | .34098 | .15318 | .95980 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.3741 | .39588 | .25953 | -.00299 | .86072 | .62586 | .19680 |
| #2 | 9.5317 | .39354 | .28660 | -.00803 | .85559 | .62767 | .19712 |
| #3 | 9.4550 | .39198 | .26107 | -.00466 | .86061 | .62731 | .20025 |

Sample Name: PB119828BS      Acquired: 5/17/2019 13:53:25      Type: Unk  
Method: P4-ICP2(v3131)      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       | .19929 | 5.029  | .19290 | F 2.0612 | F<.00000 |
| Stddev    | .00222 | .011   | .00044 | .1100    | .09191   |
| %RSD      | 1.1119 | .2171  | .22927 | 5.3383   | 62.259   |
| #1        | .20177 | 5.036  | .19290 | 1.9344   | -.25285  |
| #2        | .19751 | 5.034  | .19335 | 2.1312   | -.08302  |
| #3        | .19859 | 5.016  | .19246 | 2.1181   | -.10701  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 4528.1 | 54434. | 4748.0 | 61.809   | 4765.6   |
| Stddev    | 21.3   | 191.   | 38.3   | .756     | 8.8      |
| %RSD      | .47143 | .35061 | .80683 | 1.2232   | .18503   |
| #1        | 4505.7 | 54329. | 4727.7 | 60.992   | 4755.5   |
| #2        | 4530.3 | 54654. | 4792.2 | 62.483   | 4769.3   |
| #3        | 4548.2 | 54318. | 4724.1 | 61.952   | 4771.9   |

Sample Name: PB119828TB      Acquired: 5/17/2019 13:57:32      Type: Unk  
Method: P4-ICP2(v3131)      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    | -.00013 | -.00392 | .00011   | .00348  | .00160  | -.01353 | .00065  | -.00001 |
| Stddev | .00238  | .00181  | .00065   | .00154  | .00054  | .00465  | .00048  | .00005  |
| %RSD   | 1790.7  | 46.069  | 584.40   | 44.191  | 33.939  | 34.375  | 73.192  | 496.05  |
| #1     | -.00288 | -.00476 | -.00061  | .00283  | .00217  | -.01521 | .00120  | .00002  |
| #2     | .00140  | -.00516 | .00066   | .00237  | .00154  | -.01711 | .00036  | -.00007 |
| #3     | .00108  | -.00185 | .00028   | .00523  | .00109  | -.00827 | .00039  | .00002  |
| Elem   | Cd2265  | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00015 | .02201  | .00084   | -.00026 | -.00069 | .00259  | -.00035 | .00542  |
| Stddev | .00008  | .00484  | .00019   | .00025  | .00011  | .00086  | .00004  | .02994  |
| %RSD   | 51.491  | 21.992  | 22.941   | 99.011  | 15.389  | 33.311  | 11.339  | 552.61  |
| #1     | -.00018 | .02678  | .00062   | -.00025 | -.00073 | .00265  | -.00034 | -.02614 |
| #2     | -.00006 | .02216  | .00095   | -.00001 | -.00077 | .00341  | -.00039 | .00898  |
| #3     | -.00021 | .01710  | .00095   | -.00051 | -.00057 | .00169  | -.00032 | .03341  |
| Elem   | Ni2316  | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00188  | .00138  | F 324.16 | .00053  | .00201  | -.03482 | -.00009 | -.00586 |
| Stddev | .00037  | .00033  | 2.26     | .00065  | .00010  | .01059  | .00014  | .01153  |
| %RSD   | 19.588  | 23.658  | .69864   | 122.77  | 5.1233  | 30.415  | 152.95  | 196.76  |
| #1     | .00207  | .00108  | 326.29   | .00035  | .00206  | -.04214 | -.00004 | -.00057 |
| #2     | .00212  | .00172  | 324.41   | .00126  | .00189  | -.02268 | .00002  | -.01909 |
| #3     | .00146  | .00132  | 321.78   | -.00001 | .00208  | -.03965 | -.00025 | .00208  |
| Elem   | S_1820  | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00170  | .00599  | -.00149  | .00192  | .00030  | -.0002  | -.00016 | 3.1802  |
| Stddev | .00237  | .00080  | .00038   | .00128  | .00164  | .0011   | .00006  | .1670   |
| %RSD   | 139.26  | 13.285  | 25.718   | 66.968  | 551.63  | 662.9   | 37.227  | 5.2500  |
| #1     | .00046  | .00517  | -.00133  | .00087  | -.00109 | .0003   | -.00023 | 3.1718  |
| #2     | .00022  | .00604  | -.00120  | .00154  | -.00012 | .0006   | -.00010 | 3.3512  |
| #3     | .00444  | .00676  | -.00192  | .00335  | .00210  | -.0015  | -.00016 | 3.0176  |

Sample Name: PB119828TB      Acquired: 5/17/2019 13:57:32      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .61459 |
| Stddev | .21338 |
| %RSD   | 34.719 |

|    |        |
|----|--------|
| #1 | .81772 |
| #2 | .63378 |
| #3 | .39225 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4329.0 | 50590. | 4712.2 | 60.831 | 4280.9 |
| Stddev    | 13.2   | 196.   | 46.0   | 1.199  | 2.4    |
| %RSD      | .30492 | .38705 | .97692 | 1.9709 | .05670 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4318.5 | 50404. | 4734.7 | 62.208 | 4279.8 |
| #2 | 4324.8 | 50574. | 4659.2 | 60.025 | 4283.7 |
| #3 | 4343.8 | 50794. | 4742.7 | 60.258 | 4279.3 |

Sample Name: CCV03      Acquired: 5/17/2019 14:02:09      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14969      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0806 | 5.0191 | 4.9780 | 5.0570 | 5.0662 | 9.8398 | 9.9795 | .25186   |
| Stddev | .0040  | .0065  | .0099  | .0050  | .0062  | .0676  | .1406  | .00045   |
| %RSD   | .07922 | .13029 | .19902 | .09819 | .12161 | .68746 | 1.4086 | .17683   |
| #1     | 5.0789 | 5.0177 | 4.9895 | 5.0529 | 5.0616 | 9.7811 | 9.9337 | .25204   |
| #2     | 5.0778 | 5.0134 | 4.9721 | 5.0625 | 5.0638 | 9.9138 | 10.137 | .25219   |
| #3     | 5.0852 | 5.0263 | 4.9725 | 5.0555 | 5.0732 | 9.8245 | 9.8675 | .25136   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4729 | 25.653 | 1.0082 | 2.4830 | 1.2708 | 5.0593 | 2.5028 | 24.837   |
| Stddev | .0026  | .105   | .0035  | .0017  | .0012  | .0096  | .0115  | .182     |
| %RSD   | .10319 | .41009 | .34520 | .06703 | .09064 | .18941 | .45901 | .73183   |
| #1     | 2.4758 | 25.553 | 1.0109 | 2.4831 | 1.2706 | 5.0599 | 2.5062 | 24.683   |
| #2     | 2.4721 | 25.642 | 1.0095 | 2.4813 | 1.2720 | 5.0686 | 2.5122 | 25.037   |
| #3     | 2.4709 | 25.763 | 1.0043 | 2.4846 | 1.2697 | 5.0495 | 2.4900 | 24.790   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4860 | 1.2669 | 24.889 | 2.5405 | 2.4973 | 24.773 | 5.0956 | 4.9160   |
| Stddev | .0015  | .0019  | .151   | .0026  | .0013  | .143   | .0053  | .0115    |
| %RSD   | .06166 | .14744 | .60654 | .10182 | .05035 | .57671 | .10455 | .23428   |
| #1     | 2.4878 | 1.2690 | 24.731 | 2.5425 | 2.4984 | 24.680 | 5.0961 | 4.9222   |
| #2     | 2.4849 | 1.2665 | 25.031 | 2.5413 | 2.4959 | 24.938 | 5.1007 | 4.9027   |
| #3     | 2.4854 | 1.2653 | 24.904 | 2.5376 | 2.4977 | 24.701 | 5.0901 | 4.9230   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9616 | 5.1480 | 5.0082 | 5.1008 | 5.0381 | 5.045  | 5.1176 | F 3.2988 |
| Stddev | .0249  | .0134  | .0080  | .0213  | .0103  | .011   | .0158  | .1285    |
| %RSD   | .50246 | .25997 | .16077 | .41732 | .20354 | .2077  | .30917 | 3.8952   |
| #1     | 4.9413 | 5.1583 | 5.0017 | 5.0776 | 5.0343 | 5.035  | 5.0997 | 3.2763   |
| #2     | 4.9542 | 5.1329 | 5.0056 | 5.1054 | 5.0497 | 5.044  | 5.1296 | 3.1831   |
| #3     | 4.9894 | 5.1529 | 5.0172 | 5.1194 | 5.0303 | 5.056  | 5.1236 | 3.4371   |

Sample Name: CCV03      Acquired: 5/17/2019 14:02:09      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14969      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.3719  
Stddev      .1588  
%RSD      6.6961

#1      2.1995  
#2      2.4040  
#3      2.5123

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4367.2 | 51692. | 4673.9 | 57.547 | 4260.9 |
| Stddev    | 5.1    | 193.   | 12.4   | 1.023  | 3.8    |
| %RSD      | .11617 | .37248 | .26462 | 1.7773 | .08845 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4365.3 | 51643. | 4659.7 | 56.553 | 4256.9 |
| #2 | 4363.3 | 51528. | 4680.2 | 58.596 | 4261.7 |
| #3 | 4372.9 | 51904. | 4681.9 | 57.492 | 4264.3 |

Sample Name: CCB03      Acquired: 5/17/2019 14:06:13      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14969      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00164 | .00071 | .00097 | .00065 | .00237 | -.02701 | .00073 | .00008 |
| Stddev | .00240 | .00013 | .00040 | .00023 | .00013 | .01121  | .00034 | .00002 |
| %RSD   | 146.55 | 18.141 | 41.380 | 34.660 | 5.3396 | 41.501  | 46.457 | 30.191 |

|    |         |        |        |        |        |         |        |        |
|----|---------|--------|--------|--------|--------|---------|--------|--------|
| #1 | .00175  | .00066 | .00143 | .00063 | .00226 | -.03686 | .00111 | .00005 |
| #2 | .00397  | .00085 | .00070 | .00088 | .00251 | -.01481 | .00056 | .00008 |
| #3 | -.00082 | .00061 | .00078 | .00044 | .00235 | -.02935 | .00050 | .00010 |

|        |        |        |        |         |         |         |         |         |
|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00001 | .00542 | .00017 | -.00007 | -.00107 | -.00014 | -.00021 | -.01297 |
| Stddev | .00008 | .02131 | .00057 | .00011  | .00038  | .00078  | .00003  | .01005  |
| %RSD   | 565.62 | 393.02 | 343.67 | 154.68  | 35.236  | 559.36  | 13.828  | 77.455  |

|    |         |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00008 | .01959  | -.00043 | -.00001 | -.00137 | -.00012 | -.00018 | -.02457 |
| #2 | .00007  | -.01908 | .00071  | -.00000 | -.00065 | .00063  | -.00022 | -.00725 |
| #3 | .00005  | .01576  | .00023  | -.00020 | -.00120 | -.00093 | -.00024 | -.00709 |

|        |         |         |        |        |         |         |        |         |
|--------|---------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664  | Mo2020 | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00002 | -.00000 | .00501 | .00056 | -.00113 | -.01712 | .00022 | -.00474 |
| Stddev | .00028  | .00046  | .00417 | .00011 | .00012  | .02072  | .00024 | .00993  |
| %RSD   | 1778.5  | 16493.  | 83.083 | 19.163 | 10.401  | 121.02  | 106.39 | 209.55  |

|    |         |         |        |        |         |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|---------|
| #1 | -.00016 | .00033  | .00737 | .00058 | -.00103 | -.03709 | .00037  | -.01585 |
| #2 | .00031  | .00019  | .00020 | .00066 | -.00111 | -.01853 | .00035  | .00326  |
| #3 | -.00019 | -.00053 | .00747 | .00045 | -.00126 | .00427  | -.00005 | -.00162 |

|        |        |        |         |        |         |        |         |          |
|--------|--------|--------|---------|--------|---------|--------|---------|----------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .00013 | .00206 | -.00039 | .00001 | -.00009 | .0000  | -.00015 | F 2.0917 |
| Stddev | .00194 | .00406 | .00086  | .00245 | .00061  | .0006  | .00009  | .1092    |
| %RSD   | 1506.0 | 197.58 | 220.11  | 35854. | 672.21  | 1406.  | 63.862  | 5.2208   |

|    |         |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|---------|--------|---------|--------|
| #1 | .00119  | .00400  | .00050  | .00270  | -.00030 | -.0003 | -.00005 | 2.0022 |
| #2 | .00131  | .00478  | -.00123 | -.00059 | -.00057 | .0007  | -.00023 | 2.2134 |
| #3 | -.00211 | -.00261 | -.00045 | -.00209 | .00059  | -.0003 | -.00016 | 2.0595 |

Sample Name: CCB03      Acquired: 5/17/2019 14:06:13      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14969      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .40221 |
| Stddev | .51353   |
| %RSD   | 127.68   |

|    |         |
|----|---------|
| #1 | .77088  |
| #2 | .62009  |
| #3 | -.18434 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4550.3 | 54040. | 4712.7 | 60.608 | 4839.0 |
| Stddev    | 4.6    | 207.   | 39.8   | .836   | 4.0    |
| %RSD      | .10036 | .38385 | .84434 | 1.3801 | .08295 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4549.3 | 53812. | 4741.5 | 59.650 | 4843.6 |
| #2 | 4546.3 | 54218. | 4729.4 | 61.192 | 4837.0 |
| #3 | 4555.3 | 54090. | 4667.3 | 60.983 | 4836.4 |

Sample Name: PB119837BL      Acquired: 5/17/2019 14:15:04      Type: Unk  
Method: P4-ICP2(v3131)      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    | -.00004 | .00053  | .00063  | .00281  | .00080  | -.01436 | .00039  | .00001   |
| Stddev | .00158  | .00092  | .00045  | .00217  | .00095  | .00504  | .00025  | .00007   |
| %RSD   | 3590.3  | 173.85  | 72.116  | 77.241  | 118.47  | 35.079  | 63.654  | 489.97   |
| #1     | -.00008 | .00155  | .00011  | .00071  | .00182  | -.01149 | .00016  | -.00005  |
| #2     | .00155  | .00025  | .00093  | .00504  | -.00006 | -.01142 | .00035  | .00000   |
| #3     | -.00161 | -.00022 | .00084  | .00267  | .00065  | -.02018 | .00065  | .00009   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00006 | -.00056 | .00015  | -.00005 | -.00098 | .00004  | -.00027 | .00943   |
| Stddev | .00006  | .01035  | .00013  | .00010  | .00017  | .00051  | .00002  | .07609   |
| %RSD   | 113.32  | 1838.7  | 92.653  | 192.26  | 17.639  | 1448.2  | 6.6199  | 807.21   |
| #1     | -.00013 | -.00063 | .00022  | -.00017 | -.00079 | .00062  | -.00025 | -.07780  |
| #2     | -.00001 | -.01087 | .00022  | -.00002 | -.00113 | -.00019 | -.00026 | .04394   |
| #3     | -.00002 | .00981  | -.00001 | .00003  | -.00103 | -.00032 | -.00029 | .06215   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00021 | -.00012 | -.01516 | .00041  | -.00135 | -.00938 | -.00000 | -.00582  |
| Stddev | .00039  | .00042  | .01022  | .00026  | .00008  | .03358  | .00044  | .01055   |
| %RSD   | 184.97  | 366.67  | 67.411  | 63.344  | 5.8001  | 357.83  | 11023.  | 181.15   |
| #1     | .00021  | -.00021 | -.01985 | .00035  | -.00130 | -.04425 | -.00031 | .00139   |
| #2     | -.00055 | .00035  | -.02219 | .00069  | -.00131 | .02274  | .00050  | -.01793  |
| #3     | -.00030 | -.00049 | -.00344 | .00018  | -.00144 | -.00665 | -.00020 | -.00093  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00541 | .00682  | -.00273 | -.00142 | .00014  | -.0016  | -.00021 | F 2.1584 |
| Stddev | .00106  | .00183  | .00078  | .00042  | .00095  | .0006   | .00007  | .0446    |
| %RSD   | 19.675  | 26.767  | 28.708  | 29.963  | 675.60  | 35.26   | 36.404  | 2.0661   |
| #1     | -.00539 | .00811  | -.00262 | -.00106 | -.00080 | -.0019  | -.00018 | 2.1647   |
| #2     | -.00648 | .00763  | -.00355 | -.00130 | .00011  | -.0010  | -.00015 | 2.1109   |
| #3     | -.00435 | .00473  | -.00200 | -.00189 | .00111  | -.0020  | -.00029 | 2.1995   |

Sample Name: PB119837BL      Acquired: 5/17/2019 14:15:04      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F .31009  
 Stddev      .03159  
 %RSD      10.186

#1      .28639  
 #2      .34595  
 #3      .29793

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4537.6 | 53841. | 4676.4 | 60.317 | 4831.5 |
| Stddev    | 4.5    | 162.   | 5.0    | 1.310  | 6.0    |
| %RSD      | .10019 | .30000 | .10734 | 2.1714 | .12419 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4534.3 | 53657. | 4682.1 | 61.733 | 4825.3 |
| #2 | 4542.8 | 53961. | 4673.3 | 60.067 | 4837.3 |
| #3 | 4535.7 | 53904. | 4673.6 | 59.150 | 4832.0 |

Sample Name: PB119837BS      Acquired: 5/17/2019 14:19:33      Type: Unk  
Method: P4-ICP2(v3131)      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    | .75552 | 1.9353 | .94551 | 1.9450 | .77842 | 1.8539 | .19705 |
| Stddev | .00266 | .0049  | .00480 | .0086  | .00402 | .0118  | .00077 |
| %RSD   | .35206 | .25334 | .50785 | .44441 | .51688 | .63879 | .39281 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75251 | 1.9299 | .94028 | 1.9391 | .78020 | 1.8448 | .19618 |
| #2 | .75653 | 1.9395 | .94971 | 1.9549 | .77381 | 1.8673 | .19765 |
| #3 | .75753 | 1.9364 | .94654 | 1.9409 | .78125 | 1.8498 | .19732 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19190 | .18518 | 1.0371 | .39918 | .19037 | .31017 | 3.0468 |
| Stddev | .00031 | .00041 | .0077  | .00112 | .00065 | .00077 | .0021  |
| %RSD   | .15912 | .22328 | .74746 | .28153 | .34329 | .24900 | .06880 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19192 | .18539 | 1.0416 | .40034 | .18981 | .30984 | 3.0464 |
| #2 | .19220 | .18471 | 1.0281 | .39909 | .19021 | .30962 | 3.0491 |
| #3 | .19159 | .18545 | 1.0415 | .39810 | .19108 | .31105 | 3.0450 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20302 | 1.9050 | .47763 | .07256 | 2.9554 | .29921 | .18610 |
| Stddev | .00103 | .0797  | .00183 | .00082 | .0061  | .00010 | .00053 |
| %RSD   | .50756 | 4.1819 | .38402 | 1.1232 | .20734 | .03489 | .28625 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20391 | 1.8386 | .47552 | .07271 | 2.9506 | .29931 | .18554 |
| #2 | .20325 | 1.9933 | .47857 | .07168 | 2.9623 | .29910 | .18615 |
| #3 | .20189 | 1.8832 | .47880 | .07329 | 2.9534 | .29921 | .18660 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 9.6425 | .39736 | .27537 | F -.00320 | .89582 | .65896 | .20115 |
| Stddev | .0110  | .00091 | .01854 | .00331    | .00492 | .00175 | .00099 |
| %RSD   | .11394 | .22800 | 6.7312 | 103.33    | .54899 | .26498 | .49250 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.6522 | .39780 | .27508 | -.00005 | .90136 | .65741 | .20163 |
| #2 | 9.6446 | .39631 | .29405 | -.00290 | .89413 | .66085 | .20181 |
| #3 | 9.6306 | .39796 | .25698 | -.00665 | .89197 | .65861 | .20001 |

Sample Name: PB119837BS      Acquired: 5/17/2019 14:19:33      Type: Unk  
 Method: P4-ICP2(v3131)      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    | .20446 | F 5.353 | .19678 | F 2.3633 | F<.00000 |
| Stddev | .00064 | .015    | .00044 | .0744    | .15345   |
| %RSD   | .31378 | .2726   | .22207 | 3.1475   | 104.25   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20506 | 5.336 | .19659 | 2.2802 | -.27236 |
| #2 | .20378 | 5.363 | .19728 | 2.4235 | .02400  |
| #3 | .20453 | 5.360 | .19647 | 2.3863 | -.19324 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4510.4 | 53245. | 4686.6 | 60.289 | 4707.5 |
| Stddev    | 12.4   | 138.   | 11.8   | 1.601  | 4.1    |
| %RSD      | .27582 | .25841 | .25211 | 2.6550 | .08805 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4496.9 | 53176. | 4673.0 | 61.267 | 4703.2 |
| #2 | 4521.4 | 53156. | 4694.2 | 61.158 | 4711.4 |
| #3 | 4513.0 | 53403. | 4692.7 | 58.442 | 4707.9 |

Sample Name: K2897-01      Acquired: 5/17/2019 14:28:01      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00213   | -.00057  | .00476  | .00202  | -.00205 | .04673  | .31192  | .00022 |
| Stddev | .00194   | .00229   | .00130  | .00201  | .00118  | .01527  | .00238  | .00010 |
| %RSD   | 91.050   | 403.42   | 27.345  | 99.629  | 57.797  | 32.686  | .76345  | 47.796 |
| #1     | -.00009  | -.00301  | .00495  | .00339  | -.00100 | .05422  | .31224  | .00012 |
| #2     | .00295   | .00153   | .00595  | .00294  | -.00333 | .02916  | .30940  | .00032 |
| #3     | .00351   | -.00022  | .00337  | -.00029 | -.00182 | .05681  | .31413  | .00021 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00001  | 235.21   | -.00039 | -.00031 | .00190  | -.01316 | -.00010 | 89.751 |
| Stddev | .00004   | .52      | .00008  | .00011  | .00049  | .00030  | .00003  | .702   |
| %RSD   | 396.28   | .22145   | 21.401  | 36.664  | 25.759  | 2.3009  | 30.391  | .78170 |
| #1     | -.00005  | 234.74   | -.00031 | -.00032 | .00134  | -.01282 | -.00011 | 89.790 |
| #2     | .00002   | 235.77   | -.00038 | -.00041 | .00225  | -.01325 | -.00012 | 89.031 |
| #3     | .00000   | 235.11   | -.00048 | -.00019 | .00211  | -.01340 | -.00007 | 90.432 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00220  | -.00128  | 1213.4  | .00175  | .07888  | 31.711  | .19384  | .39060 |
| Stddev | .00010   | .00012   | 4.3     | .00031  | .00008  | .212    | .00034  | .01599 |
| %RSD   | 4.4359   | 9.0263   | .35695  | 17.495  | .10612  | .66914  | .17375  | 4.0940 |
| #1     | -.00223  | -.00129  | 1218.2  | .00208  | .07885  | 31.633  | .19412  | .37867 |
| #2     | -.00209  | -.00116  | 1209.7  | .00167  | .07882  | 31.548  | .19346  | .40877 |
| #3     | -.00227  | -.00139  | 1212.4  | .00149  | .07898  | 31.951  | .19394  | .38436 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | F 91.853 | F 13.942 | -.03526 | -.00880 | .02559  | .0324   | 1.5143  | 4.8401 |
| Stddev | .227     | .048     | .00073  | .00105  | .00112  | .0019   | .0023   | .0651  |
| %RSD   | .24731   | .34716   | 2.0735  | 11.952  | 4.3708  | 5.974   | .15325  | 1.3452 |
| #1     | 91.890   | 13.944   | -.03480 | -.00901 | .02509  | .0345   | 1.5117  | 4.9030 |
| #2     | 91.609   | 13.989   | -.03488 | -.00765 | .02687  | .0321   | 1.5162  | 4.8444 |
| #3     | 92.059   | 13.893   | -.03610 | -.00972 | .02482  | .0307   | 1.5151  | 4.7730 |

Sample Name: K2897-01      Acquired: 5/17/2019 14:28:01      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.0052 |
| Stddev | .1585  |
| %RSD   | 7.9029 |

|    |        |
|----|--------|
| #1 | 1.8290 |
| #2 | 2.1362 |
| #3 | 2.0503 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4009.9 | 46439. | 4703.3 | 58.680 | 3790.6 |
| Stddev    | 28.9   | 172.   | 25.9   | 1.691  | 15.5   |
| %RSD      | .72114 | .37094 | .55054 | 2.8811 | .40843 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3976.7 | 46257. | 4689.5 | 60.607 | 3773.0 |
| #2 | 4029.0 | 46599. | 4687.3 | 57.987 | 3802.3 |
| #3 | 4024.2 | 46460. | 4733.2 | 57.445 | 3796.4 |

Sample Name: K2897-01DUP      Acquired: 5/17/2019 14:32:31      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00341 | -.00044 | .00525 | -.00035 | -.00175 | .03630 | .31446 | .00018 |
| Stddev | .00290 | .00039  | .00140 | .00176  | .00092  | .00671 | .00152 | .00002 |
| %RSD   | 85.127 | 89.981  | 26.754 | 503.61  | 52.226  | 18.475 | .48402 | 10.253 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00045 | -.00080 | .00686 | -.00050 | -.00072 | .04152 | .31449 | .00019 |
| #2 | .00625 | -.00002 | .00457 | -.00203 | -.00247 | .03863 | .31596 | .00019 |
| #3 | .00353 | -.00049 | .00431 | .00148  | -.00208 | .02874 | .31292 | .00016 |

|        |        |        |         |         |        |         |         |        |
|--------|--------|--------|---------|---------|--------|---------|---------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00004 | 236.27 | -.00094 | -.00042 | .00202 | -.01301 | -.00010 | 90.209 |
| Stddev | .00004 | 1.31   | .00026  | .00034  | .00039 | .00009  | .00002  | .422   |
| %RSD   | 90.367 | .55337 | 27.570  | 80.761  | 19.119 | .71678  | 15.518  | .46803 |

|    |        |        |         |         |        |         |         |        |
|----|--------|--------|---------|---------|--------|---------|---------|--------|
| #1 | .00007 | 235.22 | -.00092 | -.00009 | .00189 | -.01298 | -.00009 | 89.833 |
| #2 | .00005 | 237.73 | -.00069 | -.00040 | .00171 | -.01293 | -.00012 | 90.129 |
| #3 | .00000 | 235.85 | -.00121 | -.00076 | .00245 | -.01311 | -.00011 | 90.666 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00234 | -.00188 | 1186.5 | .00169 | .07731 | 32.350 | .19329 | .39845 |
| Stddev | .00054  | .00027  | 12.2   | .00031 | .00028 | .118   | .00072 | .02410 |
| %RSD   | 22.887  | 14.321  | 1.0250 | 18.637 | .36489 | .36351 | .37323 | 6.0480 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00296 | -.00200 | 1199.4 | .00159 | .07708 | 32.454 | .19319 | .37855 |
| #2 | -.00206 | -.00206 | 1185.1 | .00204 | .07763 | 32.373 | .19263 | .42525 |
| #3 | -.00200 | -.00157 | 1175.2 | .00143 | .07724 | 32.222 | .19406 | .39156 |

|        |          |          |         |         |        |        |        |        |
|--------|----------|----------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 91.683 | F 13.921 | -.03661 | -.00803 | .02730 | .0330  | 1.5234 | 4.7129 |
| Stddev | .494     | .074     | .00055  | .00115  | .00064 | .0014  | .0057  | .0474  |
| %RSD   | .53933   | .52834   | 1.4992  | 14.374  | 2.3530 | 4.314  | .37204 | 1.0066 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 91.899 | 13.837 | -.03689 | -.00876 | .02656 | .0343 | 1.5218 | 4.6672 |
| #2 | 92.032 | 13.953 | -.03696 | -.00863 | .02760 | .0315 | 1.5297 | 4.7619 |
| #3 | 91.117 | 13.973 | -.03597 | -.00670 | .02773 | .0332 | 1.5187 | 4.7095 |

Sample Name: K2897-01DUP      Acquired: 5/17/2019 14:32:31      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.0115 |
| Stddev | .1268  |
| %RSD   | 6.3063 |

|    |        |
|----|--------|
| #1 | 2.1193 |
| #2 | 1.8717 |
| #3 | 2.0434 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4018.2 | 46608. | 4742.7 | 58.923 | 3799.8 |
| Stddev    | 14.5   | 60.    | 9.9    | .645   | 14.6   |
| %RSD      | .36181 | .12942 | .20937 | 1.0942 | .38444 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4013.5 | 46541. | 4750.8 | 59.526 | 3794.7 |
| #2 | 4006.6 | 46628. | 4731.6 | 58.244 | 3788.3 |
| #3 | 4034.5 | 46657. | 4745.7 | 59.000 | 3816.2 |

Sample Name: K2897-01LX5      Acquired: 5/17/2019 14:36:59      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00164 | -.00082 | .00203 | .00170 | -.00038 | .00883 | .06055 | .00010 |
| Stddev | .00179 | .00034  | .00103 | .00101 | .00053  | .00425 | .00041 | .00003 |
| %RSD   | 109.53 | 41.755  | 50.710 | 59.770 | 141.56  | 48.137 | .68438 | 29.996 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00038 | -.00106 | .00304 | .00170 | .00022  | .00392 | .06010 | .00007 |
| #2 | .00225  | -.00043 | .00206 | .00271 | -.00082 | .01137 | .06064 | .00010 |
| #3 | .00305  | -.00096 | .00098 | .00068 | -.00053 | .01119 | .06092 | .00014 |

|        |         |        |         |         |         |        |        |        |
|--------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00000 | 49.304 | -.00035 | -.00009 | -.00014 | .00101 | .00001 | 17.433 |
| Stddev | .00008  | .069   | .00032  | .00018  | .00009  | .00062 | .00010 | .139   |
| %RSD   | 1832.4  | .14077 | 91.950  | 188.76  | 65.001  | 61.666 | 1036.7 | .79698 |

|    |         |        |         |         |         |        |         |        |
|----|---------|--------|---------|---------|---------|--------|---------|--------|
| #1 | -.00009 | 49.274 | -.00072 | -.00008 | -.00008 | .00147 | -.00001 | 17.459 |
| #2 | .00003  | 49.254 | -.00014 | .00007  | -.00010 | .00125 | -.00008 | 17.283 |
| #3 | .00005  | 49.383 | -.00019 | -.00028 | -.00025 | .00030 | .00012  | 17.557 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00151 | -.00066 | 221.44 | .00123 | .01498 | 6.2782 | .04017 | .07409 |
| Stddev | .00045  | .00030  | 2.08   | .00027 | .00004 | .0625  | .00035 | .00700 |
| %RSD   | 29.585  | 45.618  | .93874 | 22.225 | .23991 | .99615 | .87724 | 9.4453 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00168 | -.00100 | 223.84 | .00103 | .01494 | 6.2437 | .03980 | .07213 |
| #2 | -.00100 | -.00040 | 220.42 | .00111 | .01501 | 6.2404 | .04050 | .08186 |
| #3 | -.00185 | -.00060 | 220.08 | .00154 | .01500 | 6.3504 | .04020 | .06829 |

|        |          |        |         |         |        |        |        |        |
|--------|----------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 17.211 | 2.9826 | -.00828 | -.00199 | .01032 | .0037  | .31443 | 3.1379 |
| Stddev | .091     | .0136  | .00128  | .00146  | .00285 | .0006  | .00032 | .0980  |
| %RSD   | .52939   | .45591 | 15.431  | 73.349  | 27.581 | 16.66  | .10224 | 3.1227 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 17.170 | 2.9683 | -.00702 | -.00227 | .00727 | .0043 | .31445 | 3.2483 |
| #2 | 17.148 | 2.9953 | -.00957 | -.00041 | .01079 | .0037 | .31474 | 3.0611 |
| #3 | 17.315 | 2.9842 | -.00825 | -.00328 | .01290 | .0031 | .31409 | 3.1043 |

Sample Name: K2897-01LX5      Acquired: 5/17/2019 14:36:59      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.1244 |
| Stddev | .4372  |
| %RSD   | 38.884 |

|    |        |
|----|--------|
| #1 | 1.5983 |
| #2 | .73672 |
| #3 | 1.0383 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4323.5 | 50523. | 4778.4 | 62.280 | 4286.3 |
| Stddev    | 17.9   | 196.   | 19.4   | .931   | 13.5   |
| %RSD      | .41347 | .38858 | .40513 | 1.4954 | .31515 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4340.0 | 50367. | 4757.2 | 61.266 | 4298.4 |
| #2 | 4326.0 | 50743. | 4783.2 | 62.475 | 4288.7 |
| #3 | 4304.5 | 50459. | 4795.0 | 63.098 | 4271.7 |

Sample Name: K2897-01MS      Acquired: 5/17/2019 14:41:22      Type: Unk  
Method: P4-ICP2(v3131)      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    | .86867   | 1.8707   | 1.0073 | 2.1608 | .83393 | 2.2600 | .53804 | .22417 |
| Stddev | .00563   | .0034    | .0003  | .0136  | .00258 | .0118  | .00113 | .00047 |
| %RSD   | .64790   | .18076   | .03007 | .62972 | .30895 | .52221 | .21062 | .20772 |
| #1     | .86453   | 1.8705   | 1.0076 | 2.1483 | .83142 | 2.2486 | .53926 | .22365 |
| #2     | .86640   | 1.8675   | 1.0070 | 2.1589 | .83382 | 2.2591 | .53702 | .22434 |
| #3     | .87508   | 1.8742   | 1.0073 | 2.1753 | .83656 | 2.2722 | .53785 | .22453 |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20003   | 238.27   | .40883 | .20181 | .30376 | 3.0580 | .20153 | 92.229 |
| Stddev | .00034   | .51      | .00076 | .00013 | .00164 | .0011  | .00073 | .145   |
| %RSD   | .16838   | .21277   | .18675 | .06655 | .54006 | .03580 | .36156 | .15680 |
| #1     | .20038   | 238.71   | .40895 | .20196 | .30283 | 3.0590 | .20117 | 92.229 |
| #2     | .19970   | 238.37   | .40801 | .20173 | .30279 | 3.0580 | .20105 | 92.084 |
| #3     | .20000   | 237.71   | .40952 | .20173 | .30565 | 3.0568 | .20237 | 92.374 |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .49660   | .08105   | 1199.5 | .31865 | .31977 | 43.695 | .58968 | .73584 |
| Stddev | .00132   | .00053   | 4.9    | .00140 | .00014 | .088   | .00373 | .00818 |
| %RSD   | .26507   | .65684   | .40718 | .43960 | .04374 | .20110 | .63175 | 1.1121 |
| #1     | .49797   | .08139   | 1201.5 | .31828 | .31976 | 43.783 | .58708 | .74526 |
| #2     | .49647   | .08043   | 1203.1 | .32019 | .31963 | 43.694 | .58802 | .73176 |
| #3     | .49535   | .08132   | 1194.0 | .31747 | .31991 | 43.608 | .59395 | .73049 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 91.985 | F 14.802 | .66162 | .18959 | .23809 | 6.942  | 1.7323 | 4.9933 |
| Stddev | .364     | .029     | .00426 | .00101 | .00224 | .018   | .0025  | .0731  |
| %RSD   | .39582   | .19881   | .64398 | .53015 | .94020 | .2556  | .14379 | 1.4636 |
| #1     | 92.307   | 14.782   | .66449 | .18904 | .23564 | 6.959  | 1.7337 | 4.9270 |
| #2     | 91.590   | 14.836   | .65672 | .18898 | .24002 | 6.924  | 1.7338 | 5.0717 |
| #3     | 92.059   | 14.789   | .66364 | .19075 | .23862 | 6.943  | 1.7294 | 4.9812 |

Sample Name: K2897-01MS      Acquired: 5/17/2019 14:41:22      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.7389 |
| Stddev | .3442  |
| %RSD   | 19.796 |

|    |        |
|----|--------|
| #1 | 2.0550 |
| #2 | 1.7895 |
| #3 | 1.3722 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4006.0 | 46616. | 4708.0 | 59.381 | 3775.3 |
| Stddev    | 24.4   | 67.    | 9.0    | 2.922  | 10.8   |
| %RSD      | .60970 | .14292 | .19131 | 4.9214 | .28697 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4020.2 | 46574. | 4708.7 | 61.547 | 3771.9 |
| #2 | 4020.1 | 46693. | 4698.7 | 60.539 | 3787.4 |
| #3 | 3977.8 | 46581. | 4716.6 | 56.057 | 3766.5 |

Sample Name: K2897-01MSD      Acquired: 5/17/2019 14:45:34      Type: Unk  
Method: P4-ICP2(v3131)      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    | .86985   | 1.8749   | 1.0016 | 2.1642 | .84414 | 2.3202 | .54490 | .22513 |
| Stddev | .00427   | .0054    | .0040  | .0057  | .00099 | .0319  | .00050 | .00036 |
| %RSD   | .49079   | .28860   | .39795 | .26444 | .11743 | 1.3756 | .09181 | .16103 |
| #1     | .86594   | 1.8723   | .99701 | 2.1696 | .84328 | 2.3022 | .54450 | .22500 |
| #2     | .86921   | 1.8811   | 1.0043 | 2.1648 | .84522 | 2.3013 | .54475 | .22554 |
| #3     | .87441   | 1.8713   | 1.0034 | 2.1582 | .84391 | 2.3570 | .54546 | .22485 |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20067   | 240.48   | .40901 | .20219 | .30419 | 3.0502 | .20183 | 93.640 |
| Stddev | .00029   | .22      | .00102 | .00092 | .00061 | .0009  | .00067 | .450   |
| %RSD   | .14246   | .09013   | .24922 | .45491 | .19928 | .03046 | .33088 | .48090 |
| #1     | .20062   | 240.23   | .40783 | .20116 | .30466 | 3.0513 | .20243 | 93.699 |
| #2     | .20098   | 240.64   | .40959 | .20291 | .30441 | 3.0499 | .20111 | 94.058 |
| #3     | .20042   | 240.56   | .40961 | .20251 | .30351 | 3.0495 | .20194 | 93.163 |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .49812   | .08158   | 1172.4 | .32107 | .33807 | 44.175 | .59645 | .74809 |
| Stddev | .00126   | .00053   | 10.2   | .00127 | .00112 | .112   | .00163 | .02356 |
| %RSD   | .25325   | .65275   | .86937 | .39522 | .33259 | .25294 | .27276 | 3.1494 |
| #1     | .49667   | .08213   | 1178.1 | .31993 | .33860 | 44.140 | .59829 | .74324 |
| #2     | .49894   | .08107   | 1178.5 | .32084 | .33883 | 44.300 | .59519 | .77370 |
| #3     | .49876   | .08153   | 1160.6 | .32243 | .33677 | 44.085 | .59589 | .72733 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 93.084 | F 14.951 | .67038 | .19554 | .23933 | 6.960  | 1.7403 | 4.9021 |
| Stddev | .090     | .018     | .00296 | .00158 | .00178 | .003   | .0021  | .1324  |
| %RSD   | .09616   | .11945   | .44105 | .80849 | .74439 | .0417  | .12044 | 2.7003 |
| #1     | 93.186   | 14.945   | .66743 | .19405 | .23746 | 6.958  | 1.7379 | 4.8232 |
| #2     | 93.019   | 14.936   | .67334 | .19720 | .24101 | 6.958  | 1.7412 | 5.0549 |
| #3     | 93.047   | 14.971   | .67038 | .19536 | .23950 | 6.963  | 1.7418 | 4.8282 |

Sample Name: K2897-01MSD      Acquired: 5/17/2019 14:45:34      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.5093 |
| Stddev | .3077  |
| %RSD   | 20.386 |

|    |        |
|----|--------|
| #1 | 1.3502 |
| #2 | 1.3137 |
| #3 | 1.8640 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3987.9 | 46284. | 4693.8 | 58.746 | 3752.1 |
| Stddev    | 2.9    | 58.    | 5.3    | 1.133  | 2.3    |
| %RSD      | .07289 | .12497 | .11260 | 1.9282 | .06069 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3986.9 | 46285. | 4697.5 | 58.126 | 3754.5 |
| #2 | 3991.2 | 46225. | 4687.7 | 58.059 | 3750.0 |
| #3 | 3985.6 | 46341. | 4696.1 | 60.053 | 3751.8 |

Sample Name: K2897-01A      Acquired: 5/17/2019 14:49:45      Type: Unk  
Method: P4-ICP2(v3131)      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    | .86301   | 1.8691   | 1.0036 | 2.1618 | .83897 | 2.2724 | .53834 | .22377 |
| Stddev | .00324   | .0032    | .0023  | .0057  | .00303 | .0103  | .00148 | .00075 |
| %RSD   | .37515   | .17373   | .22892 | .26568 | .36174 | .45280 | .27533 | .33336 |
| #1     | .86266   | 1.8689   | 1.0063 | 2.1637 | .83625 | 2.2843 | .53676 | .22298 |
| #2     | .85996   | 1.8659   | 1.0021 | 2.1554 | .84225 | 2.2667 | .53970 | .22387 |
| #3     | .86641   | 1.8724   | 1.0026 | 2.1665 | .83842 | 2.2662 | .53857 | .22446 |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19996   | 239.15   | .40802 | .20192 | .30432 | 3.0439 | .20060 | 92.239 |
| Stddev | .00016   | 1.02     | .00062 | .00056 | .00027 | .0070  | .00039 | .697   |
| %RSD   | .07903   | .42575   | .15222 | .27783 | .08756 | .23050 | .19532 | .75586 |
| #1     | .20010   | 239.05   | .40730 | .20244 | .30434 | 3.0459 | .20067 | 91.439 |
| #2     | .19979   | 240.21   | .40843 | .20198 | .30404 | 3.0497 | .20017 | 92.556 |
| #3     | .19999   | 238.18   | .40831 | .20133 | .30457 | 3.0361 | .20095 | 92.720 |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .49653   | .08117   | 1145.3 | .32011 | .32973 | 43.473 | .59112 | .72670 |
| Stddev | .00011   | .00083   | 4.6    | .00080 | .00044 | .161   | .00117 | .00962 |
| %RSD   | .02314   | 1.0195   | .39769 | .25084 | .13348 | .36937 | .19756 | 1.3243 |
| #1     | .49664   | .08211   | 1150.3 | .31921 | .32979 | 43.325 | .59186 | .71812 |
| #2     | .49641   | .08053   | 1144.3 | .32076 | .32926 | 43.452 | .59172 | .72489 |
| #3     | .49654   | .08089   | 1141.4 | .32035 | .33014 | 43.644 | .58977 | .73711 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 92.066 | F 14.907 | .66633 | .19042 | .23537 | 6.946  | 1.7300 | 4.9961 |
| Stddev | .429     | .058     | .00127 | .00063 | .00268 | .019   | .0100  | .1492  |
| %RSD   | .46644   | .39123   | .18993 | .33176 | 1.1372 | .2742  | .57885 | 2.9855 |
| #1     | 92.025   | 14.926   | .66490 | .19035 | .23526 | 6.967  | 1.7303 | 5.0275 |
| #2     | 91.658   | 14.954   | .66732 | .19109 | .23275 | 6.931  | 1.7398 | 5.1271 |
| #3     | 92.514   | 14.842   | .66675 | .18983 | .23810 | 6.939  | 1.7198 | 4.8338 |

Sample Name: K2897-01A      Acquired: 5/17/2019 14:49:45      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.8748 |
| Stddev | .3718  |
| %RSD   | 19.831 |

|    |        |
|----|--------|
| #1 | 1.6655 |
| #2 | 2.3041 |
| #3 | 1.6549 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4012.1 | 46546. | 4688.2 | 58.138 | 3772.7 |
| Stddev    | 24.1   | 39.    | 26.9   | .781   | 23.4   |
| %RSD      | .60117 | .08485 | .57432 | 1.3432 | .61996 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4004.6 | 46570. | 4678.6 | 57.254 | 3764.6 |
| #2 | 4039.1 | 46501. | 4667.4 | 58.735 | 3799.1 |
| #3 | 3992.6 | 46568. | 4718.6 | 58.425 | 3754.5 |

Sample Name: K2858-01      Acquired: 5/17/2019 14:53:56      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00180 | .00057 | -.00110 | .00110 | -.00081 | .01304 | .00113 | .00000 |
| Stddev | .00163 | .00023 | .00114  | .00063 | .00094  | .00994 | .00068 | .00001 |
| %RSD   | 90.408 | 40.435 | 102.93  | 57.022 | 115.92  | 76.207 | 59.910 | 523.98 |

|    |        |        |         |        |         |        |        |         |
|----|--------|--------|---------|--------|---------|--------|--------|---------|
| #1 | .00043 | .00076 | -.00225 | .00090 | -.00014 | .00217 | .00050 | -.00001 |
| #2 | .00361 | .00031 | -.00109 | .00060 | -.00041 | .01528 | .00104 | .00001  |
| #3 | .00137 | .00064 | .00003  | .00180 | -.00188 | .02167 | .00185 | .00000  |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00049 | .10187 | .00081 | .00008 | .00058 | .00448 | .00003 | -.02705 |
| Stddev | .00003 | .00850 | .00022 | .00015 | .00020 | .00066 | .00004 | .01202  |
| %RSD   | 5.8247 | 8.3424 | 27.333 | 181.29 | 35.093 | 14.761 | 104.46 | 44.430  |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | .00047 | .09284 | .00106 | -.00004 | .00077 | .00506 | -.00000 | -.01323 |
| #2 | .00047 | .10304 | .00064 | .00004  | .00036 | .00376 | .00003  | -.03503 |
| #3 | .00052 | .10972 | .00073 | .00025  | .00059 | .00462 | .00007  | -.03288 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00129 | .00004 | .42612 | .00058 | .07069 | .16915 | -.00001 | .05644 |
| Stddev | .00006 | .00039 | .01137 | .00029 | .00020 | .02379 | .00024  | .01447 |
| %RSD   | 4.7152 | 1017.6 | 2.6675 | 49.393 | .28042 | 14.067 | 2197.9  | 25.638 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00134 | -.00041 | .43308 | .00062 | .07072 | .14878 | .00010  | .06860 |
| #2 | .00123 | .00031  | .43227 | .00084 | .07088 | .16338 | .00016  | .04043 |
| #3 | .00131 | .00021  | .41300 | .00027 | .07048 | .19530 | -.00029 | .06030 |

|        |        |        |         |         |         |        |        |        |
|--------|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01766 | .49301 | -.00390 | -.00002 | -.00437 | .0014  | .00011 | .86860 |
| Stddev | .00227 | .00243 | .00044  | .00260  | .00067  | .0011  | .00010 | .10897 |
| %RSD   | 12.852 | .49258 | 11.285  | 11700.  | 15.365  | 82.78  | 87.897 | 12.546 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | .01958 | .49140 | -.00352 | -.00267 | -.00365 | .0008 | .00021 | .86203 |
| #2 | .01516 | .49580 | -.00438 | .00254  | -.00449 | .0006 | .00008 | .98070 |
| #3 | .01824 | .49181 | -.00379 | .00007  | -.00498 | .0027 | .00003 | .76305 |

Sample Name: K2858-01      Acquired: 5/17/2019 14:53:56      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .21715  
 Stddev      .21303  
 %RSD      98.102

#1      .35809  
 #2      .32129  
 #3      -.02792

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4806.7 | 57879. | 5148.8 | 63.950 | 5167.6 |
| Stddev    | 3.8    | 165.   | 12.7   | 1.027  | 3.8    |
| %RSD      | .07954 | .28448 | .24606 | 1.6054 | .07337 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4802.5 | 57699. | 5151.4 | 63.883 | 5163.4 |
| #2 | 4807.7 | 58021. | 5135.0 | 65.008 | 5168.8 |
| #3 | 4810.0 | 57917. | 5159.9 | 62.958 | 5170.7 |

Sample Name: CCV04      Acquired: 5/17/2019 15:14:51      Type: Unk  
Method: P4-ICP2(v3131)      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    | 5.0638 | 5.0178 | 4.9601 | 5.0792 | 5.1143 | 9.9344 | 10.082 | .25124   |
| Stddev | .0108  | .0033  | .0078  | .0121  | .0042  | .0691  | .055   | .00055   |
| %RSD   | .21265 | .06583 | .15653 | .23867 | .08299 | .69558 | .54826 | .22049   |
| #1     | 5.0743 | 5.0210 | 4.9522 | 5.0893 | 5.1139 | 9.8772 | 10.024 | .25110   |
| #2     | 5.0528 | 5.0144 | 4.9604 | 5.0826 | 5.1187 | 10.011 | 10.088 | .25076   |
| #3     | 5.0643 | 5.0180 | 4.9677 | 5.0658 | 5.1103 | 9.9148 | 10.134 | .25185   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4695 | 25.315 | .99610 | 2.4808 | 1.2648 | 5.0072 | 2.4924 | 24.779   |
| Stddev | .0021  | .130   | .00203 | .0043  | .0008  | .0024  | .0063  | .170     |
| %RSD   | .08494 | .51304 | .20340 | .17392 | .06064 | .04895 | .25478 | .68616   |
| #1     | 2.4672 | 25.166 | .99392 | 2.4764 | 1.2657 | 5.0051 | 2.4938 | 24.584   |
| #2     | 2.4714 | 25.406 | .99647 | 2.4850 | 1.2646 | 5.0065 | 2.4979 | 24.899   |
| #3     | 2.4699 | 25.373 | .99792 | 2.4811 | 1.2642 | 5.0099 | 2.4854 | 24.852   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4762 | 1.2548 | 24.478 | 2.5130 | 2.4968 | 24.869 | 5.0523 | 4.9575   |
| Stddev | .0035  | .0036  | .073   | .0056  | .0018  | .089   | .0023  | .0229    |
| %RSD   | .14183 | .28391 | .29903 | .22446 | .07309 | .35655 | .04601 | .46128   |
| #1     | 2.4738 | 1.2510 | 24.520 | 2.5125 | 2.4947 | 24.818 | 5.0549 | 4.9324   |
| #2     | 2.4802 | 1.2555 | 24.522 | 2.5076 | 2.4982 | 24.818 | 5.0507 | 4.9631   |
| #3     | 2.4746 | 1.2580 | 24.394 | 2.5188 | 2.4975 | 24.972 | 5.0512 | 4.9771   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0107 | 5.0333 | 4.9646 | 5.0551 | 4.9936 | 5.077  | 5.0273 | F 3.1484 |
| Stddev | .0035  | .0440  | .0062  | .0303  | .0384  | .007   | .0292  | .1259    |
| %RSD   | .07072 | .87472 | .12544 | .59991 | .76929 | .1420  | .58114 | 3.9995   |
| #1     | 5.0148 | 5.0229 | 4.9637 | 5.0318 | 5.0017 | 5.084  | 5.0322 | 3.1162   |
| #2     | 5.0091 | 4.9954 | 4.9713 | 5.0441 | 4.9518 | 5.069  | 4.9959 | 3.0418   |
| #3     | 5.0083 | 5.0816 | 4.9589 | 5.0894 | 5.0273 | 5.079  | 5.0538 | 3.2874   |

Sample Name: CCV04      Acquired: 5/17/2019 15:14:51      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.1514 |
| Stddev | .2835    |
| %RSD   | 13.178   |

|    |        |
|----|--------|
| #1 | 1.8242 |
| #2 | 2.3069 |
| #3 | 2.3231 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4389.2 | 51987. | 4804.7 | 58.571 | 4275.3 |
| Stddev    | 8.1    | 3.     | 30.0   | 2.488  | 4.3    |
| %RSD      | .18540 | .00647 | .62495 | 4.2476 | .09962 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4379.8 | 51986. | 4797.7 | 57.499 | 4270.4 |
| #2 | 4394.7 | 51984. | 4837.6 | 61.415 | 4277.6 |
| #3 | 4393.0 | 51990. | 4778.8 | 56.799 | 4277.9 |

Sample Name: CCB04      Acquired: 5/17/2019 15:18:57      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00058   | .00086  | .00043  | .00257  | .00156  | -.02542 | .00085  | .00006   |
| Stddev | .00110   | .00089  | .00045  | .00104  | .00147  | .00566  | .00053  | .00008   |
| %RSD   | 187.47   | 102.78  | 103.46  | 40.453  | 93.709  | 22.276  | 62.385  | 138.59   |
| #1     | -.00033  | .00171  | .00026  | .00141  | .00326  | -.02603 | .00029  | -.00002  |
| #2     | .00028   | -.00006 | .00010  | .00342  | .00072  | -.01947 | .00135  | .00005   |
| #3     | .00180   | .00094  | .00094  | .00289  | .00072  | -.03075 | .00091  | .00015   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00006   | .01495  | -.00002 | .00005  | -.00123 | .00042  | -.00026 | -.02048  |
| Stddev | .00002   | .00171  | .00037  | .00009  | .00035  | .00040  | .00003  | .03146   |
| %RSD   | 37.601   | 11.441  | 1701.6  | 182.23  | 28.517  | 95.867  | 9.8941  | 153.65   |
| #1     | .00004   | .01370  | .00037  | -.00005 | -.00127 | .00026  | -.00026 | .00573   |
| #2     | .00008   | .01424  | -.00007 | .00012  | -.00157 | .00087  | -.00023 | -.05537  |
| #3     | .00007   | .01690  | -.00036 | .00009  | -.00087 | .00012  | -.00028 | -.01179  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00042   | .00004  | .13693  | .00054  | -.00102 | .13323  | .00032  | -.01127  |
| Stddev | .00016   | .00062  | .01490  | .00037  | .00015  | .01151  | .00009  | .01300   |
| %RSD   | 38.663   | 1487.3  | 10.885  | 68.602  | 14.394  | 8.6403  | 27.061  | 115.30   |
| #1     | .00054   | .00033  | .12043  | .00062  | -.00085 | .12253  | .00022  | -.02450  |
| #2     | .00050   | -.00067 | .14942  | .00014  | -.00109 | .14541  | .00036  | -.01081  |
| #3     | .00024   | .00046  | .14093  | .00087  | -.00112 | .13175  | .00037  | .00149   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .01092 | .00315  | -.00041 | .00081  | .00042  | -.0005  | -.00030 | F 1.9211 |
| Stddev | .00097   | .00296  | .00005  | .00024  | .00170  | .0007   | .00004  | .1499    |
| %RSD   | 8.8877   | 93.939  | 11.320  | 29.740  | 403.52  | 153.1   | 13.293  | 7.8022   |
| #1     | .01093   | .00550  | -.00045 | .00082  | .00018  | -.0011  | -.00028 | 2.0718   |
| #2     | .01188   | .00414  | -.00042 | .00105  | -.00114 | .0003   | -.00027 | 1.9193   |
| #3     | .00994   | -.00018 | -.00036 | .00057  | .00223  | -.0006  | -.00034 | 1.7721   |

Sample Name: CCB04      Acquired: 5/17/2019 15:18:57      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .34622 |
| Stddev | .07682   |
| %RSD   | 22.188   |

|    |        |
|----|--------|
| #1 | .40141 |
| #2 | .25849 |
| #3 | .37876 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4602.8 | 54900. | 4846.0 | 62.042 | 4900.5 |
| Stddev    | 9.7    | 116.   | 40.3   | .646   | 5.1    |
| %RSD      | .21102 | .21152 | .83065 | 1.0408 | .10420 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4592.2 | 54780. | 4865.9 | 62.775 | 4898.6 |
| #2 | 4611.3 | 54908. | 4799.6 | 61.558 | 4906.3 |
| #3 | 4604.8 | 55012. | 4872.4 | 61.792 | 4896.6 |

Sample Name: LR CHECK 1      Acquired: 5/17/2019 15:24:05      Type: Unk  
Method: P4-ICP2(v3131)      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    | -.05128 | -.01441 | -.07778 | -.36144 | .02756 | 1982.8 | .01219  | .06427  |
| Stddev | .00891  | .00449  | .00243  | .00974  | .01387 | 6.9    | .00049  | .00048  |
| %RSD   | 17.373  | 31.171  | 3.1232  | 2.6958  | 50.313 | .34761 | 3.9795  | .75308  |
| #1     | -.04239 | -.01533 | -.07826 | -.35656 | .04353 | 1975.1 | .01189  | .06451  |
| #2     | -.06021 | -.00953 | -.07993 | -.37266 | .02055 | 1988.4 | .01275  | .06371  |
| #3     | -.05125 | -.01836 | -.07515 | -.35510 | .01860 | 1984.9 | .01194  | .06458  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .08270  | 1710.8  | -.12411 | .08349  | .27612 | 940.71 | -.04086 | 1649.8  |
| Stddev | .00205  | 3.0     | .00079  | .00155  | .00229 | 3.13   | .00030  | 2.8     |
| %RSD   | 2.4798  | .17668  | .63897  | 1.8535  | .82807 | .33236 | .73402  | .16803  |
| #1     | .08411  | 1713.8  | -.12409 | .08431  | .27350 | 944.06 | -.04109 | 1649.2  |
| #2     | .08366  | 1710.9  | -.12491 | .08446  | .27717 | 937.87 | -.04052 | 1652.8  |
| #3     | .08035  | 1707.8  | -.12333 | .08171  | .27770 | 940.20 | -.04099 | 1647.3  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .06652  | -.16914 | 1931.2  | .00084  | .16482 | 967.23 | -.03015 | -1.8171 |
| Stddev | .00056  | .00131  | 24.7    | .00127  | .00194 | 12.39  | .00040  | .0263   |
| %RSD   | .84659  | .77474  | 1.2807  | 150.56  | 1.1770 | 1.2806 | 1.3268  | 1.4502  |
| #1     | .06707  | -.16954 | 1952.9  | -.00062 | .16489 | 975.55 | -.02983 | -1.7867 |
| #2     | .06594  | -.16767 | 1936.5  | .00146  | .16672 | 973.15 | -.03060 | -1.8330 |
| #3     | .06656  | -.17019 | 1904.3  | .00169  | .16284 | 953.00 | -.03002 | -1.8317 |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .44889  | .01643  | .07611  | -.07641 | .07873 | .1889  | -1.0206 | 3.5797  |
| Stddev | .01611  | .00452  | .00555  | .00083  | .00094 | .0046  | .0035   | .0856   |
| %RSD   | 3.5899  | 27.523  | 7.2970  | 1.0872  | 1.1980 | 2.440  | .33926  | 2.3905  |
| #1     | .46514  | .01980  | .07793  | -.07732 | .07854 | .1836  | -1.0244 | 3.5272  |
| #2     | .43291  | .01821  | .08052  | -.07568 | .07790 | .1917  | -1.0176 | 3.5334  |
| #3     | .44861  | .01129  | .06987  | -.07624 | .07976 | .1915  | -1.0199 | 3.6784  |

Sample Name: LR CHECK 1      Acquired: 5/17/2019 15:24:05      Type: Unk  
 Method: P4-ICP2(v3131)      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       | 3048.5 | 36083. | 4100.0 | 47.763 | 2172.4 |
| Stddev    | 3.8    | 138.   | 9.9    | 1.785  | 4.5    |
| %RSD      | .12401 | .38246 | .24207 | 3.7376 | .20800 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3049.5 | 35965. | 4088.6 | 49.528 | 2171.2 |
| #2 | 3044.3 | 36049. | 4107.1 | 45.959 | 2168.6 |
| #3 | 3051.7 | 36235. | 4104.2 | 47.802 | 2177.4 |

Sample Name: LR CHECK 2      Acquired: 5/17/2019 15:29:07      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |          |         |
|--------|---------|---------|---------|---------|---------|---------|----------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934   | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     |
| Avg    | -.00222 | -.00183 | 239.41  | .03091  | -.03491 | -.23579 | 91.727   | -.00145 |
| Stddev | .00123  | .00134  | .40     | .00028  | .00290  | .00556  | .853     | .00001  |
| %RSD   | 55.367  | 73.101  | .16748  | .90217  | 8.3044  | 2.3579  | .92955   | .79276  |
| #1     | -.00359 | -.00334 | 239.13  | .03059  | -.03164 | -.23635 | 91.013   | -.00146 |
| #2     | -.00185 | -.00077 | 239.22  | .03104  | -.03718 | -.22998 | 92.671   | -.00143 |
| #3     | -.00122 | -.00139 | 239.87  | .03110  | -.03590 | -.24105 | 91.496   | -.00145 |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576   | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     |
| Avg    | -.00544 | .26670  | -.13416 | .00471  | 243.03  | -.74503 | F 39.489 | -.09502 |
| Stddev | .00006  | .01011  | .00041  | .00054  | .48     | .00486  | .317     | .04357  |
| %RSD   | 1.1677  | 3.7920  | .30810  | 11.394  | .19745  | .65212  | .80156   | 45.848  |
| #1     | -.00539 | .25785  | -.13379 | .00419  | 242.86  | -.73963 | 39.798   | -.06418 |
| #2     | -.00541 | .27772  | -.13460 | .00466  | 243.57  | -.74643 | 39.503   | -.14486 |
| #3     | -.00551 | .26452  | -.13408 | .00526  | 242.66  | -.74904 | 39.165   | -.07603 |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020   | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     |
| Avg    | 48.913  | .00555  | .72660  | -.12310 | 34.464  | 1.1313  | -.00771  | .00120  |
| Stddev | .013    | .00040  | .03306  | .00046  | .226    | .0270   | .00038   | .00257  |
| %RSD   | .02729  | 7.2451  | 4.5505  | .37062  | .65492  | 2.3900  | 4.9294   | 214.00  |
| #1     | 48.898  | .00599  | .69078  | -.12354 | 34.304  | 1.1006  | -.00760  | .00005  |
| #2     | 48.919  | .00543  | .73305  | -.12263 | 34.365  | 1.1415  | -.00813  | .00414  |
| #3     | 48.922  | .00522  | .75596  | -.12314 | 34.722  | 1.1518  | -.00739  | -.00059 |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077   | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     |
| Avg    | .04592  | .00429  | -.00060 | .00663  | -.00587 | -2.374  | .00263   | 3.4688  |
| Stddev | .00275  | .00074  | .00065  | .00257  | .00057  | .018    | .00006   | .0580   |
| %RSD   | 5.9871  | 17.330  | 108.06  | 38.759  | 9.6619  | .7706   | 2.1676   | 1.6708  |
| #1     | .04451  | .00401  | -.00060 | .00742  | -.00556 | -2.395  | .00267   | 3.4972  |
| #2     | .04416  | .00514  | .00005  | .00871  | -.00653 | -2.362  | .00266   | 3.5071  |
| #3     | .04909  | .00373  | -.00125 | .00376  | -.00553 | -2.365  | .00256   | 3.4021  |

Sample Name: LR CHECK 2      Acquired: 5/17/2019 15:29:07      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .91595  
Stddev      .09433  
%RSD      10.299

#1      1.0240  
#2      .85028  
#3      .87352

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4503.6 | 56260. | 4984.6 | 62.692 | 4445.2 |
| Stddev    | 4.3    | 212.   | 42.8   | 2.136  | 6.4    |
| %RSD      | .09607 | .37669 | .85810 | 3.4080 | .14495 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4499.3 | 56143. | 4938.1 | 61.283 | 4452.6 |
| #2 | 4503.4 | 56132. | 4993.6 | 61.642 | 4440.8 |
| #3 | 4508.0 | 56504. | 5022.2 | 65.150 | 4442.2 |

Sample Name: K2869-01      Acquired: 5/17/2019 15:34:29      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CONCRETE-CUR      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |        |        |        |
|--------|----------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06276   | -.02810 | .09778  | -.00807 | -.00052 | 145.08 | 1.1942 | .01873 |
| Stddev | .00307   | .00127  | .00308  | .00086  | .00028  | .65    | .0037  | .00018 |
| %RSD   | 4.8879   | 4.5223  | 3.1540  | 10.662  | 53.278  | .44623 | .30774 | .95874 |
| #1     | .06370   | -.02833 | .10085  | -.00882 | -.00084 | 144.64 | 1.1900 | .01891 |
| #2     | .05933   | -.02673 | .09780  | -.00713 | -.00038 | 144.78 | 1.1960 | .01871 |
| #3     | .06525   | -.02924 | .09468  | -.00825 | -.00033 | 145.82 | 1.1966 | .01856 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00058   | 1694.7  | .24240  | .04241  | .18477  | 117.41 | 5.7797 | 316.14 |
| Stddev | .00007   | 6.8     | .00045  | .00027  | .00151  | .49    | .0515  | 1.49   |
| %RSD   | 11.571   | .40163  | .18433  | .62781  | .81570  | .42057 | .89129 | .47129 |
| #1     | .00056   | 1701.6  | .24256  | .04248  | .18398  | 117.26 | 5.8352 | 314.92 |
| #2     | .00065   | 1688.0  | .24275  | .04212  | .18651  | 117.01 | 5.7334 | 315.70 |
| #3     | .00052   | 1694.4  | .24190  | .04264  | .18383  | 117.96 | 5.7707 | 317.80 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .13258   | -.01008 | 9.4605  | .19477  | .97113  | 14.904 | .00924 | .15403 |
| Stddev | .00058   | .00039  | .0418   | .00100  | .00560  | .014   | .00039 | .02110 |
| %RSD   | .43774   | 3.8305  | .44183  | .51471  | .57657  | .09332 | 4.1975 | 13.700 |
| #1     | .13311   | -.01048 | 9.4131  | .19362  | .97647  | 14.889 | .00891 | .17158 |
| #2     | .13196   | -.00971 | 9.4766  | .19545  | .96530  | 14.906 | .00967 | .15989 |
| #3     | .13268   | -.01005 | 9.4919  | .19523  | .97163  | 14.916 | .00915 | .13062 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 63.104 | .81651  | -.00299 | 4.8170  | .24266  | 5.250  | 4.4790 | 3.3831 |
| Stddev | .262     | .00612  | .00025  | .0328   | .00290  | .011   | .0069  | .1259  |
| %RSD   | .41517   | .74939  | 8.2997  | .68124  | 1.1941  | .2049  | .15323 | 3.7214 |
| #1     | 63.323   | .82310  | -.00304 | 4.7907  | .24050  | 5.238  | 4.4711 | 3.4633 |
| #2     | 62.814   | .81102  | -.00272 | 4.8066  | .24153  | 5.259  | 4.4835 | 3.4480 |
| #3     | 63.174   | .81540  | -.00321 | 4.8538  | .24595  | 5.251  | 4.4825 | 3.2380 |

Sample Name: K2869-01      Acquired: 5/17/2019 15:34:29      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CONCRETE-CUR      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 40.033 |
| Stddev | .147   |
| %RSD   | .36806 |

|    |        |
|----|--------|
| #1 | 39.864 |
| #2 | 40.097 |
| #3 | 40.137 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4261.8 | 51463. | 5385.3 | 52.384 | 3351.7 |
| Stddev    | 6.5    | 125.   | 17.7   | .812   | 19.3   |
| %RSD      | .15212 | .24249 | .32902 | 1.5496 | .57673 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4258.7 | 51384. | 5364.9 | 51.483 | 3333.0 |
| #2 | 4257.5 | 51607. | 5393.7 | 52.610 | 3371.6 |
| #3 | 4269.3 | 51398. | 5397.2 | 53.059 | 3350.5 |

Sample Name: K2869-03      Acquired: 5/17/2019 15:39:15      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CINDER-BLOCK      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |        |         |        |        |        |
|--------|----------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05240   | -.03043 | .07404  | .00372 | -.00338 | 205.18 | 3.7157 | .02746 |
| Stddev | .00342   | .00209  | .00216  | .00324 | .00053  | .43    | .0073  | .00018 |
| %RSD   | 6.5276   | 6.8678  | 2.9175  | 87.129 | 15.671  | .20728 | .19549 | .66766 |
| #1     | .05468   | -.02844 | .07159  | .00293 | -.00341 | 205.61 | 3.7239 | .02761 |
| #2     | .04847   | -.03025 | .07488  | .00094 | -.00284 | 204.76 | 3.7100 | .02726 |
| #3     | .05406   | -.03261 | .07565  | .00728 | -.00390 | 205.18 | 3.7132 | .02752 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00076  | 1411.9  | .17896  | .06131 | .16524  | 82.241 | 9.1412 | 228.09 |
| Stddev | .00001   | 16.5    | .00059  | .00026 | .00039  | .190   | .0234  | .58    |
| %RSD   | 1.7212   | 1.1655  | .33182  | .43150 | .23852  | .23158 | .25598 | .25229 |
| #1     | -.00077  | 1393.0  | .17829  | .06120 | .16562  | 82.458 | 9.1564 | 228.69 |
| #2     | -.00076  | 1419.8  | .17916  | .06112 | .16526  | 82.101 | 9.1529 | 227.54 |
| #3     | -.00074  | 1423.0  | .17942  | .06161 | .16483  | 82.164 | 9.1143 | 228.05 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .13871   | -.00657 | 6.4186  | .13926 | .30994  | 25.066 | .00171 | .61865 |
| Stddev | .00074   | .00040  | .0065   | .00160 | .00052  | .019   | .00021 | .02769 |
| %RSD   | .53311   | 6.1078  | .10139  | 1.1497 | .16798  | .07505 | 12.342 | 4.4763 |
| #1     | .13807   | -.00616 | 6.4249  | .13750 | .30985  | 25.084 | .00166 | .61493 |
| #2     | .13952   | -.00660 | 6.4119  | .13967 | .31050  | 25.066 | .00153 | .59301 |
| #3     | .13853   | -.00696 | 6.4191  | .14062 | .30947  | 25.047 | .00195 | .64802 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 46.896 | .67184  | -.00211 | 5.0926 | .21711  | 3.187  | 6.7443 | 3.3487 |
| Stddev | .102     | .01056  | .00050  | .0066  | .00187  | .003   | .0671  | .1127  |
| %RSD   | .21808   | 1.5718  | 23.752  | .12965 | .86230  | .0911  | .99503 | 3.3652 |
| #1     | 46.847   | .66362  | -.00228 | 5.0940 | .21601  | 3.186  | 6.6692 | 3.2862 |
| #2     | 47.014   | .66815  | -.00154 | 5.0983 | .21604  | 3.190  | 6.7984 | 3.4787 |
| #3     | 46.828   | .68375  | -.00250 | 5.0853 | .21927  | 3.185  | 6.7652 | 3.2810 |

Sample Name: K2869-03      Acquired: 5/17/2019 15:39:15      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CINDER-BLOCK Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 27.641 |
| Stddev | .207   |
| %RSD   | .74897 |

|    |        |
|----|--------|
| #1 | 27.566 |
| #2 | 27.482 |
| #3 | 27.875 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4307.0 | 51670. | 5392.2 | 52.190 | 3466.7 |
| Stddev    | 11.7   | 84.    | 36.7   | .847   | 9.0    |
| %RSD      | .27143 | .16328 | .68030 | 1.6239 | .25944 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4294.0 | 51578. | 5430.8 | 51.232 | 3456.4 |
| #2 | 4316.8 | 51743. | 5357.8 | 52.494 | 3471.7 |
| #3 | 4310.1 | 51689. | 5387.9 | 52.843 | 3472.2 |

Sample Name: K2869-05      Acquired: 5/17/2019 15:44:08      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CONCRETE-ISL Custom ID2:      Custom ID3:  
Comment:

|        |          |          |         |         |         |         |        |        |
|--------|----------|----------|---------|---------|---------|---------|--------|--------|
| Elem   | As1890   | Tl1908   | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .08527   | -.02418  | .11901  | -.01758 | -.00123 | 186.51  | 1.0709 | .01628 |
| Stddev | .00124   | .00171   | .00011  | .00152  | .00460  | 1.20    | .0044  | .00011 |
| %RSD   | 1.4521   | 7.0883   | .09268  | 8.6541  | 374.50  | .64135  | .40810 | .67339 |
| #1     | .08540   | -.02238  | .11892  | -.01872 | -.00615 | 185.25  | 1.0675 | .01633 |
| #2     | .08644   | -.02438  | .11898  | -.01585 | -.00050 | 187.62  | 1.0758 | .01615 |
| #3     | .08397   | -.02579  | .11913  | -.01816 | .00296  | 186.67  | 1.0693 | .01635 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00303   | F 2439.3 | .41485  | .07745  | .30266  | 161.92  | 6.9811 | 572.44 |
| Stddev | .00012   | 5.1      | .00143  | .00035  | .00181  | 1.37    | .0225  | 2.25   |
| %RSD   | 4.1138   | .20768   | .34516  | .45773  | .59800  | .84436  | .32240 | .39352 |
| #1     | .00315   | 2433.8   | .41633  | .07783  | .30071  | 161.06  | 6.9615 | 569.99 |
| #2     | .00305   | 2440.3   | .41347  | .07742  | .30428  | 161.20  | 6.9762 | 574.42 |
| #3     | .00290   | 2443.8   | .41476  | .07712  | .30299  | 163.49  | 7.0057 | 572.91 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .23889   | -.01333  | 36.857  | .31626  | 3.7349  | 79.512  | .01332 | .30547 |
| Stddev | .00068   | .00014   | .155    | .00136  | .0143   | .484    | .00041 | .02349 |
| %RSD   | .28430   | 1.0746   | .41935  | .43052  | .38243  | .60834  | 3.1082 | 7.6886 |
| #1     | .23903   | -.01322  | 36.783  | .31546  | 3.7423  | 79.113  | .01380 | .28135 |
| #2     | .23815   | -.01328  | 37.035  | .31783  | 3.7184  | 80.050  | .01312 | .32826 |
| #3     | .23949   | -.01349  | 36.754  | .31550  | 3.7439  | 79.373  | .01305 | .30679 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 98.878 | .63097   | -.00622 | 4.4020  | .37477  | F 10.71 | 8.1344 | 3.6669 |
| Stddev | .413     | .00303   | .00072  | .0200   | .00028  | .02     | .0199  | .0820  |
| %RSD   | .41782   | .48094   | 11.538  | .45555  | .07586  | .1920   | .24405 | 2.2361 |
| #1     | 99.156   | .63018   | -.00705 | 4.4023  | .37446  | 10.73   | 8.1128 | 3.7596 |
| #2     | 98.403   | .63433   | -.00585 | 4.4218  | .37483  | 10.70   | 8.1385 | 3.6373 |
| #3     | 99.074   | .62841   | -.00576 | 4.3817  | .37502  | 10.70   | 8.1519 | 3.6038 |

Sample Name: K2869-05      Acquired: 5/17/2019 15:44:08      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CONCRETE-ISL Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 55.451 |
| Stddev | .657   |
| %RSD   | 1.1855 |

|    |        |
|----|--------|
| #1 | 55.284 |
| #2 | 56.176 |
| #3 | 54.894 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4014.0 | 48623. | 5234.9 | 50.213 | 3046.5 |
| Stddev    | 15.5   | 55.    | 9.5    | .650   | 9.5    |
| %RSD      | .38677 | .11269 | .18236 | 1.2938 | .31222 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4031.4 | 48685. | 5231.8 | 50.341 | 3041.2 |
| #2 | 4001.7 | 48581. | 5227.3 | 50.789 | 3057.5 |
| #3 | 4009.0 | 48603. | 5245.6 | 49.508 | 3040.9 |

Sample Name: K2869-07      Acquired: 5/17/2019 15:48:59      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MAIN-BUILDIN      Custom ID2:      Custom ID3:  
 Comment:

|        |          |         |         |         |         |        |        |        |
|--------|----------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05388   | -.02678 | .06260  | -.01258 | -.00120 | 165.43 | 1.2309 | .01804 |
| Stddev | .00212   | .00083  | .00131  | .00523  | .00153  | .23    | .0023  | .00021 |
| %RSD   | 3.9413   | 3.0992  | 2.0984  | 41.587  | 127.92  | .13881 | .18676 | 1.1401 |
| #1     | .05554   | -.02596 | .06347  | -.01260 | -.00181 | 165.19 | 1.2282 | .01791 |
| #2     | .05149   | -.02761 | .06323  | -.00734 | .00055  | 165.47 | 1.2325 | .01793 |
| #3     | .05463   | -.02676 | .06109  | -.01780 | -.00233 | 165.64 | 1.2319 | .01827 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00016  | 1603.1  | .23121  | .06267  | .21345  | 160.60 | 5.0326 | 225.39 |
| Stddev | .00025   | 19.0    | .00116  | .00026  | .00188  | 2.58   | .0534  | .57    |
| %RSD   | 153.59   | 1.1831  | .50041  | .41995  | .88165  | 1.6041 | 1.0606 | .25106 |
| #1     | -.00005  | 1585.3  | .23195  | .06275  | .21375  | 158.69 | 5.0207 | 224.75 |
| #2     | -.00044  | 1623.0  | .22988  | .06288  | .21144  | 163.53 | 4.9862 | 225.61 |
| #3     | .00001   | 1601.0  | .23181  | .06237  | .21517  | 159.58 | 5.0910 | 225.82 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .19592   | -.01337 | 5.3311  | .26428  | .75458  | 18.381 | .00489 | .08016 |
| Stddev | .00086   | .00080  | .0254   | .00068  | .00329  | .062   | .00015 | .00861 |
| %RSD   | .43749   | 6.0008  | .47634  | .25628  | .43635  | .33633 | 3.1288 | 10.735 |
| #1     | .19629   | -.01410 | 5.3082  | .26482  | .75402  | 18.319 | .00472 | .08828 |
| #2     | .19494   | -.01251 | 5.3267  | .26352  | .75812  | 18.443 | .00498 | .07114 |
| #3     | .19653   | -.01350 | 5.3584  | .26450  | .75161  | 18.381 | .00498 | .08107 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 50.672 | .60625  | -.00242 | 4.8382  | .28949  | 5.529  | 2.6488 | 3.2468 |
| Stddev | .191     | .01441  | .00013  | .0160   | .00024  | .008   | .0054  | .1081  |
| %RSD   | .37772   | 2.3765  | 5.2153  | .33127  | .08347  | .1412  | .20542 | 3.3300 |
| #1     | 50.671   | .61762  | -.00242 | 4.8520  | .28965  | 5.520  | 2.6547 | 3.3412 |
| #2     | 50.864   | .59005  | -.00229 | 4.8206  | .28961  | 5.533  | 2.6476 | 3.2703 |
| #3     | 50.482   | .61108  | -.00255 | 4.8420  | .28921  | 5.535  | 2.6440 | 3.1288 |

Sample Name: K2869-07      Acquired: 5/17/2019 15:48:59      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MAIN-BUILDIN      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 53.320 |
| Stddev | .512   |
| %RSD   | .96108 |

|    |        |
|----|--------|
| #1 | 53.621 |
| #2 | 52.729 |
| #3 | 53.611 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4293.5 | 51936. | 5420.3 | 51.560 | 3363.7 |
| Stddev    | 3.8    | 203.   | 6.8    | 1.357  | 16.0   |
| %RSD      | .08942 | .39073 | .12601 | 2.6325 | .47543 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4289.2 | 52164. | 5427.5 | 50.488 | 3364.6 |
| #2 | 4296.5 | 51870. | 5413.8 | 51.105 | 3347.2 |
| #3 | 4294.9 | 51775. | 5419.7 | 53.086 | 3379.2 |

Sample Name: K2869-09      Acquired: 5/17/2019 15:53:41      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ROCKY-SOIL      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00343 | -.03914 | .02782 | .00047 | -.00055 | 77.796 | .44686 | .00885 |
| Stddev | .00199 | .00097  | .00078 | .00224 | .00306  | .078   | .00112 | .00014 |
| %RSD   | 58.093 | 2.4900  | 2.7987 | 472.77 | 561.26  | .10090 | .25009 | 1.5762 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00351 | -.03802 | .02726 | .00280  | .00230  | 77.756 | .44639 | .00901 |
| #2 | .00539 | -.03976 | .02871 | -.00167 | -.00015 | 77.746 | .44605 | .00881 |
| #3 | .00140 | -.03965 | .02748 | .00030  | -.00379 | 77.887 | .44814 | .00874 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00359 | 72.224 | .14971 | .12069 | .49519 | 177.83 | 1.8619 | 58.297 |
| Stddev | .00016  | .136   | .00071 | .00075 | .00018 | 1.02   | .0039  | .151   |
| %RSD   | 4.4533  | .18853 | .47559 | .62408 | .03546 | .57229 | .21094 | .25914 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00352 | 72.170 | .15053 | .12108 | .49511 | 178.42 | 1.8664 | 58.472 |
| #2 | -.00348 | 72.379 | .14930 | .12117 | .49507 | 176.66 | 1.8602 | 58.217 |
| #3 | -.00378 | 72.123 | .14930 | .11982 | .49539 | 178.42 | 1.8592 | 58.204 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .15162 | -.00939 | 2.0286 | .23275 | .40003 | 29.319 | .00855 | -.03716 |
| Stddev | .00147 | .00007  | .0158  | .00131 | .00129 | .046   | .00043 | .00578  |
| %RSD   | .97079 | .79242  | .78056 | .56335 | .32254 | .15527 | 5.0529 | 15.561  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .15309 | -.00931 | 2.0463 | .23377 | .40102 | 29.362 | .00844 | -.03455 |
| #2 | .15161 | -.00939 | 2.0157 | .23127 | .40049 | 29.272 | .00902 | -.04379 |
| #3 | .15015 | -.00946 | 2.0237 | .23320 | .39857 | 29.322 | .00818 | -.03314 |

|        |          |        |        |        |        |         |         |        |
|--------|----------|--------|--------|--------|--------|---------|---------|--------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077  | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | F 17.446 | 8.2461 | .00477 | 7.5208 | .13533 | F 14.73 | -.09427 | .02604 |
| Stddev | .003     | .0593  | .00025 | .0178  | .00100 | .06     | .00092  | .20470 |
| %RSD   | .01871   | .71912 | 5.3383 | .23723 | .73855 | .3964   | .97832  | 786.05 |

|    |        |        |        |        |        |       |         |         |
|----|--------|--------|--------|--------|--------|-------|---------|---------|
| #1 | 17.443 | 8.3111 | .00474 | 7.5003 | .13480 | 14.69 | -.09497 | -.20977 |
| #2 | 17.447 | 8.2322 | .00453 | 7.5292 | .13470 | 14.80 | -.09322 | .15788  |
| #3 | 17.449 | 8.1949 | .00504 | 7.5329 | .13648 | 14.71 | -.09461 | .13002  |

Sample Name: K2869-09      Acquired: 5/17/2019 15:53:41      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ROCKY-SOIL      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 56.093 |
| Stddev | .287   |
| %RSD   | .51166 |

|    |        |
|----|--------|
| #1 | 56.327 |
| #2 | 55.773 |
| #3 | 56.178 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5142.6 | 62052. | 5984.8 | 59.998 | 4206.4 |
| Stddev    | 5.1    | 104.   | 2.0    | .650   | 11.5   |
| %RSD      | .09935 | .16797 | .03304 | 1.0833 | .27361 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5138.6 | 61931. | 5984.3 | 59.255 | 4197.5 |
| #2 | 5140.8 | 62114. | 5983.0 | 60.274 | 4202.4 |
| #3 | 5148.3 | 62110. | 5986.9 | 60.464 | 4219.4 |

Sample Name: K2869-09DUP      Acquired: 5/17/2019 15:57:57      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ROCKY-SOILDU      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   | -.04011 | .02831 | .00318 | -.00067 | 75.777  | .44052  | .00896  |
| Stddev | .00139   | .00086  | .00181 | .00197 | .00157  | .262    | .00221  | .00013  |
| %RSD   | 69.760   | 2.1367  | 6.3925 | 61.857 | 233.91  | .34604  | .50250  | 1.4315  |
| #1     | .00359   | -.03995 | .02793 | .00091 | -.00077 | 75.644  | .43993  | .00900  |
| #2     | .00109   | -.03934 | .02672 | .00429 | -.00219 | 76.079  | .44297  | .00906  |
| #3     | .00130   | -.04103 | .03028 | .00435 | .00095  | 75.608  | .43866  | .00881  |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00369  | 75.553  | .13917 | .11665 | .48157  | 176.43  | 1.8779  | 56.823  |
| Stddev | .00004   | .198    | .00128 | .00064 | .00119  | .69     | .0057   | .138    |
| %RSD   | 1.0015   | .26190  | .91912 | .55286 | .24656  | .38972  | .30379  | .24315  |
| #1     | -.00369  | 75.399  | .14019 | .11627 | .48038  | 177.05  | 1.8811  | 56.693  |
| #2     | -.00365  | 75.484  | .13958 | .11740 | .48158  | 175.69  | 1.8813  | 56.968  |
| #3     | -.00372  | 75.776  | .13773 | .11629 | .48275  | 176.56  | 1.8713  | 56.807  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .13662   | -.00961 | 1.9683 | .22673 | .39794  | 29.120  | .00726  | -.03824 |
| Stddev | .00103   | .00027  | .0080  | .00038 | .00042  | .087    | .00021  | .01128  |
| %RSD   | .75113   | 2.8012  | .40624 | .16613 | .10656  | .29961  | 2.9054  | 29.510  |
| #1     | .13740   | -.00930 | 1.9593 | .22630 | .39819  | 29.121  | .00701  | -.03269 |
| #2     | .13702   | -.00973 | 1.9746 | .22698 | .39817  | 29.206  | .00740  | -.05122 |
| #3     | .13546   | -.00979 | 1.9709 | .22692 | .39745  | 29.031  | .00736  | -.03080 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361 | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | F 17.818 | 8.1113  | .00378 | 7.4316 | .13288  | F 15.70 | -.09267 | <.00000 |
| Stddev | .043     | .0963   | .00038 | .0153  | .00167  | .05     | .00096  | .12891  |
| %RSD   | .24309   | 1.1867  | 10.008 | .20623 | 1.2537  | .3245   | 1.0306  | 153.25  |
| #1     | 17.768   | 8.1975  | .00403 | 7.4416 | .13374  | 15.64   | -.09370 | .04305  |
| #2     | 17.837   | 8.0074  | .00335 | 7.4140 | .13095  | 15.71   | -.09181 | -.08070 |
| #3     | 17.848   | 8.1291  | .00396 | 7.4392 | .13393  | 15.74   | -.09250 | -.21470 |

Sample Name: K2869-09DUP      Acquired: 5/17/2019 15:57:57      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ROCKY-SOILDU      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 56.130 |
| Stddev | .391   |
| %RSD   | .69703 |

|    |        |
|----|--------|
| #1 | 56.162 |
| #2 | 55.723 |
| #3 | 56.503 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5203.3 | 62726. | 5952.6 | 58.896 | 4217.9 |
| Stddev    | 1.1    | 198.   | 25.4   | .852   | 3.0    |
| %RSD      | .02187 | .31545 | .42749 | 1.4463 | .07162 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5204.3 | 62532. | 5929.2 | 59.619 | 4214.8 |
| #2 | 5202.1 | 62717. | 5979.7 | 57.957 | 4220.9 |
| #3 | 5203.6 | 62928. | 5949.0 | 59.112 | 4217.9 |

Sample Name: K2869-09LX5      Acquired: 5/17/2019 16:02:14      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00106 | -.00701 | .00907 | .00581 | -.00117 | 16.968 | .09906 | .00196 |
| Stddev | .00066 | .00131  | .00021 | .00121 | .00117  | .077   | .00072 | .00007 |
| %RSD   | 62.689 | 18.665  | 2.2613 | 20.763 | 99.852  | .45459 | .72425 | 3.6669 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00112 | -.00733 | .00928 | .00706 | -.00007 | 17.038 | .09868 | .00188 |
| #2 | .00169 | -.00557 | .00887 | .00572 | -.00105 | 16.885 | .09989 | .00199 |
| #3 | .00037 | -.00813 | .00907 | .00465 | -.00240 | 16.980 | .09862 | .00201 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00221 | 17.966 | .03319 | .02362 | .11619 | 46.987 | .44848 | 13.134 |
| Stddev | .00006  | .040   | .00039 | .00038 | .00090 | .139   | .00097 | .085   |
| %RSD   | 2.8480  | .22347 | 1.1805 | 1.6269 | .77618 | .29557 | .21574 | .64745 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00223 | 17.925 | .03286 | .02325 | .11633 | 46.872 | .44796 | 13.065 |
| #2 | -.00215 | 18.005 | .03363 | .02402 | .11701 | 46.948 | .44789 | 13.229 |
| #3 | -.00227 | 17.967 | .03309 | .02360 | .11523 | 47.141 | .44960 | 13.107 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .02751 | -.00129 | .49339 | .05314 | .07405 | 6.6186 | .00147 | -.00102 |
| Stddev | .00041 | .00031  | .00505 | .00067 | .00074 | .0076  | .00027 | .01305  |
| %RSD   | 1.4722 | 24.273  | 1.0237 | 1.2634 | 1.0058 | .11405 | 18.697 | 1277.4  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .02715 | -.00097 | .48778 | .05273 | .07441 | 6.6232 | .00166 | .01402  |
| #2 | .02795 | -.00159 | .49480 | .05277 | .07455 | 6.6099 | .00115 | -.00926 |
| #3 | .02743 | -.00133 | .49758 | .05391 | .07319 | 6.6228 | .00158 | -.00783 |

|        |        |        |         |        |        |        |         |        |
|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 3.4155 | 1.9312 | -.00115 | 1.7396 | .02912 | 3.081  | -.02848 | 2.2296 |
| Stddev | .0255  | .0146  | .00010  | .0091  | .00077 | .015   | .00026  | .0694  |
| %RSD   | .74747 | .75575 | 8.9793  | .52012 | 2.6561 | .4836  | .91706  | 3.1131 |

|    |        |        |         |        |        |       |         |        |
|----|--------|--------|---------|--------|--------|-------|---------|--------|
| #1 | 3.4137 | 1.9334 | -.00106 | 1.7309 | .02833 | 3.077 | -.02841 | 2.2457 |
| #2 | 3.4419 | 1.9157 | -.00126 | 1.7490 | .02915 | 3.097 | -.02827 | 2.2896 |
| #3 | 3.3909 | 1.9446 | -.00112 | 1.7389 | .02987 | 3.068 | -.02878 | 2.1536 |

Sample Name: K2869-09LX5      Acquired: 5/17/2019 16:02:14      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 13.298 |
| Stddev | .546   |
| %RSD   | 4.1075 |

|    |        |
|----|--------|
| #1 | 12.668 |
| #2 | 13.620 |
| #3 | 13.608 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4734.8 | 56932. | 5199.2 | 60.944 | 4630.9 |
| Stddev    | 9.6    | 139.   | 7.9    | 2.026  | 6.7    |
| %RSD      | .20367 | .24376 | .15206 | 3.3240 | .14432 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4727.1 | 56793. | 5208.4 | 62.308 | 4631.8 |
| #2 | 4731.8 | 57070. | 5194.7 | 61.908 | 4623.7 |
| #3 | 4745.6 | 56932. | 5194.7 | 58.617 | 4637.0 |

Sample Name: K2869-09MS      Acquired: 5/17/2019 16:06:37      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ROCKY-SOILMS      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |          |        |         |        |        |
|--------|----------|--------|--------|----------|--------|---------|--------|--------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960   | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    | ppm    |
| Avg    | .70596   | 1.9665 | 1.0382 | 1.7764   | .20581 | 89.405  | .74432 | .18835 |
| Stddev | .00312   | .0079  | .0048  | .0069    | .00382 | .241    | .00328 | .00062 |
| %RSD   | .44264   | .40340 | .45919 | .38597   | 1.8545 | .26979  | .44083 | .32966 |
| #1     | .70333   | 1.9682 | 1.0394 | 1.7757   | .20533 | 89.523  | .74672 | .18906 |
| #2     | .70514   | 1.9579 | 1.0330 | 1.7700   | .20226 | 89.128  | .74058 | .18804 |
| #3     | .70942   | 1.9734 | 1.0423 | 1.7836   | .20985 | 89.565  | .74566 | .18794 |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286   | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    | ppm    |
| Avg    | .19533   | 75.600 | .62022 | .33160   | .65489 | 201.20  | 2.1671 | 68.257 |
| Stddev | .00024   | .238   | .00206 | .00099   | .00431 | .70     | .0097  | .257   |
| %RSD   | .12049   | .31505 | .33170 | .29799   | .65808 | .34729  | .44588 | .37620 |
| #1     | .19544   | 75.565 | .62249 | .33189   | .65438 | 202.00  | 2.1782 | 68.108 |
| #2     | .19549   | 75.380 | .61848 | .33049   | .65086 | 200.70  | 2.1610 | 68.553 |
| #3     | .19506   | 75.853 | .61970 | .33240   | .65943 | 200.90  | 2.1620 | 68.109 |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924   | Zn2138 | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    | ppm    |
| Avg    | .63803   | .05323 | 4.9480 | .55957   | .65695 | 45.053  | .36348 | .21204 |
| Stddev | .00196   | .00024 | .0092  | .00082   | .00112 | .096    | .00241 | .00777 |
| %RSD   | .30643   | .45690 | .18641 | .14742   | .16995 | .21341  | .66343 | 3.6633 |
| #1     | .63747   | .05305 | 4.9583 | .55875   | .65575 | 45.035  | .36209 | .21928 |
| #2     | .63642   | .05351 | 4.9406 | .55956   | .65796 | 44.967  | .36208 | .21300 |
| #3     | .64021   | .05314 | 4.9451 | .56040   | .65715 | 45.157  | .36626 | .20383 |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361   | Li6707 | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    | ppm    |
| Avg    | F 13.078 | 7.3247 | .68832 | F 10.142 | .34328 | F 17.29 | .04591 | .90909 |
| Stddev | .041     | .0321  | .00389 | .034     | .00152 | .03     | .00078 | .06905 |
| %RSD   | .30967   | .43761 | .56487 | .33081   | .44326 | .2000   | 1.6989 | 7.5957 |
| #1     | 13.065   | 7.2891 | .68530 | 10.135   | .34256 | 17.30   | .04567 | .89570 |
| #2     | 13.045   | 7.3340 | .68695 | 10.112   | .34226 | 17.33   | .04528 | .98386 |
| #3     | 13.123   | 7.3511 | .69271 | 10.178   | .34503 | 17.26   | .04678 | .84772 |

Sample Name: K2869-09MS      Acquired: 5/17/2019 16:06:37      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ROCKY-SOILMS Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 60.701 |
| Stddev | .630   |
| %RSD   | 1.0380 |

|    |        |
|----|--------|
| #1 | 59.994 |
| #2 | 60.909 |
| #3 | 61.202 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5010.2 | 60609. | 5733.2 | 58.888 | 4135.6 |
| Stddev    | 7.1    | 306.   | 28.4   | 1.193  | 5.7    |
| %RSD      | .14234 | .50458 | .49537 | 2.0262 | .13837 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5011.0 | 60260. | 5702.1 | 57.707 | 4141.5 |
| #2 | 5016.9 | 60737. | 5757.8 | 58.863 | 4130.0 |
| #3 | 5002.7 | 60831. | 5739.7 | 60.093 | 4135.3 |

Sample Name: CCV05      Acquired: 5/17/2019 16:10:55      Type: Unk  
Method: P4-ICP2(v3131)      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    | 5.0461 | 4.9929 | 4.9336 | 5.0728 | 5.0814 | 9.8166 | 10.080 | .25052   |
| Stddev | .0108  | .0135  | .0160  | .0101  | .0091  | .0367  | .061   | .00035   |
| %RSD   | .21352 | .27049 | .32480 | .19816 | .17855 | .37439 | .60548 | .14093   |
| #1     | 5.0574 | 5.0084 | 4.9517 | 5.0702 | 5.0844 | 9.8303 | 10.060 | .25028   |
| #2     | 5.0450 | 4.9872 | 4.9214 | 5.0839 | 5.0885 | 9.7750 | 10.031 | .25036   |
| #3     | 5.0359 | 4.9832 | 4.9276 | 5.0643 | 5.0711 | 9.8446 | 10.148 | .25093   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4508 | 25.410 | .98720 | 2.4785 | 1.2505 | 4.9791 | 2.4309 | 24.742   |
| Stddev | .0053  | .137   | .00279 | .0016  | .0016  | .0104  | .0087  | .036     |
| %RSD   | .21432 | .53865 | .28305 | .06339 | .13076 | .20816 | .35818 | .14618   |
| #1     | 2.4568 | 25.311 | .98470 | 2.4799 | 1.2511 | 4.9708 | 2.4241 | 24.702   |
| #2     | 2.4475 | 25.352 | .98669 | 2.4789 | 1.2518 | 4.9757 | 2.4279 | 24.750   |
| #3     | 2.4480 | 25.566 | .99022 | 2.4768 | 1.2487 | 4.9907 | 2.4408 | 24.773   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4532 | 1.2451 | 24.993 | 2.5041 | 2.4932 | 24.468 | 4.9911 | 4.8633   |
| Stddev | .0023  | .0017  | .103   | .0034  | .0052  | .153   | .0119  | .0148    |
| %RSD   | .09303 | .13698 | .41317 | .13724 | .20676 | .62408 | .23828 | .30431   |
| #1     | 2.4558 | 1.2437 | 24.960 | 2.5035 | 2.4986 | 24.525 | 4.9929 | 4.8804   |
| #2     | 2.4523 | 1.2470 | 24.910 | 2.5010 | 2.4883 | 24.295 | 5.0021 | 4.8550   |
| #3     | 2.4516 | 1.2446 | 25.108 | 2.5078 | 2.4927 | 24.585 | 4.9785 | 4.8545   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0423 | 4.8798 | 4.9479 | 5.0160 | 4.8730 | 5.096  | 4.8922 | F 3.6785 |
| Stddev | .0174  | .0265  | .0095  | .0111  | .0185  | .004   | .0181  | .0750    |
| %RSD   | .34416 | .54321 | .19235 | .22035 | .37886 | .0773  | .36949 | 2.0385   |
| #1     | 5.0570 | 4.8539 | 4.9543 | 5.0184 | 4.8739 | 5.100  | 4.8774 | 3.7651   |
| #2     | 5.0232 | 4.9069 | 4.9525 | 5.0039 | 4.8541 | 5.093  | 4.8869 | 3.6332   |
| #3     | 5.0469 | 4.8785 | 4.9370 | 5.0256 | 4.8910 | 5.094  | 4.9123 | 3.6373   |

Sample Name: CCV05      Acquired: 5/17/2019 16:10:55      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.4167  
Stddev      .4108  
%RSD      16.997

#1      1.9537  
#2      2.7374  
#3      2.5589

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4471.6 | 53285. | 4948.8 | 58.493 | 4338.7 |
| Stddev    | 14.0   | 176.   | 2.5    | 1.533  | 12.1   |
| %RSD      | .31340 | .33076 | .05073 | 2.6202 | .27917 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4462.6 | 53139. | 4950.4 | 59.764 | 4325.4 |
| #2 | 4464.6 | 53481. | 4950.1 | 56.791 | 4341.6 |
| #3 | 4487.8 | 53234. | 4945.9 | 58.923 | 4349.0 |

Sample Name: CCB05      Acquired: 5/17/2019 16:15:02      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00169   | .00051  | F .00459 | .00253  | .00031  | -.03803 | .00134  | .00006   |
| Stddev | .00213   | .00006  | .00079   | .00298  | .00128  | .00487  | .00025  | .00003   |
| %RSD   | 125.45   | 12.734  | 17.274   | 117.78  | 417.67  | 12.811  | 18.863  | 47.360   |
| #1     | .00077   | .00055  | .00444   | .00088  | .00114  | -.03889 | .00130  | .00009   |
| #2     | .00019   | .00044  | .00389   | .00598  | -.00116 | -.03279 | .00161  | .00003   |
| #3     | .00413   | .00055  | .00545   | .00075  | .00094  | -.04242 | .00111  | .00006   |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004   | .00708  | .00008   | .00014  | -.00102 | .00005  | -.00033 | -.02809  |
| Stddev | .00006   | .01049  | .00014   | .00009  | .00018  | .00052  | .00003  | .02217   |
| %RSD   | 139.40   | 148.09  | 170.66   | 67.109  | 17.338  | 1049.7  | 10.122  | 78.945   |
| #1     | .00010   | .01315  | .00022   | .00017  | -.00096 | .00023  | -.00037 | -.02366  |
| #2     | .00004   | .01313  | .00008   | .00003  | -.00122 | .00045  | -.00032 | -.00846  |
| #3     | -.00002  | -.00503 | -.00006  | .00021  | -.00088 | -.00054 | -.00031 | -.05214  |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00041   | .00000  | .06026   | .00035  | -.00074 | .17103  | .00013  | -.00033  |
| Stddev | .00016   | .00032  | .00264   | .00033  | .00008  | .04285  | .00030  | .00231   |
| %RSD   | 38.229   | 14307.  | 4.3877   | 95.153  | 10.334  | 25.055  | 221.02  | 704.63   |
| #1     | .00037   | .00005  | .06000   | .00039  | -.00065 | .21968  | .00007  | .00007   |
| #2     | .00059   | -.00034 | .06303   | -.00000 | -.00078 | .15454  | .00046  | -.00281  |
| #3     | .00028   | .00029  | .05776   | .00065  | -.00078 | .13887  | -.00012 | .00176   |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .00767 | .00037  | -.00108  | -.00102 | -.00127 | -.0015  | -.00042 | F 2.5836 |
| Stddev | .00164   | .00242  | .00083   | .00217  | .00071  | .0005   | .00009  | .1214    |
| %RSD   | 21.442   | 658.13  | 76.507   | 212.93  | 55.808  | 34.75   | 21.446  | 4.6988   |
| #1     | .00628   | .00315  | -.00048  | -.00089 | -.00138 | -.0012  | -.00037 | 2.5645   |
| #2     | .00948   | -.00089 | -.00074  | .00108  | -.00192 | -.0013  | -.00037 | 2.4729   |
| #3     | .00724   | -.00116 | -.00203  | -.00325 | -.00051 | -.0022  | -.00052 | 2.7135   |

Sample Name: CCB05      Acquired: 5/17/2019 16:15:02      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .48998  
Stddev      .16279  
%RSD      33.224

#1      .63062  
#2      .52767  
#3      .31165

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4665.2 | 56295. | 5011.4 | 61.769 | 4940.4 |
| Stddev    | 12.3   | 16.    | 25.7   | .339   | 2.3    |
| %RSD      | .26272 | .02800 | .51268 | .54873 | .04669 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4652.6 | 56310. | 5037.6 | 61.733 | 4941.1 |
| #2 | 4665.8 | 56296. | 5010.3 | 61.450 | 4942.2 |
| #3 | 4677.1 | 56279. | 4986.2 | 62.125 | 4937.8 |

Sample Name: K2869-09MSD      Acquired: 5/17/2019 16:19:30      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ROCKY-SOILMS      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |        |        |         |        |        |
|--------|----------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .71101   | 1.9613 | 1.0299 | 1.7943 | .21213 | 86.663  | .72845 | .18991 |
| Stddev | .00168   | .0045  | .0046  | .0015  | .00059 | .289    | .00497 | .00079 |
| %RSD   | .23634   | .22818 | .44481 | .08265 | .27970 | .33349  | .68174 | .41488 |
| #1     | .71034   | 1.9665 | 1.0351 | 1.7926 | .21280 | 86.946  | .73418 | .19082 |
| #2     | .70977   | 1.9588 | 1.0265 | 1.7955 | .21168 | 86.676  | .72581 | .18948 |
| #3     | .71292   | 1.9587 | 1.0280 | 1.7948 | .21190 | 86.368  | .72537 | .18943 |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .19517   | 74.032 | .57644 | .32492 | .66426 | 195.23  | 2.1193 | 67.349 |
| Stddev | .00048   | .210   | .00193 | .00138 | .00063 | .66     | .0053  | .335   |
| %RSD   | .24576   | .28424 | .33472 | .42577 | .09450 | .33847  | .24761 | .49730 |
| #1     | .19572   | 73.790 | .57787 | .32639 | .66496 | 194.47  | 2.1252 | 67.705 |
| #2     | .19497   | 74.143 | .57720 | .32365 | .66376 | 195.52  | 2.1152 | 67.041 |
| #3     | .19483   | 74.164 | .57424 | .32471 | .66405 | 195.70  | 2.1174 | 67.301 |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .63222   | .05495 | 4.9867 | .55509 | .65173 | 44.038  | .36102 | .21684 |
| Stddev | .00038   | .00064 | .0295  | .00072 | .00135 | .155    | .00101 | .01014 |
| %RSD   | .05962   | 1.1604 | .59247 | .12943 | .20685 | .35225  | .27901 | 4.6768 |
| #1     | .63224   | .05563 | 5.0206 | .55446 | .65271 | 44.217  | .36219 | .20544 |
| #2     | .63259   | .05437 | 4.9667 | .55493 | .65229 | 43.942  | .36043 | .22020 |
| #3     | .63184   | .05484 | 4.9727 | .55587 | .65019 | 43.954  | .36046 | .22487 |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | F 12.443 | 7.4774 | .68684 | 9.7418 | .33561 | F 16.58 | .05322 | 1.0731 |
| Stddev | .018     | .1475  | .00076 | .0506  | .00097 | .04     | .00057 | .0960  |
| %RSD   | .14606   | 1.9727 | .11058 | .51985 | .28919 | .2305   | 1.0742 | 8.9431 |
| #1     | 12.462   | 7.5501 | .68764 | 9.6834 | .33449 | 16.62   | .05298 | .97448 |
| #2     | 12.441   | 7.5744 | .68614 | 9.7735 | .33607 | 16.58   | .05387 | 1.0786 |
| #3     | 12.425   | 7.3076 | .68673 | 9.7685 | .33626 | 16.55   | .05281 | 1.1662 |

Sample Name: K2869-09MSD      Acquired: 5/17/2019 16:19:30      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ROCKY-SOILMS      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 58.875 |
| Stddev | .524   |
| %RSD   | .89028 |

|    |        |
|----|--------|
| #1 | 58.293 |
| #2 | 59.023 |
| #3 | 59.310 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4987.6 | 60549. | 5693.3 | 57.294 | 4161.4 |
| Stddev    | 15.2   | 152.   | 35.2   | 2.551  | 11.2   |
| %RSD      | .30476 | .25131 | .61875 | 4.4519 | .26927 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4970.6 | 60382. | 5733.9 | 58.156 | 4148.7 |
| #2 | 4992.6 | 60679. | 5674.6 | 54.424 | 4165.9 |
| #3 | 4999.7 | 60588. | 5671.3 | 59.303 | 4169.7 |

Sample Name: K2869-09A      Acquired: 5/17/2019 16:23:50      Type: Unk  
Method: P4-ICP2(v3131)      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    | .70067   | 1.9538 | 1.0301 | 1.7693   | .20588 | 88.150  | .73942 | .18931 |
| Stddev | .00360   | .0071  | .0036  | .0059    | .00209 | .302    | .00111 | .00060 |
| %RSD   | .51384   | .36217 | .34741 | .33185   | 1.0146 | .34266  | .15068 | .31526 |
| #1     | .70335   | 1.9462 | 1.0260 | 1.7724   | .20480 | 88.312  | .73840 | .18930 |
| #2     | .70209   | 1.9603 | 1.0325 | 1.7731   | .20828 | 88.337  | .73924 | .18872 |
| #3     | .69658   | 1.9549 | 1.0317 | 1.7626   | .20454 | 87.802  | .74061 | .18992 |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286   | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    | ppm    |
| Avg    | .19522   | 75.293 | .60789 | .32934   | .65280 | 199.33  | 2.1381 | 68.005 |
| Stddev | .00035   | .184   | .00143 | .00116   | .00077 | .28     | .0111  | .104   |
| %RSD   | .18090   | .24497 | .23594 | .35294   | .11830 | .14054  | .51837 | .15354 |
| #1     | .19544   | 75.126 | .60778 | .32799   | .65271 | 199.28  | 2.1340 | 68.057 |
| #2     | .19540   | 75.491 | .60652 | .32997   | .65361 | 199.63  | 2.1297 | 67.885 |
| #3     | .19481   | 75.262 | .60938 | .33004   | .65207 | 199.08  | 2.1507 | 68.074 |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924   | Zn2138 | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    | ppm    |
| Avg    | .63475   | .05386 | 4.9373 | .55879   | .65558 | 44.525  | .36031 | .20989 |
| Stddev | .00140   | .00039 | .0171  | .00087   | .00102 | .156    | .00063 | .00287 |
| %RSD   | .22030   | .71549 | .34704 | .15600   | .15523 | .35009  | .17469 | 1.3677 |
| #1     | .63325   | .05342 | 4.9482 | .55890   | .65486 | 44.625  | .36053 | .20691 |
| #2     | .63602   | .05401 | 4.9461 | .55960   | .65675 | 44.605  | .36081 | .21012 |
| #3     | .63496   | .05415 | 4.9176 | .55787   | .65514 | 44.346  | .35961 | .21264 |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361   | Li6707 | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    | ppm    |
| Avg    | F 12.875 | 7.4492 | .68502 | F 10.004 | .33880 | F 17.11 | .04601 | 1.1782 |
| Stddev | .061     | .0701  | .00172 | .021     | .00215 | .04     | .00082 | .0581  |
| %RSD   | .47744   | .94109 | .25125 | .20964   | .63547 | .2084   | 1.7891 | 4.9335 |
| #1     | 12.821   | 7.4027 | .68343 | 9.9959   | .33706 | 17.09   | .04681 | 1.2425 |
| #2     | 12.942   | 7.4150 | .68685 | 10.028   | .34121 | 17.15   | .04603 | 1.1629 |
| #3     | 12.862   | 7.5298 | .68478 | 9.9879   | .33812 | 17.09   | .04517 | 1.1293 |

Sample Name: K2869-09A      Acquired: 5/17/2019 16:23:50      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 60.888 |
| Stddev | .675   |
| %RSD   | 1.1087 |

|    |        |
|----|--------|
| #1 | 60.183 |
| #2 | 60.953 |
| #3 | 61.528 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5013.9 | 60923. | 5762.3 | 58.143 | 4139.8 |
| Stddev    | 15.0   | 111.   | 4.2    | 1.551  | 3.9    |
| %RSD      | .29937 | .18246 | .07241 | 2.6677 | .09440 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4996.6 | 60813. | 5758.8 | 59.529 | 4135.3 |
| #2 | 5024.2 | 61035. | 5766.9 | 58.433 | 4142.4 |
| #3 | 5020.7 | 60922. | 5761.1 | 56.467 | 4141.7 |

Sample Name: K2869-13      Acquired: 5/17/2019 16:28:09      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CONCRETE-MAN      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |        |        |        |
|--------|----------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04644   | -.02460 | .03132  | -.00426 | -.00440 | 121.62 | .96946 | .01894 |
| Stddev | .00156   | .00074  | .00091  | .00267  | .00248  | .72    | .00586 | .00005 |
| %RSD   | 3.3672   | 3.0272  | 2.9200  | 62.699  | 56.239  | .59326 | .60403 | .25830 |
| #1     | .04789   | -.02529 | .03046  | -.00236 | -.00261 | 122.38 | .97591 | .01899 |
| #2     | .04478   | -.02471 | .03228  | -.00310 | -.00337 | 121.52 | .96800 | .01893 |
| #3     | .04666   | -.02381 | .03122  | -.00731 | -.00723 | 120.95 | .96448 | .01889 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00100  | 1375.7  | .20264  | .01901  | .05532  | 75.314 | 4.5391 | 387.23 |
| Stddev | .00012   | 11.6    | .00028  | .00036  | .00019  | .340   | .0039  | 2.06   |
| %RSD   | 12.075   | .84168  | .13594  | 1.9122  | .34102  | .45149 | .08557 | .53116 |
| #1     | -.00113  | 1365.6  | .20237  | .01863  | .05511  | 75.382 | 4.5433 | 389.43 |
| #2     | -.00089  | 1388.3  | .20292  | .01906  | .05537  | 74.945 | 4.5383 | 386.90 |
| #3     | -.00100  | 1373.1  | .20262  | .01935  | .05547  | 75.615 | 4.5356 | 385.35 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .08198   | -.00760 | 1.9266  | .19358  | .15140  | 7.0561 | .00574 | .24558 |
| Stddev | .00058   | .00017  | .0032   | .00043  | .00066  | .0473  | .00032 | .01289 |
| %RSD   | .71316   | 2.1867  | .16850  | .22162  | .43587  | .67090 | 5.6195 | 5.2469 |
| #1     | .08239   | -.00742 | 1.9238  | .19392  | .15065  | 7.0677 | .00549 | .25727 |
| #2     | .08131   | -.00763 | 1.9302  | .19372  | .15188  | 7.0965 | .00562 | .24771 |
| #3     | .08224   | -.00775 | 1.9258  | .19310  | .15168  | 7.0040 | .00610 | .23177 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 67.364 | .61537  | -.01555 | 4.2264  | .11849  | 2.894  | 1.4047 | 3.8172 |
| Stddev | .102     | .00509  | .00131  | .0092   | .00105  | .011   | .0022  | .1438  |
| %RSD   | .15177   | .82633  | 8.4293  | .21720  | .88661  | .3707  | .15947 | 3.7667 |
| #1     | 67.251   | .61775  | -.01686 | 4.2292  | .11731  | 2.891  | 1.4021 | 3.8686 |
| #2     | 67.391   | .61884  | -.01553 | 4.2161  | .11932  | 2.885  | 1.4062 | 3.9281 |
| #3     | 67.450   | .60954  | -.01424 | 4.2338  | .11884  | 2.906  | 1.4058 | 3.6547 |

Sample Name: K2869-13      Acquired: 5/17/2019 16:28:09      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CONCRETE-MAN Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 25.910 |
| Stddev | .194   |
| %RSD   | .74858 |

|    |        |
|----|--------|
| #1 | 25.850 |
| #2 | 26.127 |
| #3 | 25.753 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4297.7 | 52367. | 5375.3 | 50.638 | 3437.4 |
| Stddev    | 2.8    | 278.   | 10.2   | 1.622  | 6.5    |
| %RSD      | .06405 | .52993 | .18991 | 3.2035 | .19008 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4294.5 | 52101. | 5387.1 | 52.483 | 3442.0 |
| #2 | 4298.7 | 52346. | 5369.5 | 49.993 | 3429.9 |
| #3 | 4299.7 | 52655. | 5369.3 | 49.437 | 3440.2 |

Sample Name: K2880-01      Acquired: 5/17/2019 16:32:58      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 339-RBR-2516      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .14033 | -.02358 | 1.3400 | .00102 | -.00017 | 125.37 | .83020 | .01697 |
| Stddev | .00276 | .00199  | .0032  | .00074 | .00225  | .45    | .00374 | .00011 |
| %RSD   | 1.9691 | 8.4364  | .23603 | 73.160 | 1303.6  | .36127 | .45009 | .62549 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .14000 | -.02587 | 1.3427 | .00061 | .00110  | 125.89 | .83195 | .01703 |
| #2 | .14325 | -.02251 | 1.3365 | .00056 | .00115  | 125.11 | .82591 | .01704 |
| #3 | .13775 | -.02235 | 1.3409 | .00187 | -.00277 | 125.10 | .83275 | .01685 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00679 | 65.853 | .26589 | .14367 | .67360 | 200.48 | 6.2051 | 78.059 |
| Stddev | .00011 | .303   | .00127 | .00068 | .00150 | .55    | .0153  | .182   |
| %RSD   | 1.6113 | .46028 | .47600 | .47318 | .22326 | .27273 | .24569 | .23333 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00668 | 65.557 | .26608 | .14431 | .67519 | 200.13 | 6.1951 | 78.025 |
| #2 | .00680 | 66.163 | .26454 | .14296 | .67220 | 201.11 | 6.2227 | 77.895 |
| #3 | .00690 | 65.838 | .26705 | .14375 | .67341 | 200.19 | 6.1976 | 78.255 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .24413 | -.00777 | 14.119 | .52738 | 4.0932 | 25.531 | .00857 | -.02079 |
| Stddev | .00047 | .00036  | .049   | .00246 | .0058  | .113   | .00018 | .00343  |
| %RSD   | .19202 | 4.5921  | .34886 | .46679 | .14089 | .44193 | 2.0576 | 16.495  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .24385 | -.00759 | 14.167 | .52539 | 4.0998 | 25.573 | .00843 | -.01868 |
| #2 | .24467 | -.00754 | 14.069 | .52661 | 4.0890 | 25.617 | .00852 | -.02474 |
| #3 | .24388 | -.00819 | 14.122 | .53013 | 4.0909 | 25.403 | .00877 | -.01894 |

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 1.6255 | 3.6753 | .05870 | 4.8779 | .18003 | F 10.66 | .11795 | <.00000 |
| Stddev | .0026  | .0565  | .00053 | .0087  | .00060 | .04     | .00099 | .12990  |
| %RSD   | .15869 | 1.5371 | .89719 | .17917 | .33409 | .3718   | .84035 | 39.555  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 1.6226 | 3.6783 | .05891 | 4.8679 | .17998 | 10.69 | .11814 | -.18378 |
| #2 | 1.6264 | 3.7303 | .05909 | 4.8819 | .18065 | 10.62 | .11883 | -.36628 |
| #3 | 1.6274 | 3.6174 | .05810 | 4.8839 | .17945 | 10.66 | .11687 | -.43517 |

Sample Name: K2880-01      Acquired: 5/17/2019 16:32:58      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 339-RBR-2516      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      65.736  
 Stddev      1.297  
 %RSD      1.9729

#1      64.868  
 #2      65.112  
 #3      67.226

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5271.6 | 63951. | 6179.2 | 58.315 | 4100.0 |
| Stddev    | 5.0    | 117.   | 41.1   | 2.520  | 6.5    |
| %RSD      | .09442 | .18354 | .66565 | 4.3218 | .15961 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5271.8 | 63862. | 6188.3 | 55.406 | 4099.4 |
| #2 | 5276.5 | 63906. | 6134.3 | 59.838 | 4106.9 |
| #3 | 5266.5 | 64084. | 6215.1 | 59.702 | 4093.8 |

Sample Name: K2881-01      Acquired: 5/17/2019 16:37:32      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-PS-01-047      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .09114 | .00326 | .10434 | .00589 | .00048 | 75.645 | .19189 | .00741 |
| Stddev | .00138 | .00129 | .00175 | .00117 | .00043 | .045   | .00031 | .00012 |
| %RSD   | 1.5177 | 39.460 | 1.6759 | 19.907 | 89.862 | .05996 | .16399 | 1.5611 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .09077 | .00275 | .10547 | .00680 | -.00000 | 75.678 | .19225 | .00751 |
| #2 | .08997 | .00473 | .10523 | .00630 | .00083  | 75.594 | .19167 | .00744 |
| #3 | .09267 | .00231 | .10233 | .00456 | .00060  | 75.664 | .19176 | .00729 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00470 | 16.815 | .21006 | .01126 | .11714 | 165.67 | .81439 | 3.8609 |
| Stddev | .00008  | .014   | .00020 | .00015 | .00037 | .38    | .00088 | .0121  |
| %RSD   | 1.7288  | .08185 | .09456 | 1.3071 | .31905 | .22992 | .10813 | .31320 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00479 | 16.830 | .21029 | .01126 | .11678 | 165.72 | .81448 | 3.8571 |
| #2 | -.00466 | 16.811 | .20997 | .01142 | .11753 | 165.27 | .81523 | 3.8745 |
| #3 | -.00465 | 16.804 | .20992 | .01112 | .11711 | 166.03 | .81348 | 3.8513 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02506 | -.00259 | .38512 | .41357 | .19693 | 4.7713 | .00823 | .00298 |
| Stddev | .00033 | .00035  | .00667 | .00125 | .00038 | .0253  | .00021 | .00820 |
| %RSD   | 1.3173 | 13.459  | 1.7330 | .30175 | .19228 | .52921 | 2.6037 | 275.51 |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .02539 | -.00234 | .38358 | .41272 | .19651 | 4.7446 | .00798 | .00217  |
| #2 | .02506 | -.00245 | .37936 | .41300 | .19706 | 4.7745 | .00834 | .01155  |
| #3 | .02473 | -.00299 | .39243 | .41500 | .19724 | 4.7948 | .00836 | -.00479 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 2.5949 | 4.6351 | .00569 | .68167 | .01094 | 2.091  | -.09323 | 1.4515 |
| Stddev | .0050  | .0286  | .00142 | .00508 | .00080 | .002   | .00023  | .0437  |
| %RSD   | .19294 | .61807 | 24.937 | .74478 | 7.2725 | .0878  | .24387  | 3.0116 |

|    |        |        |        |        |        |       |         |        |
|----|--------|--------|--------|--------|--------|-------|---------|--------|
| #1 | 2.5953 | 4.6677 | .00577 | .68040 | .01139 | 2.089 | -.09339 | 1.4257 |
| #2 | 2.5998 | 4.6237 | .00423 | .68726 | .01002 | 2.091 | -.09297 | 1.5020 |
| #3 | 2.5898 | 4.6139 | .00707 | .67735 | .01142 | 2.093 | -.09333 | 1.4269 |

Sample Name: K2881-01      Acquired: 5/17/2019 16:37:32      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FK-PS-01-047      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 48.440 |
| Stddev | .433   |
| %RSD   | .89482 |

|    |        |
|----|--------|
| #1 | 48.881 |
| #2 | 48.424 |
| #3 | 48.015 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4923.7 | 59546. | 5598.7 | 61.821 | 4506.8 |
| Stddev    | .8     | 28.    | 23.8   | .626   | 3.9    |
| %RSD      | .01689 | .04754 | .42518 | 1.0128 | .08700 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4923.0 | 59514. | 5602.1 | 61.293 | 4509.6 |
| #2 | 4923.5 | 59561. | 5573.4 | 62.512 | 4508.4 |
| #3 | 4924.6 | 59565. | 5620.7 | 61.656 | 4502.3 |

Sample Name: K2896-03      Acquired: 5/17/2019 16:41:54      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-18-S      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |         |        |         |        |         |
|--------|----------|---------|----------|---------|--------|---------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203   | Se1960  | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .16107   | -.02510 | 2.7353   | -.03318 | .01057 | 103.16  | 5.0955 | .03129  |
| Stddev | .00142   | .00113  | .0047    | .00206  | .00123 | .62     | .0188  | .00022  |
| %RSD   | .88347   | 4.5008  | .17351   | 6.2150  | 11.680 | .59687  | .36819 | .70610  |
| #1     | .15955   | -.02497 | 2.7340   | -.03545 | .00994 | 102.47  | 5.0756 | .03127  |
| #2     | .16237   | -.02405 | 2.7313   | -.03141 | .00978 | 103.35  | 5.1128 | .03152  |
| #3     | .16129   | -.02630 | 2.7405   | -.03268 | .01199 | 103.66  | 5.0982 | .03108  |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .02370   | 444.10  | F 2.7504 | .14689  | 1.6889 | 366.58  | 23.419 | 118.39  |
| Stddev | .00030   | 1.96    | .0005    | .00089  | .0009  | 1.45    | .125   | .60     |
| %RSD   | 1.2623   | .44110  | .01977   | .60798  | .05464 | .39675  | .53506 | .50631  |
| #1     | .02340   | 443.60  | 2.7510   | .14642  | 1.6897 | 368.03  | 23.286 | 117.78  |
| #2     | .02372   | 442.44  | 2.7500   | .14633  | 1.6892 | 366.58  | 23.535 | 118.98  |
| #3     | .02400   | 446.26  | 2.7502   | .14792  | 1.6879 | 365.12  | 23.435 | 118.39  |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .91897   | -.01992 | 12.400   | .53145  | 5.7681 | 9.7582  | .06908 | .17451  |
| Stddev | .00589   | .00078  | .025     | .00175  | .0099  | .0321   | .00099 | .02344  |
| %RSD   | .64141   | 3.9076  | .20384   | .32892  | .17201 | .32883  | 1.4302 | 13.432  |
| #1     | .91505   | -.01999 | 12.379   | .53069  | 5.7568 | 9.7261  | .06889 | .16275  |
| #2     | .91611   | -.01911 | 12.428   | .53022  | 5.7718 | 9.7903  | .06820 | .20150  |
| #3     | .92575   | -.02066 | 12.392   | .53345  | 5.7756 | 9.7581  | .07015 | .15928  |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | F 20.084 | 2.4293  | .26419   | 5.0755  | .12123 | F 18.30 | .85708 | <.00000 |
| Stddev | .139     | .0342   | .00108   | .0076   | .00218 | .03     | .00846 | .12774  |
| %RSD   | .69366   | 1.4088  | .40833   | .15059  | 1.7978 | .1718   | .98716 | 15.066  |
| #1     | 19.956   | 2.4436  | .26295   | 5.0671  | .11940 | 18.27   | .85230 | -.71931 |
| #2     | 20.063   | 2.3902  | .26479   | 5.0821  | .12364 | 18.30   | .85209 | -.84952 |
| #3     | 20.233   | 2.4540  | .26484   | 5.0774  | .12066 | 18.33   | .86685 | -.97477 |

Sample Name: K2896-03      Acquired: 5/17/2019 16:41:54      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-18-S      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 140.22  
 Stddev      .64  
 %RSD      .45751

#1      139.65  
 #2      140.09  
 #3      140.91

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4987.8 | 61281. | 6122.8 | 55.259 | 3592.8 |
| Stddev    | 10.8   | 70.    | 31.6   | .840   | 9.0    |
| %RSD      | .21571 | .11410 | .51590 | 1.5192 | .24949 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4985.9 | 61248. | 6105.1 | 55.131 | 3602.4 |
| #2 | 4978.1 | 61233. | 6159.3 | 56.155 | 3584.7 |
| #3 | 4999.4 | 61361. | 6104.1 | 54.490 | 3591.3 |

Sample Name: K2896-07      Acquired: 5/17/2019 16:46:26      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-20-S      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06053  | -.00023 | .79401 | .02242 | -.00045 | 27.671 | 6.8470 | .00717 |
| Stddev | .00101  | .00193  | .00180 | .00321 | .00079  | .063   | .0315  | .00007 |
| %RSD   | 1.6619  | 835.57  | .22722 | 14.334 | 175.33  | .22821 | .45972 | .97470 |
| #1     | .05980  | .00178  | .79447 | .02486 | .00027  | 27.689 | 6.8181 | .00724 |
| #2     | .06011  | -.00206 | .79202 | .02362 | -.00129 | 27.722 | 6.8805 | .00717 |
| #3     | .06168  | -.00041 | .79554 | .01878 | -.00033 | 27.600 | 6.8424 | .00710 |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00219 | 38.895  | .21831 | .03447 | .39705  | 98.258 | 1.8669 | 6.7317 |
| Stddev | .00010  | .085    | .00041 | .00036 | .00174  | .530   | .0040  | .0577  |
| %RSD   | 4.3729  | .21785  | .18780 | 1.0549 | .43861  | .53894 | .21648 | .85717 |
| #1     | -.00223 | 38.803  | .21784 | .03467 | .39656  | 98.469 | 1.8692 | 6.6684 |
| #2     | -.00226 | 38.969  | .21862 | .03470 | .39560  | 98.649 | 1.8692 | 6.7812 |
| #3     | -.00208 | 38.913  | .21846 | .03405 | .39898  | 97.655 | 1.8622 | 6.7457 |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .12247  | -.00104 | 4.4478 | .14973 | 1.9840  | 4.5157 | .00928 | .05555 |
| Stddev | .00026  | .00019  | .0317  | .00018 | .0033   | .0289  | .00019 | .00608 |
| %RSD   | .20845  | 18.222  | .71357 | .11783 | .16797  | .63973 | 2.0208 | 10.955 |
| #1     | .12251  | -.00112 | 4.4233 | .14965 | 1.9846  | 4.5059 | .00913 | .06257 |
| #2     | .12271  | -.00118 | 4.4837 | .14961 | 1.9804  | 4.5482 | .00922 | .05213 |
| #3     | .12220  | -.00083 | 4.4365 | .14993 | 1.9870  | 4.4929 | .00949 | .05194 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.5047  | 1.1302  | .02550 | 1.1212 | .05253  | 3.363  | .69824 | 2.3984 |
| Stddev | .0113   | .0208   | .00097 | .0028  | .00051  | .015   | .00036 | .0864  |
| %RSD   | .20520  | 1.8380  | 3.8118 | .25112 | .98026  | .4393  | .05119 | 3.6026 |
| #1     | 5.5166  | 1.1064  | .02539 | 1.1211 | .05194  | 3.375  | .69842 | 2.3411 |
| #2     | 5.5034  | 1.1396  | .02459 | 1.1241 | .05289  | 3.347  | .69848 | 2.3563 |
| #3     | 5.4941  | 1.1445  | .02652 | 1.1184 | .05277  | 3.369  | .69783 | 2.4978 |

Sample Name: K2896-07      Acquired: 5/17/2019 16:46:26      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-20-S      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      29.259  
 Stddev      .242  
 %RSD      .82786

#1      29.151  
 #2      29.090  
 #3      29.537

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4706.1 | 57211. | 5348.4 | 62.373 | 4618.7 |
| Stddev    | 17.2   | 64.    | 10.2   | .715   | 13.4   |
| %RSD      | .36587 | .11112 | .19138 | 1.1468 | .29031 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4718.9 | 57216. | 5336.6 | 61.977 | 4625.2 |
| #2 | 4713.0 | 57145. | 5354.8 | 63.199 | 4627.6 |
| #3 | 4686.6 | 57272. | 5353.8 | 61.943 | 4603.3 |

Sample Name: K2900-02      Acquired: 5/17/2019 16:50:45      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P-2(0-10)      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |         |        |         |        |         |
|--------|----------|---------|--------|---------|--------|---------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .59840   | .00029  | 14.768 | -.01492 | .05020 | 91.433  | 6.7809 | .02965  |
| Stddev | .00486   | .00196  | .004   | .00233  | .00267 | .536    | .0353  | .00027  |
| %RSD   | .81195   | 670.46  | .02439 | 15.604  | 5.3179 | .58607  | .52129 | .92491  |
| #1     | .60145   | .00234  | 14.765 | -.01315 | .04892 | 91.927  | 6.8025 | .02983  |
| #2     | .60095   | .00009  | 14.772 | -.01406 | .05326 | 91.509  | 6.8000 | .02979  |
| #3     | .59280   | -.00156 | 14.767 | -.01756 | .04841 | 90.863  | 6.7401 | .02934  |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .08471   | 299.07  | .25841 | .13364  | 10.358 | 412.54  | 4.9937 | 22.364  |
| Stddev | .00082   | .52     | .00040 | .00034  | .010   | 2.32    | .0350  | .098    |
| %RSD   | .97121   | .17308  | .15336 | .25462  | .09686 | .56132  | .70144 | .43596  |
| #1     | .08399   | 298.57  | .25828 | .13334  | 10.355 | 414.74  | 5.0338 | 22.331  |
| #2     | .08561   | 299.04  | .25885 | .13401  | 10.368 | 412.77  | 4.9786 | 22.474  |
| #3     | .08454   | 299.60  | .25809 | .13356  | 10.349 | 410.12  | 4.9688 | 22.288  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .33150   | -.02491 | 39.435 | .41418  | 27.019 | 16.110  | .04196 | -.07943 |
| Stddev | .00077   | .00049  | .224   | .00075  | .036   | .156    | .00077 | .01420  |
| %RSD   | .23156   | 1.9845  | .56894 | .18080  | .13480 | .96896  | 1.8289 | 17.885  |
| #1     | .33197   | -.02434 | 39.584 | .41334  | 27.028 | 16.225  | .04127 | -.09507 |
| #2     | .33192   | -.02518 | 39.545 | .41445  | 27.050 | 16.173  | .04279 | -.07588 |
| #3     | .33061   | -.02522 | 39.177 | .41476  | 26.979 | 15.932  | .04181 | -.06733 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | F 30.454 | 3.4825  | 2.7956 | 1.5702  | .26167 | F 29.77 | 1.1186 | 1.3075  |
| Stddev | .040     | .0345   | .0093  | .0076   | .00111 | .09     | .0019  | .1208   |
| %RSD   | .13266   | .99222  | .33310 | .48328  | .42285 | .2934   | .16960 | 9.2358  |
| #1     | 30.483   | 3.4541  | 2.7921 | 1.5664  | .26282 | 29.86   | 1.1176 | 1.3356  |
| #2     | 30.408   | 3.4724  | 2.8062 | 1.5790  | .26155 | 29.77   | 1.1175 | 1.1751  |
| #3     | 30.472   | 3.5210  | 2.7886 | 1.5654  | .26062 | 29.69   | 1.1208 | 1.4117  |

Sample Name: K2900-02      Acquired: 5/17/2019 16:50:45      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P-2(0-10)      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 138.11 |
| Stddev | .96      |
| %RSD   | .69208   |

|    |        |
|----|--------|
| #1 | 137.34 |
| #2 | 137.81 |
| #3 | 139.18 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4541.9 | 55638. | 5447.9 | 57.013 | 3764.2 |
| Stddev    | .9     | 272.   | 5.4    | .819   | 1.3    |
| %RSD      | .01991 | .48937 | .10000 | 1.4366 | .03474 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4542.3 | 55406. | 5450.7 | 57.589 | 3762.8 |
| #2 | 4540.9 | 55570. | 5451.3 | 56.076 | 3764.6 |
| #3 | 4542.6 | 55938. | 5441.6 | 57.375 | 3765.3 |

Sample Name: K2905-01      Acquired: 5/17/2019 16:55:09      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T-3      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |         |         |
|--------|---------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00896  | -.00633 | .24126 | -.01978 | .00467 | 257.55 | 1.8272  | .02995  |
| Stddev | .00299  | .00069  | .00454 | .00286  | .00198 | .96    | .0115   | .00026  |
| %RSD   | 33.380  | 10.973  | 1.8803 | 14.449  | 42.389 | .37349 | .62676  | .85858  |
| #1     | .00615  | -.00684 | .24136 | -.01716 | .00454 | 256.77 | 1.8144  | .02994  |
| #2     | .00863  | -.00554 | .24575 | -.02282 | .00671 | 257.26 | 1.8310  | .02970  |
| #3     | .01210  | -.00662 | .23668 | -.01935 | .00276 | 258.63 | 1.8363  | .03021  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00072  | 12.203  | .32806 | .29525  | .19696 | 309.27 | 12.461  | 112.90  |
| Stddev | .00088  | .051    | .00063 | .00024  | .00180 | 7.88   | .102    | .88     |
| %RSD   | 122.42  | .41871  | .19352 | .08094  | .91209 | 2.5482 | .82219  | .78222  |
| #1     | .00068  | 12.145  | .32766 | .29505  | .19619 | 312.27 | 12.517  | 112.13  |
| #2     | .00161  | 12.239  | .32774 | .29551  | .19901 | 300.33 | 12.343  | 112.72  |
| #3     | -.00014 | 12.226  | .32879 | .29520  | .19568 | 315.21 | 12.524  | 113.87  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .62427  | -.01641 | 3.2772 | .36085  | 1.4942 | 27.498 | -.00034 | -.00283 |
| Stddev | .00154  | .00118  | .0259  | .00075  | .0045  | .067   | .00041  | .01115  |
| %RSD   | .24670  | 7.1847  | .79000 | .20911  | .29961 | .24338 | 119.39  | 393.68  |
| #1     | .62416  | -.01674 | 3.2486 | .36167  | 1.4930 | 27.444 | -.00059 | .00811  |
| #2     | .62586  | -.01739 | 3.2840 | .36069  | 1.4991 | 27.476 | .00013  | -.01417 |
| #3     | .62278  | -.01510 | 3.2990 | .36018  | 1.4904 | 27.573 | -.00056 | -.00244 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .88143  | 3.5532  | .02587 | 2.4749  | .82321 | 4.497  | -.21504 | <.00000 |
| Stddev | .00481  | .0609   | .00028 | .0111   | .00234 | .016   | .00879  | .04859  |
| %RSD   | .54522  | 1.7154  | 1.0670 | .44864  | .28428 | .3523  | 4.0878  | 118.65  |
| #1     | .88260  | 3.4985  | .02618 | 2.4624  | .82575 | 4.505  | -.21843 | -.02866 |
| #2     | .88555  | 3.6189  | .02565 | 2.4786  | .82275 | 4.508  | -.20506 | -.09450 |
| #3     | .87615  | 3.5422  | .02579 | 2.4836  | .82114 | 4.479  | -.22164 | .00032  |

Sample Name: K2905-01      Acquired: 5/17/2019 16:55:09      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T-3      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 102.37  
Stddev      .69  
%RSD      .67693

#1      103.14  
#2      102.20  
#3      101.78

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5029.8 | 60457. | 5932.1 | 57.020 | 3985.8 |
| Stddev    | 2.0    | 197.   | 32.5   | 1.550  | 4.0    |
| %RSD      | .04066 | .32539 | .54786 | 2.7188 | .10149 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5032.1 | 60429. | 5894.6 | 58.521 | 3984.1 |
| #2 | 5028.8 | 60666. | 5949.6 | 55.425 | 3982.9 |
| #3 | 5028.5 | 60276. | 5952.2 | 57.113 | 3990.4 |

Sample Name: K2905-05      Acquired: 5/17/2019 16:59:43      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: GIS-1      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |         |        |
|--------|---------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934  | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00238  | -.00755 | .24616 | -.01986 | .00545 | 271.00 | 2.2394  | .02660 |
| Stddev | .00390  | .00128  | .00361 | .00244  | .00058 | .96    | .0080   | .00012 |
| %RSD   | 164.11  | 17.014  | 1.4662 | 12.300  | 10.645 | .35506 | .35942  | .43375 |
| #1     | -.00012 | -.00678 | .24324 | -.02255 | .00503 | 269.97 | 2.2318  | .02647 |
| #2     | .00038  | -.00684 | .25019 | -.01922 | .00520 | 271.87 | 2.2478  | .02668 |
| #3     | .00688  | -.00903 | .24503 | -.01779 | .00611 | 271.15 | 2.2387  | .02666 |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00104 | 16.178  | .31261 | .33968  | .23613 | 330.89 | 15.963  | 99.942 |
| Stddev | .00022  | .175    | .00138 | .00170  | .00223 | .37    | .078    | .536   |
| %RSD   | 20.815  | 1.0793  | .44038 | .50098  | .94389 | .11189 | .49066  | .53601 |
| #1     | -.00122 | 15.977  | .31231 | .33783  | .23527 | 330.62 | 16.031  | 99.324 |
| #2     | -.00110 | 16.271  | .31141 | .34001  | .23445 | 331.31 | 15.980  | 100.22 |
| #3     | -.00080 | 16.287  | .31411 | .34119  | .23866 | 330.73 | 15.877  | 100.28 |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .61043  | -.01705 | 5.5442 | .36165  | 1.3944 | 23.450 | -.00048 | .08886 |
| Stddev | .00290  | .00026  | .0271  | .00108  | .0018  | .056   | .00016  | .01595 |
| %RSD   | .47537  | 1.5128  | .48959 | .29991  | .12823 | .24077 | 33.722  | 17.954 |
| #1     | .60724  | -.01686 | 5.5175 | .36213  | 1.3930 | 23.460 | -.00066 | .10526 |
| #2     | .61116  | -.01735 | 5.5717 | .36041  | 1.3964 | 23.501 | -.00034 | .07339 |
| #3     | .61290  | -.01696 | 5.5434 | .36242  | 1.3937 | 23.389 | -.00043 | .08794 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .36345  | 2.2066  | .01651 | 2.8669  | .80613 | 2.772  | -.22621 | .22873 |
| Stddev | .00546  | .0204   | .00070 | .0132   | .00341 | .014   | .00062  | .10359 |
| %RSD   | 1.5010  | .92404  | 4.2205 | .45890  | .42308 | .4971  | .27504  | 45.289 |
| #1     | .35749  | 2.2056  | .01673 | 2.8531  | .80222 | 2.762  | -.22666 | .16309 |
| #2     | .36467  | 2.1867  | .01573 | 2.8684  | .80774 | 2.766  | -.22647 | .17495 |
| #3     | .36820  | 2.2275  | .01707 | 2.8793  | .80844 | 2.788  | -.22550 | .34815 |

Sample Name: K2905-05      Acquired: 5/17/2019 16:59:43      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: GIS-1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 105.22 |
| Stddev | .23      |
| %RSD   | .21656   |

|    |        |
|----|--------|
| #1 | 105.34 |
| #2 | 105.37 |
| #3 | 104.96 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4910.4 | 58518. | 5657.8 | 57.982 | 3995.6 |
| Stddev    | 5.0    | 129.   | 6.9    | .664   | 11.4   |
| %RSD      | .10219 | .22087 | .12269 | 1.1459 | .28439 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4910.0 | 58415. | 5660.2 | 57.480 | 4006.8 |
| #2 | 4905.5 | 58475. | 5650.0 | 57.729 | 3984.1 |
| #3 | 4915.5 | 58663. | 5663.3 | 58.735 | 3995.9 |

Sample Name: CCV06      Acquired: 5/17/2019 17:04:16      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14970      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0394 | 4.9755 | 4.9289 | 5.0427 | 5.0624 | 9.8718 | 10.206 | .25615   |
| Stddev | .0237  | .0113  | .0054  | .0150  | .0080  | .4942  | .451   | .01364   |
| %RSD   | .47031 | .22705 | .11025 | .29733 | .15701 | 5.0066 | 4.4233 | 5.3267   |
| #1     | 5.0667 | 4.9877 | 4.9247 | 5.0382 | 5.0713 | 10.441 | 10.715 | .27164   |
| #2     | 5.0266 | 4.9734 | 4.9350 | 5.0595 | 5.0601 | 9.5547 | 9.8521 | .24594   |
| #3     | 5.0248 | 4.9654 | 4.9269 | 5.0305 | 5.0559 | 9.6195 | 10.052 | .25085   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4502 | 25.628 | 1.0087 | 2.4806 | 1.2520 | 5.0994 | 2.4767 | 25.026   |
| Stddev | .0029  | .107   | .0562  | .0028  | .0022  | .2844  | .1375  | 1.179    |
| %RSD   | .12044 | .41856 | 5.5724 | .11275 | .17487 | 5.5767 | 5.5512 | 4.7099   |
| #1     | 2.4492 | 25.562 | 1.0726 | 2.4805 | 1.2544 | 5.4215 | 2.6324 | 26.380   |
| #2     | 2.4536 | 25.571 | .96673 | 2.4835 | 1.2518 | 4.8833 | 2.3719 | 24.225   |
| #3     | 2.4479 | 25.752 | .98690 | 2.4779 | 1.2500 | 4.9932 | 2.4259 | 24.474   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4529 | 1.2648 | 25.555 | 2.5564 | 2.4881 | 24.810 | 4.9829 | 4.9036   |
| Stddev | .0035  | .0660  | 1.244  | .1409  | .0027  | 1.155  | .0120  | .2441    |
| %RSD   | .14267 | 5.2151 | 4.8665 | 5.5137 | .10652 | 4.6532 | .24061 | 4.9778   |
| #1     | 2.4534 | 1.3395 | 26.979 | 2.7166 | 2.4857 | 26.135 | 4.9937 | 5.1823   |
| #2     | 2.4561 | 1.2148 | 24.684 | 2.4515 | 2.4909 | 24.015 | 4.9849 | 4.7278   |
| #3     | 2.4492 | 1.2401 | 25.001 | 2.5011 | 2.4876 | 24.281 | 4.9700 | 4.8007   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9889 | 4.9556 | 4.9419 | 5.0301 | 4.8709 | 5.080  | 4.8569 | F 4.1293 |
| Stddev | .0113  | .0779  | .0101  | .0276  | .0338  | .015   | .0317  | .7974    |
| %RSD   | .22558 | 1.5724 | .20351 | .54769 | .69355 | .2934  | .65259 | 19.312   |
| #1     | 4.9968 | 4.9974 | 4.9401 | 5.0072 | 4.8490 | 5.084  | 4.8326 | 5.0285   |
| #2     | 4.9938 | 4.8657 | 4.9527 | 5.0224 | 4.8538 | 5.093  | 4.8455 | 3.5079   |
| #3     | 4.9760 | 5.0038 | 4.9329 | 5.0607 | 4.9098 | 5.064  | 4.8928 | 3.8516   |

Sample Name: CCV06      Acquired: 5/17/2019 17:04:16      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14970      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.7624 |
| Stddev | .2037    |
| %RSD   | 7.3737   |

|    |        |
|----|--------|
| #1 | 2.7696 |
| #2 | 2.9624 |
| #3 | 2.5552 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4456.3 | 52373. | 4898.2 | 58.035 | 4328.2 |
| Stddev    | 10.2   | 2504.  | 28.0   | .600   | 4.5    |
| %RSD      | .22831 | 4.7818 | .57248 | 1.0341 | .10466 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4444.5 | 49511. | 4913.0 | 58.648 | 4326.3 |
| #2 | 4461.4 | 54162. | 4915.8 | 58.007 | 4324.9 |
| #3 | 4462.8 | 53446. | 4865.9 | 57.449 | 4333.3 |

Sample Name: CCB06      Acquired: 5/17/2019 17:08:23      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14970      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |         |         |         |         |          |
|--------|----------|---------|----------|---------|---------|---------|---------|----------|
| Elem   | As1890   | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00205   | .00017  | F .00343 | .00148  | .00202  | -.04429 | .00133  | .00002   |
| Stddev | .00216   | .00012  | .00078   | .00245  | .00079  | .00760  | .00036  | .00005   |
| %RSD   | 104.95   | 69.785  | 22.712   | 166.25  | 39.189  | 17.160  | 27.229  | 227.56   |
| #1     | .00125   | .00014  | .00333   | .00338  | .00275  | -.03885 | .00091  | -.00002  |
| #2     | .00041   | .00031  | .00426   | -.00129 | .00215  | -.05297 | .00155  | .00001   |
| #3     | .00449   | .00008  | .00271   | .00234  | .00117  | -.04104 | .00154  | .00007   |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00006   | .01589  | .00034   | -.00005 | -.00104 | .00032  | -.00022 | .00035   |
| Stddev | .00003   | .00817  | .00044   | .00012  | .00040  | .00009  | .00005  | .07847   |
| %RSD   | 45.657   | 51.413  | 126.72   | 255.98  | 38.042  | 27.861  | 20.770  | 22735.   |
| #1     | .00009   | .00943  | .00013   | .00003  | -.00059 | .00040  | -.00024 | .06244   |
| #2     | .00003   | .02507  | .00085   | .00002  | -.00118 | .00032  | -.00017 | -.08784  |
| #3     | .00007   | .01317  | .00006   | -.00019 | -.00135 | .00023  | -.00025 | .02644   |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00004  | .00018  | .02559   | .00047  | .00013  | .11973  | .00015  | -.00315  |
| Stddev | .00020   | .00026  | .00389   | .00021  | .00013  | .00519  | .00023  | .00559   |
| %RSD   | 563.51   | 141.71  | 15.203   | 44.682  | 97.858  | 4.3339  | 153.70  | 177.44   |
| #1     | -.00009  | -.00010 | .02520   | .00046  | .00027  | .11428  | .00033  | -.00934  |
| #2     | .00018   | .00023  | .02191   | .00068  | .00007  | .12461  | .00023  | .00152   |
| #3     | -.00021  | .00042  | .02966   | .00026  | .00005  | .12031  | -.00011 | -.00163  |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .00701 | -.00090 | -.00081  | -.00182 | -.00216 | -.0024  | -.00059 | F 2.6091 |
| Stddev | .00379   | .00257  | .00044   | .00204  | .00087  | .0005   | .00004  | .1118    |
| %RSD   | 54.055   | 286.22  | 54.610   | 112.22  | 40.305  | 19.36   | 6.5524  | 4.2849   |
| #1     | .00685   | -.00282 | -.00030  | -.00041 | -.00315 | -.0024  | -.00057 | 2.5374   |
| #2     | .01088   | -.00189 | -.00107  | -.00088 | -.00175 | -.0028  | -.00063 | 2.5520   |
| #3     | .00331   | .00202  | -.00105  | -.00416 | -.00156 | -.0019  | -.00056 | 2.7380   |

Sample Name: CCB06      Acquired: 5/17/2019 17:08:23      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14970      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .48320 |
| Stddev | .12937   |
| %RSD   | 26.773   |

|    |        |
|----|--------|
| #1 | .36866 |
| #2 | .62351 |
| #3 | .45742 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4668.3 | 56458. | 4998.6 | 61.947 | 4934.3 |
| Stddev    | 7.8    | 138.   | 4.2    | .678   | 12.6   |
| %RSD      | .16733 | .24507 | .08426 | 1.0941 | .25505 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4666.5 | 56603. | 4997.2 | 61.483 | 4936.0 |
| #2 | 4661.6 | 56328. | 4995.4 | 62.725 | 4921.0 |
| #3 | 4676.9 | 56443. | 5003.4 | 61.633 | 4946.0 |

Sample Name: K2905-09      Acquired: 5/17/2019 17:12:52      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: GIS-2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |          |        |        |         |        |
|--------|--------|---------|--------|----------|--------|--------|---------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960   | Sb2068 | Al3961 | Ba4934  | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00626 | -.06151 | .10440 | -.03067  | .00517 | 257.99 | .67076  | .02227 |
| Stddev | .00302 | .00152  | .00127 | .00648   | .00093 | .88    | .00211  | .00012 |
| %RSD   | 48.278 | 2.4701  | 1.2165 | 21.112   | 18.080 | .33933 | .31397  | .55351 |
| #1     | .00407 | -.05979 | .10310 | -.02420  | .00460 | 257.62 | .66936  | .02220 |
| #2     | .00971 | -.06207 | .10564 | -.03715  | .00465 | 257.35 | .66974  | .02241 |
| #3     | .00501 | -.06267 | .10445 | -.03066  | .00624 | 258.98 | .67318  | .02220 |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286   | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00237 | 126.17  | .34026 | .34599   | 1.3257 | 332.37 | 7.8316  | 186.92 |
| Stddev | .00073 | .28     | .00036 | .00164   | .0009  | 2.32   | .0352   | .86    |
| %RSD   | 30.656 | .22071  | .10720 | .47317   | .06611 | .69694 | .44927  | .45914 |
| #1     | .00311 | 126.10  | .34060 | .34675   | 1.3248 | 330.76 | 7.8521  | 185.96 |
| #2     | .00235 | 126.48  | .34029 | .34411   | 1.3265 | 331.33 | 7.8517  | 187.61 |
| #3     | .00166 | 125.94  | .33987 | .34711   | 1.3257 | 335.02 | 7.7910  | 187.18 |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924   | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm    | ppm     | ppm    |
| Avg    | .65054 | -.02254 | 12.283 | .62243   | 1.0003 | 10.247 | -.00378 | 5.2602 |
| Stddev | .00358 | .00082  | .025   | .00309   | .0016  | .023   | .00035  | .0529  |
| %RSD   | .54960 | 3.6443  | .19970 | .49601   | .15552 | .22305 | 9.1996  | 1.0048 |
| #1     | .65375 | -.02348 | 12.260 | .62390   | .99950 | 10.222 | -.00418 | 5.2472 |
| #2     | .64669 | -.02199 | 12.281 | .61888   | 1.0021 | 10.252 | -.00355 | 5.2150 |
| #3     | .65117 | -.02214 | 12.308 | .62450   | .99940 | 10.267 | -.00361 | 5.3183 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361   | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm    | ppm     | ppm    |
| Avg    | .88880 | 3.3302  | .02345 | F 11.327 | .46472 | 5.401  | -.06192 | .78667 |
| Stddev | .00614 | .0135   | .00155 | .013     | .00291 | .016   | .00230  | .12009 |
| %RSD   | .69083 | .40522  | 6.6175 | .11395   | .62535 | .2999  | 3.7080  | 15.266 |
| #1     | .89054 | 3.3265  | .02488 | 11.335   | .46404 | 5.419  | -.06058 | .73864 |
| #2     | .88198 | 3.3190  | .02180 | 11.333   | .46222 | 5.389  | -.06062 | .92334 |
| #3     | .89388 | 3.3452  | .02367 | 11.312   | .46791 | 5.394  | -.06458 | .69804 |

Sample Name: K2905-09      Acquired: 5/17/2019 17:12:52      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: GIS-2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 109.37 |
| Stddev | .52      |
| %RSD   | .47270   |

|    |        |
|----|--------|
| #1 | 109.54 |
| #2 | 109.79 |
| #3 | 108.80 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4765.5 | 57880. | 5650.9 | 55.743 | 3816.5 |
| Stddev    | 3.7    | 82.    | 16.3   | .716   | 4.8    |
| %RSD      | .07766 | .14091 | .28879 | 1.2837 | .12658 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4768.3 | 57807. | 5633.2 | 55.350 | 3820.9 |
| #2 | 4761.3 | 57968. | 5654.2 | 56.568 | 3811.3 |
| #3 | 4767.0 | 57865. | 5665.3 | 55.309 | 3817.2 |

Sample Name: K2905-13      Acquired: 5/17/2019 17:17:27      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: GIS-3      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |         |        |
|--------|---------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934  | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .04495  | -.00894 | .19938 | -.01732 | .00677 | 234.19 | .99512  | .02631 |
| Stddev | .00296  | .00145  | .00264 | .00565  | .00086 | .20    | .00276  | .00055 |
| %RSD   | 6.5812  | 16.242  | 1.3236 | 32.640  | 12.759 | .08551 | .27716  | 2.0813 |
| #1     | .04580  | -.00955 | .20075 | -.02259 | .00773 | 234.15 | .99651  | .02649 |
| #2     | .04739  | -.00729 | .20105 | -.01135 | .00606 | 234.41 | .99691  | .02569 |
| #3     | .04166  | -.00999 | .19634 | -.01803 | .00653 | 234.01 | .99194  | .02674 |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00272 | 15.880  | .29212 | .22720  | .29771 | 322.97 | 8.3204  | 85.460 |
| Stddev | .00015  | .043    | .00060 | .00030  | .00049 | 1.08   | .0368   | .370   |
| %RSD   | 5.4158  | .27117  | .20589 | .13398  | .16588 | .33591 | .44281  | .43278 |
| #1     | -.00265 | 15.831  | .29282 | .22751  | .29827 | 324.14 | 8.3387  | 85.631 |
| #2     | -.00261 | 15.908  | .29180 | .22718  | .29753 | 322.74 | 8.2780  | 85.714 |
| #3     | -.00288 | 15.902  | .29175 | .22690  | .29734 | 322.01 | 8.3445  | 85.036 |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .44077  | -.01662 | 2.7254 | .39707  | 1.1247 | 16.852 | .00021  | .07766 |
| Stddev | .00135  | .00026  | .0043  | .00064  | .0028  | .077   | .00019  | .00884 |
| %RSD   | .30625  | 1.5778  | .15947 | .16183  | .24817 | .45901 | 90.410  | 11.382 |
| #1     | .44231  | -.01636 | 2.7304 | .39756  | 1.1276 | 16.911 | -.00001 | .06900 |
| #2     | .44020  | -.01663 | 2.7229 | .39634  | 1.1220 | 16.882 | .00030  | .08667 |
| #3     | .43980  | -.01688 | 2.7228 | .39732  | 1.1246 | 16.765 | .00035  | .07733 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .91508  | 2.9215  | .01651 | 2.9312  | .57563 | 6.698  | -.27542 | .77326 |
| Stddev | .00334  | .0212   | .00048 | .0127   | .00509 | .020   | .00153  | .07181 |
| %RSD   | .36484  | .72604  | 2.8870 | .43503  | .88470 | .3017  | .55622  | 9.2869 |
| #1     | .91159  | 2.9017  | .01614 | 2.9215  | .56975 | 6.697  | -.27707 | .75699 |
| #2     | .91824  | 2.9439  | .01635 | 2.9457  | .57863 | 6.719  | -.27516 | .85182 |
| #3     | .91542  | 2.9190  | .01705 | 2.9265  | .57852 | 6.679  | -.27404 | .71099 |

Sample Name: K2905-13      Acquired: 5/17/2019 17:17:27      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: GIS-3      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 101.58  
 Stddev      .33  
 %RSD      .32695

#1      101.23  
 #2      101.60  
 #3      101.89

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4895.0 | 58695. | 5618.1 | 57.550 | 4074.3 |
| Stddev    | 1.9    | 197.   | 23.7   | 1.257  | 6.3    |
| %RSD      | .03874 | .33486 | .42239 | 2.1849 | .15583 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4894.8 | 58473. | 5645.2 | 58.114 | 4067.0 |
| #2 | 4893.2 | 58847. | 5601.1 | 56.109 | 4078.8 |
| #3 | 4897.0 | 58765. | 5608.0 | 58.427 | 4077.0 |

Sample Name: K2643-05      Acquired: 5/17/2019 17:22:02      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OR-02-051619      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |         |         |        |         |        |
|--------|---------|---------|--------|---------|---------|--------|---------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .04324  | -.00756 | .36882 | -.00096 | -.00008 | 137.96 | .86885  | .01366 |
| Stddev | .00155  | .00082  | .00380 | .00433  | .00151  | .94    | .00468  | .00016 |
| %RSD   | 3.5851  | 10.813  | 1.0311 | 451.76  | 1779.0  | .68261 | .53828  | 1.1815 |
| #1     | .04423  | -.00678 | .37282 | -.00525 | -.00064 | 136.89 | .86347  | .01359 |
| #2     | .04145  | -.00747 | .36525 | -.00104 | -.00124 | 138.63 | .87122  | .01355 |
| #3     | .04403  | -.00841 | .36839 | .00341  | .00162  | 138.38 | .87187  | .01384 |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00159 | 164.32  | .15951 | .10852  | .32097  | 187.10 | 5.0096  | 93.464 |
| Stddev | .00029  | 4.13    | .00065 | .00065  | .00344  | 1.89   | .0334   | .684   |
| %RSD   | 18.146  | 2.5155  | .40797 | .59718  | 1.0709  | 1.0096 | .66600  | .73220 |
| #1     | -.00128 | 159.56  | .15991 | .10927  | .32489  | 184.93 | 4.9961  | 92.870 |
| #2     | -.00184 | 167.03  | .15876 | .10817  | .31846  | 187.99 | 5.0476  | 93.310 |
| #3     | -.00164 | 166.36  | .15987 | .10812  | .31956  | 188.38 | 4.9852  | 94.212 |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .18799  | -.00729 | 16.584 | .34574  | .95583  | 10.112 | .00036  | .00573 |
| Stddev | .00095  | .00042  | .137   | .00191  | .00225  | .060   | .00044  | .00273 |
| %RSD   | .50538  | 5.7197  | .82470 | .55107  | .23536  | .59165 | 123.58  | 47.675 |
| #1     | .18879  | -.00767 | 16.426 | .34436  | .95472  | 10.043 | -.00014 | .00828 |
| #2     | .18694  | -.00685 | 16.664 | .34493  | .95434  | 10.143 | .00071  | .00608 |
| #3     | .18823  | -.00736 | 16.662 | .34791  | .95842  | 10.149 | .00050  | .00284 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | 5.0522  | 4.1285  | .02445 | 1.9969  | .17838  | 5.338  | .22586  | 1.1651 |
| Stddev | .0337   | .0744   | .00037 | .0640   | .00709  | .028   | .00866  | .1454  |
| %RSD   | .66785  | 1.8016  | 1.5303 | 3.2066  | 3.9743  | .5153  | 3.8321  | 12.477 |
| #1     | 5.0702  | 4.1064  | .02463 | 1.9230  | .17020  | 5.364  | .21604  | 1.0839 |
| #2     | 5.0133  | 4.2114  | .02402 | 2.0332  | .18228  | 5.310  | .23239  | 1.3329 |
| #3     | 5.0732  | 4.0676  | .02469 | 2.0346  | .18267  | 5.342  | .22914  | 1.0785 |

Sample Name: K2643-05      Acquired: 5/17/2019 17:22:02      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OR-02-051619      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 59.843 |
| Stddev | .509   |
| %RSD   | .85001 |

|    |        |
|----|--------|
| #1 | 59.282 |
| #2 | 59.976 |
| #3 | 60.273 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4899.0 | 59615. | 5871.3 | 57.401 | 4048.5 |
| Stddev    | 8.7    | 89.    | 115.6  | 2.437  | 9.2    |
| %RSD      | .17755 | .14945 | 1.9694 | 4.2449 | .22619 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4890.2 | 59710. | 6001.8 | 60.038 | 4042.7 |
| #2 | 4907.6 | 59534. | 5781.8 | 56.930 | 4059.1 |
| #3 | 4899.2 | 59602. | 5830.2 | 55.233 | 4043.8 |

Sample Name: K2643-07      Acquired: 5/17/2019 17:26:36      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-02-051619      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |         |         |         |
|--------|---------|---------|--------|---------|--------|---------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .12711  | -.01272 | 6.1965 | -.01098 | .02001 | 143.53  | 1.6470  | .01895  |
| Stddev | .00195  | .00351  | .0205  | .00232  | .00168 | .65     | .0038   | .00023  |
| %RSD   | 1.5329  | 27.580  | .33055 | 21.122  | 8.3754 | .45615  | .23266  | 1.1976  |
| #1     | .12825  | -.01671 | 6.2055 | -.01363 | .01893 | 142.89  | 1.6427  | .01874  |
| #2     | .12822  | -.01016 | 6.2109 | -.00999 | .02194 | 143.50  | 1.6481  | .01919  |
| #3     | .12486  | -.01127 | 6.1731 | -.00932 | .01916 | 144.19  | 1.6501  | .01892  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00014 | 37.054  | .17830 | .12974  | .35729 | 278.04  | 5.7328  | 55.640  |
| Stddev | .00049  | .070    | .00094 | .00096  | .00289 | 2.19    | .0330   | .296    |
| %RSD   | 358.18  | .18794  | .52536 | .74153  | .81009 | .78699  | .57638  | .53174  |
| #1     | -.00024 | 37.033  | .17774 | .12929  | .35848 | 279.03  | 5.7621  | 55.329  |
| #2     | .00040  | 36.998  | .17938 | .13084  | .35941 | 275.53  | 5.6970  | 55.918  |
| #3     | -.00057 | 37.132  | .17778 | .12908  | .35399 | 279.56  | 5.7393  | 55.673  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .21873  | -.01373 | 7.3124 | .43262  | .98562 | 10.939  | .00144  | -.06648 |
| Stddev | .00206  | .00059  | .0182  | .00148  | .00369 | .030    | .00042  | .00903  |
| %RSD   | .94378  | 4.2963  | .24904 | .34153  | .37478 | .27057  | 28.986  | 13.575  |
| #1     | .21875  | -.01339 | 7.2940 | .43145  | .98726 | 10.916  | .00133  | -.05935 |
| #2     | .22079  | -.01441 | 7.3127 | .43428  | .98820 | 10.929  | .00190  | -.06347 |
| #3     | .21666  | -.01339 | 7.3304 | .43213  | .98138 | 10.972  | .00109  | -.07663 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | 4.4644  | 4.6476  | 5.7978 | 3.2803  | .16800 | F 11.03 | -.14699 | <.00000 |
| Stddev | .0340   | .0188   | .0215  | .0273   | .00087 | .08     | .00285  | .20735  |
| %RSD   | .76063  | .40442  | .37094 | .83269  | .52032 | .7380   | 1.9373  | 53.204  |
| #1     | 4.4576  | 4.6673  | 5.7998 | 3.2518  | .16898 | 11.03   | -.14872 | -.16859 |
| #2     | 4.5012  | 4.6299  | 5.8183 | 3.2830  | .16774 | 11.11   | -.14370 | -.42082 |
| #3     | 4.4343  | 4.6454  | 5.7754 | 3.3062  | .16729 | 10.95   | -.14855 | -.57979 |

Sample Name: K2643-07      Acquired: 5/17/2019 17:26:36      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-02-051619      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 93.603 |
| Stddev | .911     |
| %RSD   | .97357   |

|    |        |
|----|--------|
| #1 | 92.969 |
| #2 | 94.647 |
| #3 | 93.192 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5231.4 | 63346. | 6087.6 | 58.632 | 4146.6 |
| Stddev    | 9.2    | 131.   | 25.3   | .847   | 13.7   |
| %RSD      | .17583 | .20632 | .41579 | 1.4446 | .33153 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5221.2 | 63195. | 6059.4 | 57.744 | 4137.1 |
| #2 | 5233.8 | 63429. | 6095.3 | 59.431 | 4140.5 |
| #3 | 5239.1 | 63414. | 6108.2 | 58.721 | 4162.4 |

Sample Name: K2894-01      Acquired: 5/17/2019 17:31:08      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-04-0-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04121 | .00057 | .69525 | .00052 | .00126 | 66.498 | .36299 | .00829 |
| Stddev | .00150 | .00089 | .00353 | .00046 | .00200 | .222   | .00139 | .00034 |
| %RSD   | 3.6379 | 157.75 | .50735 | 89.347 | 158.44 | .33346 | .38213 | 4.0877 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .04292 | .00115  | .69465 | .00001 | .00004 | 66.566 | .36323 | .00810 |
| #2 | .04017 | -.00046 | .69904 | .00091 | .00018 | 66.679 | .36424 | .00810 |
| #3 | .04053 | .00100  | .69206 | .00063 | .00356 | 66.251 | .36149 | .00868 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00102 | 113.46 | .07661 | .06699 | 1.8097 | 148.32 | 5.1437 | 43.516 |
| Stddev | .00044  | .07    | .00060 | .00058 | .0035  | 2.42   | .0231  | .231   |
| %RSD   | 43.223  | .05931 | .78203 | .86161 | .19394 | 1.6345 | .44835 | .53146 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00109 | 113.39 | .07630 | .06722 | 1.8068 | 148.67 | 5.1242 | 43.723 |
| #2 | -.00055 | 113.50 | .07623 | .06741 | 1.8088 | 145.74 | 5.1377 | 43.557 |
| #3 | -.00143 | 113.50 | .07730 | .06633 | 1.8136 | 150.56 | 5.1691 | 43.266 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .14030 | -.00435 | .80732 | .15307 | 1.2203 | 6.3653 | -.00077 | -.01290 |
| Stddev | .00110 | .00023  | .00286 | .00152 | .0014  | .0393  | .00033  | .00234  |
| %RSD   | .78376 | 5.3156  | .35412 | .99532 | .11852 | .61800 | 42.456  | 18.134  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .14023 | -.00425 | .80910 | .15160 | 1.2189 | 6.3672 | -.00042 | -.01396 |
| #2 | .14143 | -.00462 | .80883 | .15296 | 1.2202 | 6.4036 | -.00083 | -.01022 |
| #3 | .13923 | -.00419 | .80402 | .15465 | 1.2217 | 6.3250 | -.00107 | -.01453 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.0028 | 2.6738 | .09742 | .33516 | .12075 | 7.988  | .00265 | .76314 |
| Stddev | .0135  | .0318  | .00182 | .00147 | .00106 | .035   | .00241 | .13128 |
| %RSD   | .67273 | 1.1881 | 1.8732 | .43991 | .87632 | .4349  | 90.893 | 17.203 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 2.0066 | 2.6460 | .09778 | .33463 | .12191 | 7.960 | .00206 | .69133 |
| #2 | 2.0140 | 2.7084 | .09904 | .33682 | .12050 | 8.027 | .00529 | .91466 |
| #3 | 1.9879 | 2.6668 | .09544 | .33402 | .11984 | 7.977 | .00059 | .68343 |

Sample Name: K2894-01      Acquired: 5/17/2019 17:31:08      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-04-0-1      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      48.151  
 Stddev      .749  
 %RSD      1.5548

#1      47.847  
 #2      47.603  
 #3      49.004

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5073.1 | 61541. | 5836.8 | 57.875 | 4291.7 |
| Stddev    | 13.1   | 156.   | 22.2   | 1.224  | 8.5    |
| %RSD      | .25857 | .25364 | .38008 | 2.1144 | .19906 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5064.8 | 61378. | 5821.6 | 56.717 | 4284.1 |
| #2 | 5088.3 | 61556. | 5862.3 | 57.752 | 4300.9 |
| #3 | 5066.3 | 61689. | 5826.6 | 59.155 | 4290.0 |

Sample Name: K2894-01DUP      Acquired: 5/17/2019 17:35:37      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-04-0-1DUP      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |         |         |
|--------|---------|---------|--------|--------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .04435  | .00062  | .69720 | .00259 | .00076  | 65.755 | .36724  | .00876  |
| Stddev | .00398  | .00060  | .00063 | .00308 | .00176  | .095   | .00078  | .00010  |
| %RSD   | 8.9679  | 96.931  | .09079 | 118.77 | 231.31  | .14406 | .21205  | 1.1651  |
| #1     | .04453  | .00002  | .69656 | .00131 | .00257  | 65.687 | .36716  | .00876  |
| #2     | .04823  | .00062  | .69724 | .00610 | .00068  | 65.863 | .36805  | .00866  |
| #3     | .04028  | .00121  | .69782 | .00036 | -.00096 | 65.714 | .36650  | .00886  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00105 | 112.70  | .08023 | .06733 | 1.8522  | 157.72 | 5.2775  | 43.079  |
| Stddev | .00028  | .55     | .00074 | .00021 | .0015   | 1.50   | .0619   | .113    |
| %RSD   | 26.718  | .48525  | .91736 | .31497 | .08095  | .95179 | 1.1720  | .26183  |
| #1     | -.00087 | 113.34  | .08037 | .06711 | 1.8517  | 156.30 | 5.3294  | 43.174  |
| #2     | -.00137 | 112.40  | .07944 | .06754 | 1.8510  | 159.29 | 5.2091  | 42.954  |
| #3     | -.00091 | 112.38  | .08089 | .06733 | 1.8539  | 157.56 | 5.2941  | 43.108  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .14189  | -.00417 | .80080 | .18062 | 1.2624  | 6.2260 | -.00103 | -.02282 |
| Stddev | .00048  | .00050  | .01177 | .00129 | .0015   | .0550  | .00013  | .00648  |
| %RSD   | .33537  | 11.995  | 1.4697 | .71516 | .11560  | .88349 | 13.001  | 28.399  |
| #1     | .14152  | -.00466 | .80715 | .17993 | 1.2612  | 6.2412 | -.00119 | -.01646 |
| #2     | .14173  | -.00366 | .80804 | .17982 | 1.2640  | 6.2718 | -.00093 | -.02941 |
| #3     | .14243  | -.00418 | .78722 | .18211 | 1.2621  | 6.1650 | -.00099 | -.02258 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | 2.0107  | 2.5469  | .09027 | .34702 | .12129  | 8.654  | -.00764 | .46385  |
| Stddev | .0007   | .0259   | .00087 | .00056 | .00070  | .032   | .00187  | .15009  |
| %RSD   | .03566  | 1.0152  | .96932 | .16104 | .57864  | .3713  | 24.533  | 32.358  |
| #1     | 2.0098  | 2.5218  | .08926 | .34732 | .12207  | 8.618  | -.00583 | .62447  |
| #2     | 2.0110  | 2.5734  | .09065 | .34736 | .12071  | 8.664  | -.00957 | .32716  |
| #3     | 2.0111  | 2.5454  | .09088 | .34637 | .12108  | 8.680  | -.00752 | .43992  |

Sample Name: K2894-01DUP      Acquired: 5/17/2019 17:35:37      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-04-0-1DUP      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 50.006 |
| Stddev | .460   |
| %RSD   | .91986 |

|    |        |
|----|--------|
| #1 | 50.334 |
| #2 | 49.480 |
| #3 | 50.203 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5130.5 | 62272. | 5892.3 | 59.460 | 4285.4 |
| Stddev    | 9.4    | 78.    | 41.5   | 1.794  | 4.9    |
| %RSD      | .18392 | .12550 | .70381 | 3.0177 | .11374 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5123.5 | 62223. | 5845.4 | 61.531 | 4284.3 |
| #2 | 5141.2 | 62231. | 5907.8 | 58.375 | 4290.7 |
| #3 | 5126.7 | 62362. | 5923.9 | 58.474 | 4281.2 |

Sample Name: K2894-01LX5      Acquired: 5/17/2019 17:40:05      Type: Unk  
Method: P4-ICP2(v3131)      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    | .01160 | .00031 | .13996 | .00152 | -.00171 | 14.365 | .08052 | .00184 |
| Stddev | .00086 | .00158 | .00056 | .00131 | .00134  | .253   | .00113 | .00002 |
| %RSD   | 7.3990 | 503.09 | .39745 | 86.161 | 78.103  | 1.7623 | 1.4039 | 1.1522 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .01104 | -.00150 | .14024 | .00295 | -.00042 | 14.656 | .08166 | .00185 |
| #2 | .01117 | .00142  | .13932 | .00121 | -.00162 | 14.197 | .08051 | .00184 |
| #3 | .01259 | .00102  | .14032 | .00039 | -.00309 | 14.241 | .07940 | .00181 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00145 | 27.635 | .01766 | .01312 | .42892 | 39.010 | 1.2332 | 9.6414 |
| Stddev | .00010  | 3.317  | .00032 | .00013 | .00046 | .252   | .0011  | .1672  |
| %RSD   | 6.5918  | 12.002 | 1.7878 | 1.0008 | .10753 | .64643 | .08835 | 1.7342 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00138 | 31.397 | .01738 | .01322 | .42917 | 38.862 | 1.2320 | 9.8334 |
| #2 | -.00140 | 25.132 | .01759 | .01316 | .42839 | 38.866 | 1.2333 | 9.5283 |
| #3 | -.00155 | 26.378 | .01801 | .01297 | .42920 | 39.301 | 1.2342 | 9.5625 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .02761 | -.00067 | .17064 | .03837 | .23607 | 1.4416 | -.00071 | -.00586 |
| Stddev | .00032 | .00028  | .00637 | .00046 | .00056 | .0190  | .00020  | .01238  |
| %RSD   | 1.1488 | 41.878  | 3.7308 | 1.2061 | .23534 | 1.3142 | 27.587  | 211.35  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .02776 | -.00038 | .17296 | .03804 | .23665 | 1.4633 | -.00073 | .00164  |
| #2 | .02783 | -.00094 | .17551 | .03890 | .23554 | 1.4285 | -.00051 | .00094  |
| #3 | .02725 | -.00068 | .16344 | .03817 | .23602 | 1.4329 | -.00090 | -.02015 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .38178 | .63587 | .01934 | .08407 | .02811 | 1.589  | -.00407 | 2.4757 |
| Stddev | .00125 | .07742 | .00131 | .01045 | .00669 | .001   | .00491  | .0412  |
| %RSD   | .32729 | 12.176 | 6.7922 | 12.436 | 23.818 | .0361  | 120.67  | 1.6632 |

|    |        |        |        |        |        |       |         |        |
|----|--------|--------|--------|--------|--------|-------|---------|--------|
| #1 | .38046 | .72516 | .02067 | .09349 | .03583 | 1.590 | .00157  | 2.5227 |
| #2 | .38294 | .58744 | .01804 | .07282 | .02414 | 1.589 | -.00740 | 2.4584 |
| #3 | .38195 | .59501 | .01932 | .08588 | .02435 | 1.589 | -.00637 | 2.4459 |

Sample Name: K2894-01LX5      Acquired: 5/17/2019 17:40:05      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 11.799 |
| Stddev | .247   |
| %RSD   | 2.0961 |

|    |        |
|----|--------|
| #1 | 11.893 |
| #2 | 11.985 |
| #3 | 11.518 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4743.6 | 57268. | 4986.0 | 59.561 | 4693.6 |
| Stddev    | 7.4    | 262.   | 514.2  | 5.921  | 15.2   |
| %RSD      | .15668 | .45763 | 10.313 | 9.9405 | .32482 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4735.1 | 56988. | 4407.7 | 53.133 | 4676.8 |
| #2 | 4748.7 | 57508. | 5391.7 | 64.792 | 4706.6 |
| #3 | 4747.0 | 57308. | 5158.6 | 60.758 | 4697.3 |

Sample Name: K2894-01MS      Acquired: 5/17/2019 17:44:33      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-04-0-1MS      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    | .73677 | 1.9367 | 1.5203  | 1.7518 | .18294 | 75.897 | .57737 | .18702 | .18907 |
| Stddev | .00403 | .0045  | .0022   | .0051  | .00346 | .305   | .00152 | .00041 | .00027 |
| %RSD   | .54762 | .23059 | .14735  | .29045 | 1.8937 | .40202 | .26374 | .21882 | .14128 |
| #1     | .73606 | 1.9412 | 1.5216  | 1.7551 | .18693 | 75.691 | .57588 | .18701 | .18896 |
| #2     | .73313 | 1.9365 | 1.5177  | 1.7459 | .18114 | 75.752 | .57732 | .18744 | .18937 |
| #3     | .74111 | 1.9323 | 1.5215  | 1.7543 | .18074 | 76.248 | .57892 | .18662 | .18887 |
| Elem   | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 118.53 | .42355 | .26881  | 1.7900 | 146.33 | 5.1888 | 46.880 | .63343 | .06129 |
| Stddev | .34    | .00090 | .00055  | .0021  | .78    | .0087  | .312   | .00092 | .00050 |
| %RSD   | .29099 | .21225 | .20467  | .11498 | .53031 | .16714 | .66577 | .14576 | .81965 |
| #1     | 118.92 | .42252 | .26900  | 1.7889 | 147.16 | 5.1963 | 46.587 | .63237 | .06078 |
| #2     | 118.28 | .42398 | .26819  | 1.7887 | 146.21 | 5.1908 | 46.845 | .63388 | .06129 |
| #3     | 118.37 | .42416 | .26924  | 1.7924 | 145.62 | 5.1793 | 47.208 | .63405 | .06179 |
| Elem   | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.6330 | .38132 | 1.1813  | 15.116 | .33315 | .22053 | 1.3014 | 3.4328 | .72528 |
| Stddev | .0045  | .00307 | .0015   | .021   | .00051 | .00580 | .0034  | .0506  | .00226 |
| %RSD   | .12252 | .80427 | .13103  | .13958 | .15275 | 2.6319 | .26033 | 1.4732 | .31222 |
| #1     | 3.6282 | .37820 | 1.1797  | 15.101 | .33365 | .22670 | 1.3023 | 3.4844 | .72269 |
| #2     | 3.6339 | .38142 | 1.1815  | 15.106 | .33263 | .21969 | 1.3042 | 3.4306 | .72626 |
| #3     | 3.6370 | .38434 | 1.1828  | 15.140 | .33318 | .21519 | 1.2976 | 3.3833 | .72688 |
| Elem   | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |        |        |        |
| Avg    | .51110 | .30879 | F 12.55 | .18259 | 1.5868 | 44.632 |        |        |        |
| Stddev | .00329 | .00224 | .01     | .00085 | .0554  | .080   |        |        |        |
| %RSD   | .64280 | .72669 | .0499   | .46595 | 3.4901 | .17983 |        |        |        |
| #1     | .50960 | .30775 | 12.56   | .18351 | 1.6184 | 44.720 |        |        |        |
| #2     | .50884 | .30725 | 12.56   | .18184 | 1.5228 | 44.563 |        |        |        |
| #3     | .51487 | .31136 | 12.55   | .18241 | 1.6191 | 44.612 |        |        |        |

Sample Name: K2894-01MS      Acquired: 5/17/2019 17:44:33      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-04-0-1MS      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       | 4934.2 | 59933. | 5652.8 | 58.143 | 4232.8 |
| Stddev    | 14.1   | 48.    | 38.6   | 1.249  | 3.9    |
| %RSD      | .28535 | .07934 | .68263 | 2.1474 | .09147 |
| #1        | 4927.2 | 59879. | 5611.6 | 56.883 | 4230.3 |
| #2        | 4950.4 | 59951. | 5658.6 | 58.166 | 4237.2 |
| #3        | 4925.0 | 59969. | 5688.2 | 59.380 | 4230.7 |

Sample Name: K2894-01MSD      Acquired: 5/17/2019 17:48:54      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-04-0-1MSD 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    | .73795 | 1.9320 | 1.5317 | 1.7551 | .18157 | 77.030 | .58986 | .18777 | .18894 |
| Stddev | .00266 | .0064  | .0091  | .0067  | .00199 | .309   | .00196 | .00104 | .00000 |
| %RSD   | .36013 | .33093 | .59080 | .38237 | 1.0979 | .40073 | .33282 | .55161 | .00141 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73617 | 1.9306 | 1.5308 | 1.7578 | .18384 | 76.854 | .58890 | .18855 | .18895 |
| #2 | .73668 | 1.9264 | 1.5231 | 1.7475 | .18075 | 76.850 | .58856 | .18659 | .18894 |
| #3 | .74100 | 1.9390 | 1.5411 | 1.7601 | .18012 | 77.386 | .59212 | .18817 | .18895 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 119.72 | .42281 | .26940 | 1.8227 | 146.87 | 5.2238 | 47.144 | .63545 | .06113 |
| Stddev | .52    | .00174 | .00139 | .0015  | .23    | .0179  | .066   | .00331 | .00051 |
| %RSD   | .43718 | .41260 | .51566 | .08359 | .15610 | .34283 | .13911 | .52087 | .82650 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 119.64 | .42350 | .26881 | 1.8234 | 146.67 | 5.2211 | 47.209 | .63441 | .06136 |
| #2 | 119.24 | .42083 | .26841 | 1.8209 | 146.83 | 5.2073 | 47.078 | .63278 | .06148 |
| #3 | 120.28 | .42411 | .27099 | 1.8237 | 147.12 | 5.2428 | 47.143 | .63916 | .06055 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.6569 | .38263 | 1.1949 | 15.124 | .33227 | .20977 | 1.2898 | 3.3942 | .72742 |
| Stddev | .0042  | .00014 | .0012  | .052   | .00146 | .01347 | .0036  | .0434  | .00173 |
| %RSD   | .11578 | .03636 | .10329 | .34215 | .44080 | 6.4201 | .27585 | 1.2788 | .23734 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.6541 | .38265 | 1.1935 | 15.071 | .33076 | .19584 | 1.2858 | 3.4261 | .72885 |
| #2 | 3.6617 | .38276 | 1.1954 | 15.127 | .33237 | .22272 | 1.2911 | 3.3447 | .72550 |
| #3 | 3.6548 | .38248 | 1.1959 | 15.175 | .33369 | .21076 | 1.2926 | 3.4118 | .72792 |

|        |        |        |         |        |        |        |  |  |  |
|--------|--------|--------|---------|--------|--------|--------|--|--|--|
| Elem   | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859 |  |  |  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |  |  |  |
| Avg    | .51788 | .31117 | F 12.57 | .18101 | 1.6353 | 44.773 |  |  |  |
| Stddev | .00440 | .00204 | .04     | .00222 | .1354  | .182   |  |  |  |
| %RSD   | .84915 | .65440 | .3335   | 1.2278 | 8.2818 | .40550 |  |  |  |

|    |        |        |       |        |        |        |  |  |  |
|----|--------|--------|-------|--------|--------|--------|--|--|--|
| #1 | .51308 | .30920 | 12.54 | .18077 | 1.7902 | 44.909 |  |  |  |
| #2 | .52171 | .31104 | 12.54 | .17892 | 1.5767 | 44.843 |  |  |  |
| #3 | .51886 | .31327 | 12.61 | .18335 | 1.5391 | 44.567 |  |  |  |

Sample Name: K2894-01MSD      Acquired: 5/17/2019 17:48:54      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-04-0-1MSD 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       | 4940.1 | 60014. | 5691.6 | 59.294 | 4235.9 |
| Stddev    | 2.5    | 90.    | 17.5   | .857   | 3.9    |
| %RSD      | .05147 | .14958 | .30800 | 1.4458 | .09164 |
| #1        | 4941.2 | 60116. | 5702.7 | 59.644 | 4240.0 |
| #2        | 4941.9 | 59981. | 5700.6 | 58.317 | 4232.3 |
| #3        | 4937.2 | 59946. | 5671.4 | 59.920 | 4235.3 |

Sample Name: K2894-01A      Acquired: 5/17/2019 17:53:15      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB8216      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    | .74347 | 1.9414 | 1.5172 | 1.7574 | .18519 | 75.896 | .57716 | .18771 | .18877 |
| Stddev | .00588 | .0042  | .0056  | .0038  | .00169 | .211   | .00013 | .00023 | .00012 |
| %RSD   | .79148 | .21659 | .36835 | .21518 | .91349 | .27857 | .02173 | .12301 | .06517 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74840 | 1.9432 | 1.5187 | 1.7531 | .18324 | 75.793 | .57730 | .18748 | .18890 |
| #2 | .74504 | 1.9444 | 1.5220 | 1.7602 | .18623 | 75.756 | .57707 | .18772 | .18866 |
| #3 | .73695 | 1.9365 | 1.5111 | 1.7588 | .18610 | 76.139 | .57710 | .18794 | .18876 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 117.99 | .42322 | .26806 | 1.7785 | 145.77 | 5.1608 | 46.784 | .63466 | .06137 |
| Stddev | .80    | .00031 | .00115 | .0024  | .22    | .0140  | .296   | .00269 | .00081 |
| %RSD   | .67710 | .07423 | .42823 | .13789 | .14913 | .27071 | .63361 | .42329 | 1.3150 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 117.41 | .42320 | .26890 | 1.7769 | 145.65 | 5.1447 | 46.532 | .63567 | .06061 |
| #2 | 117.67 | .42292 | .26853 | 1.7813 | 145.63 | 5.1684 | 46.709 | .63669 | .06222 |
| #3 | 118.90 | .42355 | .26675 | 1.7772 | 146.02 | 5.1693 | 47.110 | .63161 | .06129 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.6237 | .38105 | 1.1767 | 15.060 | .33416 | .21535 | 1.3104 | 3.4042 | .72890 |
| Stddev | .0099  | .00103 | .0008  | .042   | .00167 | .00593 | .0062  | .0453  | .00075 |
| %RSD   | .27393 | .26951 | .06365 | .28188 | .50031 | 2.7527 | .47503 | 1.3299 | .10225 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.6183 | .38223 | 1.1772 | 15.103 | .33572 | .22124 | 1.3175 | 3.4519 | .72973 |
| #2 | 3.6178 | .38034 | 1.1770 | 15.018 | .33437 | .21543 | 1.3077 | 3.3990 | .72830 |
| #3 | 3.6352 | .38059 | 1.1758 | 15.058 | .33240 | .20938 | 1.3059 | 3.3618 | .72867 |

|        |        |        |         |        |        |        |  |  |  |
|--------|--------|--------|---------|--------|--------|--------|--|--|--|
| Elem   | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859 |  |  |  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |  |  |  |
| Avg    | .50824 | .30953 | F 12.64 | .18318 | 1.6619 | 44.277 |  |  |  |
| Stddev | .00326 | .00167 | .04     | .00248 | .0907  | .403   |  |  |  |
| %RSD   | .64139 | .53974 | .3457   | 1.3540 | 5.4607 | .91056 |  |  |  |

|    |        |        |       |        |        |        |  |  |  |
|----|--------|--------|-------|--------|--------|--------|--|--|--|
| #1 | .51022 | .30782 | 12.68 | .18193 | 1.7154 | 43.891 |  |  |  |
| #2 | .51003 | .30961 | 12.65 | .18157 | 1.7131 | 44.245 |  |  |  |
| #3 | .50448 | .31116 | 12.59 | .18603 | 1.5571 | 44.695 |  |  |  |

Sample Name: K2894-01A      Acquired: 5/17/2019 17:53:15      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB8216      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       | 4944.9 | 60012. | 5682.0 | 59.283 | 4244.3 |
| Stddev    | 12.3   | 151.   | 22.0   | .836   | 9.3    |
| %RSD      | .24865 | .25136 | .38737 | 1.4103 | .21910 |
| #1        | 4943.2 | 59915. | 5694.6 | 58.819 | 4239.2 |
| #2        | 4933.5 | 59936. | 5694.8 | 60.248 | 4238.6 |
| #3        | 4957.9 | 60186. | 5656.6 | 58.782 | 4255.0 |

Sample Name: CCV07      Acquired: 5/17/2019 17:57:35      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14978      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0688 | 5.0229 | 4.9548 | 5.0847 | 5.1204 | 9.6626 | 10.053 | .25153   |
| Stddev | .0119  | .0037  | .0158  | .0052  | .0094  | .0140  | .039   | .00088   |
| %RSD   | .23438 | .07413 | .31807 | .10218 | .18283 | .14456 | .38775 | .34978   |
| #1     | 5.0772 | 5.0272 | 4.9680 | 5.0830 | 5.1125 | 9.6752 | 10.042 | .25074   |
| #2     | 5.0741 | 5.0207 | 4.9373 | 5.0805 | 5.1307 | 9.6476 | 10.097 | .25248   |
| #3     | 5.0552 | 5.0208 | 4.9590 | 5.0905 | 5.1180 | 9.6649 | 10.021 | .25137   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4611 | 25.718 | .98485 | 2.5009 | 1.2536 | 4.9904 | 2.4193 | 24.553   |
| Stddev | .0032  | .076   | .00164 | .0016  | .0004  | .0047  | .0044  | .270     |
| %RSD   | .12915 | .29361 | .16648 | .06373 | .02880 | .09512 | .18048 | 1.0990   |
| #1     | 2.4641 | 25.640 | .98659 | 2.5018 | 1.2540 | 4.9857 | 2.4145 | 24.282   |
| #2     | 2.4578 | 25.723 | .98333 | 2.4991 | 1.2536 | 4.9952 | 2.4203 | 24.558   |
| #3     | 2.4615 | 25.790 | .98464 | 2.5018 | 1.2533 | 4.9903 | 2.4231 | 24.821   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4606 | 1.2387 | 25.127 | 2.5049 | 2.5194 | 24.232 | 5.0097 | 4.8048   |
| Stddev | .0056  | .0025  | .005   | .0045  | .0014  | .011   | .0040  | .0235    |
| %RSD   | .22844 | .19929 | .02111 | .18038 | .05769 | .04623 | .07998 | .48932   |
| #1     | 2.4651 | 1.2414 | 25.133 | 2.5098 | 2.5187 | 24.230 | 5.0128 | 4.8320   |
| #2     | 2.4543 | 1.2383 | 25.127 | 2.5037 | 2.5185 | 24.244 | 5.0110 | 4.7913   |
| #3     | 2.4623 | 1.2365 | 25.122 | 2.5010 | 2.5211 | 24.222 | 5.0052 | 4.7913   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0591 | 4.9663 | 4.9884 | 5.0524 | 4.8943 | 5.167  | 4.8286 | F 3.9797 |
| Stddev | .0158  | .0090  | .0107  | .0078  | .0174  | .004   | .0056  | .0031    |
| %RSD   | .31266 | .18168 | .21464 | .15494 | .35452 | .0855  | .11653 | .07659   |
| #1     | 5.0770 | 4.9667 | 4.9883 | 5.0606 | 4.9046 | 5.170  | 4.8293 | 3.9771   |
| #2     | 5.0468 | 4.9571 | 4.9778 | 5.0450 | 4.9040 | 5.162  | 4.8339 | 3.9831   |
| #3     | 5.0536 | 4.9751 | 4.9992 | 5.0515 | 4.8743 | 5.168  | 4.8227 | 3.9789   |

Sample Name: CCV07      Acquired: 5/17/2019 17:57:35      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14978      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.6283  
Stddev      .1327  
%RSD      5.0486

#1      2.7433  
#2      2.6585  
#3      2.4831

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4461.3 | 53666. | 4918.1 | 58.387 | 4324.5 |
| Stddev    | 9.7    | 64.    | 7.0    | 2.915  | 7.7    |
| %RSD      | .21803 | .11933 | .14321 | 4.9930 | .17870 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4456.1 | 53726. | 4922.9 | 55.383 | 4315.7 |
| #2 | 4455.3 | 53599. | 4910.0 | 58.573 | 4328.1 |
| #3 | 4472.5 | 53672. | 4921.4 | 61.205 | 4329.9 |

Sample Name: CCB07      Acquired: 5/17/2019 18:01:42      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14978      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00130  | .00047  | .00292  | .00101  | .00154  | -.03560 | .00092  | .00009   |
| Stddev | .00266  | .00034  | .00097  | .00136  | .00081  | .00668  | .00052  | .00003   |
| %RSD   | 204.17  | 71.458  | 33.280  | 135.21  | 52.345  | 18.774  | 57.000  | 30.910   |
| #1     | .00043  | .00036  | .00229  | .00071  | .00126  | -.03021 | .00139  | .00010   |
| #2     | -.00081 | .00085  | .00404  | .00250  | .00091  | -.03351 | .00036  | .00006   |
| #3     | .00429  | .00020  | .00244  | -.00018 | .00245  | -.04308 | .00100  | .00010   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004  | .01872  | .00033  | .00016  | -.00120 | -.00062 | -.00030 | -.03426  |
| Stddev | .00007  | .01596  | .00023  | .00004  | .00017  | .00061  | .00003  | .03501   |
| %RSD   | 183.55  | 85.275  | 71.981  | 28.200  | 14.484  | 98.807  | 9.2174  | 102.18   |
| #1     | .00008  | .01838  | .00012  | .00015  | -.00123 | -.00022 | -.00032 | -.07242  |
| #2     | .00007  | .03485  | .00028  | .00012  | -.00136 | -.00132 | -.00031 | -.00364  |
| #3     | -.00004 | .00293  | .00058  | .00020  | -.00102 | -.00031 | -.00027 | -.02671  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00042  | .00001  | -.00164 | .00034  | -.00091 | .12995  | .00013  | -.00685  |
| Stddev | .00023  | .00017  | .00149  | .00044  | .00021  | .01868  | .00022  | .00475   |
| %RSD   | 56.023  | 1465.6  | 90.956  | 132.34  | 22.508  | 14.376  | 175.00  | 69.307   |
| #1     | .00050  | .00005  | -.00317 | -.00018 | -.00093 | .15070  | .00038  | -.00516  |
| #2     | .00015  | .00016  | -.00158 | .00055  | -.00070 | .11447  | .00003  | -.00318  |
| #3     | .00060  | -.00017 | -.00018 | .00063  | -.00111 | .12468  | -.00003 | -.01221  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00110  | .00095  | -.00069 | -.00176 | -.00080 | -.0020  | -.00067 | F 2.8322 |
| Stddev | .00281  | .00199  | .00050  | .00048  | .00014  | .0020   | .00007  | .1600    |
| %RSD   | 255.06  | 209.31  | 72.361  | 27.163  | 17.775  | 101.6   | 9.7568  | 5.6497   |
| #1     | .00304  | .00030  | -.00090 | -.00212 | -.00092 | -.0022  | -.00059 | 2.6501   |
| #2     | .00237  | .00319  | -.00104 | -.00193 | -.00084 | .0001   | -.00071 | 2.9507   |
| #3     | -.00212 | -.00063 | -.00012 | -.00122 | -.00065 | -.0039  | -.00070 | 2.8956   |

Sample Name: CCB07      Acquired: 5/17/2019 18:01:42      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14978      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .23288 |
| Stddev | .21666   |
| %RSD   | 93.038   |

|    |        |
|----|--------|
| #1 | .22351 |
| #2 | .02105 |
| #3 | .45407 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4675.5 | 56777. | 4992.8 | 59.228 | 4950.2 |
| Stddev    | 11.9   | 110.   | 16.3   | .886   | 19.1   |
| %RSD      | .25495 | .19433 | .32563 | 1.4966 | .38624 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4666.7 | 56680. | 5010.2 | 59.483 | 4940.1 |
| #2 | 4670.7 | 56897. | 4978.0 | 59.958 | 4938.2 |
| #3 | 4689.1 | 56754. | 4990.3 | 58.242 | 4972.2 |

Sample Name: K2894-02      Acquired: 5/17/2019 18:06:11      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-04-9-10      Custom ID2:      Custom ID3:  
 Comment:

|        |          |         |        |        |         |        |        |         |
|--------|----------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .05937   | -.00217 | .31165 | .00680 | -.00185 | 120.28 | 1.8935 | .01522  |
| Stddev | .00334   | .00182  | .00172 | .00086 | .00185  | .76    | .0060  | .00026  |
| %RSD   | 5.6328   | 84.017  | .55273 | 12.617 | 99.803  | .63055 | .31893 | 1.7362  |
| #1     | .06310   | -.00415 | .31007 | .00686 | -.00171 | 119.43 | 1.8872 | .01493  |
| #2     | .05835   | -.00055 | .31349 | .00762 | -.00008 | 120.54 | 1.8941 | .01545  |
| #3     | .05665   | -.00181 | .31138 | .00591 | -.00377 | 120.88 | 1.8993 | .01529  |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00550   | 652.54  | .13316 | .08761 | 1.4758  | 156.97 | 2.3451 | 42.582  |
| Stddev | .00016   | 5.38    | .00066 | .00100 | .0004   | .36    | .0091  | .184    |
| %RSD   | 2.8529   | .82471  | .49796 | 1.1386 | .03044  | .22836 | .38945 | .43322  |
| #1     | .00559   | 657.27  | .13376 | .08873 | 1.4756  | 156.60 | 2.3345 | 42.444  |
| #2     | .00532   | 646.68  | .13326 | .08727 | 1.4763  | 157.32 | 2.3503 | 42.792  |
| #3     | .00560   | 653.66  | .13245 | .08683 | 1.4754  | 156.98 | 2.3505 | 42.511  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .25627   | -.00715 | 1.1821 | .22061 | 2.3005  | 14.688 | .00462 | -.01818 |
| Stddev | .00076   | .00030  | .0075  | .00070 | .0184   | .095   | .00016 | .00494  |
| %RSD   | .29829   | 4.2167  | .63563 | .31863 | .79897  | .64884 | 3.4410 | 27.158  |
| #1     | .25715   | -.00704 | 1.1846 | .22095 | 2.3109  | 14.585 | .00470 | -.01344 |
| #2     | .25576   | -.00749 | 1.1737 | .22107 | 2.2793  | 14.705 | .00473 | -.01781 |
| #3     | .25589   | -.00691 | 1.1880 | .21980 | 2.3113  | 14.774 | .00444 | -.02329 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | F 76.126 | 3.2455  | .01305 | .47123 | .25080  | 8.217  | 2.8763 | 1.0998  |
| Stddev | .628     | .0615   | .00043 | .00510 | .00074  | .035   | .0284  | .0283   |
| %RSD   | .82541   | 1.8950  | 3.2698 | 1.0819 | .29593  | .4208  | .98595 | 2.5731  |
| #1     | 76.420   | 3.3136  | .01338 | .46927 | .25000  | 8.253  | 2.8976 | 1.1275  |
| #2     | 75.404   | 3.2290  | .01320 | .46741 | .25147  | 8.185  | 2.8441 | 1.1012  |
| #3     | 76.553   | 3.1940  | .01257 | .47702 | .25093  | 8.212  | 2.8871 | 1.0709  |

Sample Name: K2894-02      Acquired: 5/17/2019 18:06:11      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-04-9-10      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 52.894 |
| Stddev | .701   |
| %RSD   | 1.3248 |

|    |        |
|----|--------|
| #1 | 52.560 |
| #2 | 53.699 |
| #3 | 52.423 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4881.7 | 59944. | 5980.4 | 57.049 | 3839.9 |
| Stddev    | 3.2    | 120.   | 55.9   | 1.242  | 28.7   |
| %RSD      | .06521 | .19951 | .93480 | 2.1762 | .74698 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4881.4 | 60011. | 5924.5 | 56.008 | 3824.0 |
| #2 | 4884.9 | 59806. | 6036.3 | 58.423 | 3873.0 |
| #3 | 4878.6 | 60016. | 5980.6 | 56.716 | 3822.6 |

Sample Name: K2894-03      Acquired: 5/17/2019 18:10:37      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-05-0-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |         |         |         |
|--------|--------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .05549 | .00266  | .68933 | -.00844 | .00170  | 155.06  | 1.0139  | .02097  |
| Stddev | .00266 | .00204  | .00192 | .00206  | .00248  | 1.17    | .0052   | .00031  |
| %RSD   | 4.7875 | 76.556  | .27892 | 24.385  | 146.04  | .75667  | .50987  | 1.4789  |
| #1     | .05656 | .00501  | .68979 | -.00615 | .00270  | 153.80  | 1.0080  | .02071  |
| #2     | .05744 | .00145  | .68722 | -.01013 | .00353  | 155.23  | 1.0171  | .02131  |
| #3     | .05246 | .00152  | .69098 | -.00905 | -.00113 | 156.13  | 1.0167  | .02088  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00965 | 76.914  | .16358 | .17401  | 1.3943  | 239.36  | 5.7391  | 54.443  |
| Stddev | .00012 | .244    | .00092 | .00039  | .0033   | 2.07    | .0500   | .296    |
| %RSD   | 1.2043 | .31785  | .56119 | .22341  | .23915  | .86451  | .87216  | .54410  |
| #1     | .00978 | 76.833  | .16296 | .17446  | 1.3924  | 240.11  | 5.7024  | 54.151  |
| #2     | .00964 | 77.189  | .16464 | .17377  | 1.3982  | 237.02  | 5.7189  | 54.435  |
| #3     | .00954 | 76.721  | .16316 | .17380  | 1.3924  | 240.95  | 5.7962  | 54.743  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .44808 | -.01205 | .47734 | .22932  | 2.0458  | 11.701  | .00300  | -.10329 |
| Stddev | .00095 | .00048  | .00400 | .00029  | .0020   | .070    | .00047  | .00807  |
| %RSD   | .21193 | 3.9573  | .83874 | .12638  | .09831  | .60029  | 15.639  | 7.8098  |
| #1     | .44866 | -.01153 | .48053 | .22899  | 2.0476  | 11.640  | .00355  | -.11195 |
| #2     | .44699 | -.01247 | .47865 | .22951  | 2.0436  | 11.685  | .00271  | -.10192 |
| #3     | .44860 | -.01215 | .47285 | .22947  | 2.0460  | 11.777  | .00275  | -.09599 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 6.1940 | 3.4347  | .08549 | .21080  | .26874  | F 11.67 | -.05357 | <.00000 |
| Stddev | .0171  | .0303   | .00092 | .00164  | .00159  | .03     | .00311  | .15590  |
| %RSD   | .27607 | .88097  | 1.0775 | .77932  | .59215  | .2599   | 5.8047  | 4.1800  |
| #1     | 6.2128 | 3.4631  | .08604 | .20914  | .26761  | 11.70   | -.05412 | -3.5513 |
| #2     | 6.1900 | 3.4382  | .08443 | .21084  | .26806  | 11.64   | -.05022 | -3.7989 |
| #3     | 6.1793 | 3.4028  | .08600 | .21243  | .27056  | 11.67   | -.05636 | -3.8392 |

Sample Name: K2894-03      Acquired: 5/17/2019 18:10:37      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-05-0-1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 93.168 |
| Stddev | .385     |
| %RSD   | .41277   |

|    |        |
|----|--------|
| #1 | 92.787 |
| #2 | 93.556 |
| #3 | 93.161 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5963.3 | 72126. | 7016.5 | 59.417 | 4044.4 |
| Stddev    | 9.9    | 191.   | 34.7   | .947   | 8.9    |
| %RSD      | .16679 | .26434 | .49422 | 1.5935 | .21889 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5955.7 | 72345. | 6997.1 | 60.146 | 4034.2 |
| #2 | 5959.6 | 72027. | 6995.8 | 58.347 | 4050.5 |
| #3 | 5974.5 | 72005. | 7056.5 | 59.758 | 4048.5 |

Sample Name: K2894-04      Acquired: 5/17/2019 18:15:11      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-05-4-5      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |         |        |        |         |         |
|--------|----------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.2195   | .00981  | .51076 | -.02178 | .01015 | 119.57 | 1.1910  | .03149  |
| Stddev | .0006    | .00124  | .00314 | .00116  | .00169 | .33    | .0037   | .00038  |
| %RSD   | .05164   | 12.610  | .61510 | 5.3128  | 16.600 | .27912 | .31377  | 1.2031  |
| #1     | 1.2199   | .00901  | .50774 | -.02270 | .00852 | 119.42 | 1.1889  | .03181  |
| #2     | 1.2199   | .01123  | .51401 | -.02048 | .01004 | 119.95 | 1.1954  | .03107  |
| #3     | 1.2188   | .00919  | .51052 | -.02216 | .01189 | 119.34 | 1.1889  | .03158  |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00236   | 45.156  | .10998 | .07268  | 1.6123 | 468.96 | 2.8884  | 40.324  |
| Stddev | .00019   | .276    | .00052 | .00015  | .0018  | 2.77   | .0125   | .101    |
| %RSD   | 8.1006   | .61061  | .47362 | .20705  | .10877 | .59144 | .43131  | .25127  |
| #1     | .00221   | 45.085  | .11036 | .07280  | 1.6139 | 471.44 | 2.8925  | 40.347  |
| #2     | .00229   | 44.923  | .10939 | .07273  | 1.6126 | 469.49 | 2.8983  | 40.412  |
| #3     | .00258   | 45.460  | .11020 | .07251  | 1.6104 | 465.96 | 2.8744  | 40.214  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .18317   | -.04160 | 2.8554 | .32572  | .91267 | 10.796 | .04184  | -.35728 |
| Stddev | .00041   | .00081  | .0154  | .00103  | .00138 | .103   | .00073  | .00521  |
| %RSD   | .22509   | 1.9465  | .53805 | .31693  | .15128 | .95667 | 1.7384  | 1.4568  |
| #1     | .18363   | -.04099 | 2.8724 | .32562  | .91108 | 10.883 | .04265  | -.35868 |
| #2     | .18284   | -.04130 | 2.8514 | .32474  | .91356 | 10.822 | .04123  | -.36164 |
| #3     | .18303   | -.04252 | 2.8424 | .32679  | .91338 | 10.682 | .04166  | -.35152 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | F 30.014 | 4.3614  | .11855 | .59695  | .32245 | 8.656  | -.04725 | .35767  |
| Stddev | .010     | .0366   | .00037 | .00860  | .00112 | .021   | .00495  | .07631  |
| %RSD   | .03196   | .83845  | .30900 | 1.4400  | .34887 | .2471  | 10.467  | 21.336  |
| #1     | 30.005   | 4.3968  | .11816 | .58922  | .32253 | 8.637  | -.05014 | .31926  |
| #2     | 30.011   | 4.3238  | .11859 | .60621  | .32129 | 8.680  | -.05008 | .30819  |
| #3     | 30.024   | 4.3636  | .11888 | .59544  | .32354 | 8.652  | -.04154 | .44555  |

Sample Name: K2894-04      Acquired: 5/17/2019 18:15:11      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-05-4-5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 157.83 |
| Stddev | .85      |
| %RSD   | .54135   |

|    |        |
|----|--------|
| #1 | 157.03 |
| #2 | 157.72 |
| #3 | 158.73 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4654.0 | 56374. | 5436.0 | 57.780 | 4013.2 |
| Stddev    | 9.5    | 146.   | 38.3   | 2.224  | 7.9    |
| %RSD      | .20506 | .25897 | .70505 | 3.8496 | .19745 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4646.9 | 56270. | 5427.6 | 55.581 | 4013.1 |
| #2 | 4650.4 | 56311. | 5477.9 | 57.730 | 4005.3 |
| #3 | 4664.9 | 56541. | 5402.6 | 60.028 | 4021.1 |

Sample Name: K2894-05      Acquired: 5/17/2019 18:19:37      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SS-01-0-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .11538 | .00200 | .50081 | -.00188 | .00125 | 100.63 | .63942 | .01322 |
| Stddev | .00306 | .00156 | .00263 | .00367  | .00187 | .06    | .00190 | .00009 |
| %RSD   | 2.6483 | 77.963 | .52466 | 195.63  | 149.92 | .06285 | .29713 | .67233 |

|    |        |        |        |         |         |        |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|--------|
| #1 | .11885 | .00381 | .50142 | -.00609 | -.00091 | 100.55 | .63932 | .01332 |
| #2 | .11309 | .00111 | .49794 | -.00022 | .00235  | 100.65 | .64137 | .01317 |
| #3 | .11420 | .00109 | .50309 | .00068  | .00230  | 100.67 | .63757 | .01317 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00188 | 395.38 | .12311 | .11180 | 2.3319 | 194.39 | 5.9741 | 49.732 |
| Stddev | .00023 | 1.27   | .00016 | .00009 | .0049  | .39    | .0379  | .260   |
| %RSD   | 12.050 | .32211 | .12804 | .08429 | .20903 | .20237 | .63378 | .52212 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00173 | 396.82 | .12317 | .11187 | 2.3369 | 194.67 | 6.0096 | 49.770 |
| #2 | .00178 | 394.88 | .12293 | .11169 | 2.3317 | 193.94 | 5.9343 | 49.971 |
| #3 | .00215 | 394.42 | .12323 | .11184 | 2.3272 | 194.57 | 5.9786 | 49.456 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .25640 | -.00866 | .78307 | .19573 | 1.5232 | 9.9321 | .00496 | -.03554 |
| Stddev | .00173 | .00039  | .00474 | .00044 | .0011  | .0413  | .00031 | .00645  |
| %RSD   | .67342 | 4.5194  | .60483 | .22364 | .07460 | .41549 | 6.2434 | 18.157  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .25798 | -.00844 | .77760 | .19529 | 1.5245 | 9.9736 | .00495 | -.02836 |
| #2 | .25456 | -.00842 | .78568 | .19617 | 1.5224 | 9.8911 | .00527 | -.04085 |
| #3 | .25665 | -.00911 | .78592 | .19572 | 1.5226 | 9.9317 | .00465 | -.03742 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.9314 | 3.9265 | .05981 | .32830 | .19159 | 7.958  | .43293 | 1.1812 |
| Stddev | .0190  | .0168  | .00126 | .00353 | .00120 | .030   | .00214 | .1283  |
| %RSD   | .48265 | .42775 | 2.1057 | 1.0764 | .62376 | .3758  | .49488 | 10.860 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 3.9403 | 3.9407 | .06059 | .33219 | .19134 | 7.983 | .43535 | 1.0503 |
| #2 | 3.9096 | 3.9308 | .05836 | .32742 | .19289 | 7.925 | .43216 | 1.3067 |
| #3 | 3.9442 | 3.9080 | .06049 | .32529 | .19054 | 7.965 | .43127 | 1.1867 |

Sample Name: K2894-05      Acquired: 5/17/2019 18:19:37      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SS-01-0-1      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      61.325  
Stddev      .475  
%RSD      .77521

#1      60.849  
#2      61.327  
#3      61.800

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4888.8 | 58992. | 5810.9 | 57.779 | 3984.4 |
| Stddev    | 15.8   | 44.    | 28.8   | .182   | 10.6   |
| %RSD      | .32419 | .07448 | .49577 | .31543 | .26708 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4870.5 | 58941. | 5779.0 | 57.660 | 3974.8 |
| #2 | 4897.0 | 59021. | 5834.9 | 57.989 | 3995.8 |
| #3 | 4898.9 | 59013. | 5818.9 | 57.688 | 3982.7 |

Sample Name: K2894-06      Acquired: 5/17/2019 18:24:13      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SS-02-0-1      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |         |        |        |        |         |
|--------|----------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .08680   | -.01145 | 3.6556 | -.03147 | .01910 | 137.80 | 8.7838 | .02089  |
| Stddev | .00154   | .00141  | .0058  | .00318  | .00149 | 1.32   | .0904  | .00030  |
| %RSD   | 1.7732   | 12.336  | .15896 | 10.097  | 7.8176 | .95479 | 1.0287 | 1.4190  |
| #1     | .08592   | -.01308 | 3.6577 | -.03511 | .01856 | 136.34 | 8.6903 | .02066  |
| #2     | .08858   | -.01060 | 3.6601 | -.03005 | .01794 | 138.17 | 8.7906 | .02122  |
| #3     | .08590   | -.01067 | 3.6491 | -.02925 | .02078 | 138.89 | 8.8707 | .02078  |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .01353   | 837.89  | .25296 | .07963  | 1.1576 | 314.36 | 4.2660 | 57.635  |
| Stddev | .00022   | 2.11    | .00146 | .00063  | .0013  | 1.72   | .0179  | .557    |
| %RSD   | 1.5972   | .25226  | .57651 | .79410  | .11354 | .54626 | .42016 | .96722  |
| #1     | .01352   | 838.08  | .25394 | .07899  | 1.1561 | 312.55 | 4.2457 | 57.023  |
| #2     | .01333   | 835.69  | .25365 | .07963  | 1.1582 | 315.97 | 4.2795 | 57.767  |
| #3     | .01376   | 839.91  | .25128 | .08026  | 1.1585 | 314.55 | 4.2730 | 58.114  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .23501   | -.02278 | 11.948 | .39230  | 10.599 | 10.938 | .00971 | -.10780 |
| Stddev | .00278   | .00046  | .137   | .00107  | .009   | .112   | .00025 | .01918  |
| %RSD   | 1.1833   | 2.0002  | 1.1486 | .27197  | .08382 | 1.0199 | 2.5269 | 17.797  |
| #1     | .23345   | -.02312 | 11.805 | .39108  | 10.606 | 10.809 | .00945 | -.12567 |
| #2     | .23335   | -.02226 | 11.960 | .39306  | 10.602 | 10.996 | .00975 | -.11020 |
| #3     | .23822   | -.02296 | 12.079 | .39276  | 10.589 | 11.008 | .00994 | -.08753 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 14.757 | 2.1525  | .26179 | 2.9213  | .13294 | 6.319  | 1.1807 | 1.9824  |
| Stddev | .068     | .0091   | .00251 | .0111   | .00118 | .026   | .0034  | .1844   |
| %RSD   | .46361   | .42337  | .95838 | .37823  | .88550 | .4194  | .28695 | 9.2997  |
| #1     | 14.729   | 2.1552  | .26072 | 2.9118  | .13268 | 6.307  | 1.1829 | 2.1796  |
| #2     | 14.708   | 2.1424  | .25999 | 2.9186  | .13423 | 6.300  | 1.1768 | 1.9535  |
| #3     | 14.835   | 2.1600  | .26466 | 2.9334  | .13192 | 6.349  | 1.1824 | 1.8143  |

Sample Name: K2894-06      Acquired: 5/17/2019 18:24:13      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SS-02-0-1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 101.33 |
| Stddev | .22      |
| %RSD   | .21452   |

|    |        |
|----|--------|
| #1 | 101.15 |
| #2 | 101.57 |
| #3 | 101.26 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4493.5 | 54635. | 5493.8 | 54.057 | 3625.6 |
| Stddev    | 9.0    | 138.   | 36.1   | .421   | 2.9    |
| %RSD      | .20050 | .25318 | .65754 | .77909 | .08017 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4503.9 | 54794. | 5453.4 | 53.670 | 3628.7 |
| #2 | 4488.4 | 54563. | 5504.9 | 53.996 | 3625.3 |
| #3 | 4488.1 | 54547. | 5523.1 | 54.506 | 3623.0 |

Sample Name: K2894-07      Acquired: 5/17/2019 18:28:46      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-06-0-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |         |
|--------|--------|---------|--------|---------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .06083 | .00253  | .42608 | .00074  | -.00026 | 106.86 | .64589 | .01391  |
| Stddev | .00251 | .00087  | .00088 | .00146  | .00230  | .32    | .00123 | .00013  |
| %RSD   | 4.1207 | 34.441  | .20699 | 198.82  | 868.45  | .30372 | .18983 | .93362  |
| #1     | .06216 | .00183  | .42525 | .00091  | -.00204 | 107.01 | .64615 | .01377  |
| #2     | .05794 | .00351  | .42700 | .00211  | .00233  | 107.09 | .64696 | .01402  |
| #3     | .06239 | .00226  | .42599 | -.00081 | -.00109 | 106.49 | .64455 | .01393  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00586 | 157.44  | .11864 | .11727  | 1.5855  | 207.21 | 6.1481 | 50.474  |
| Stddev | .00016 | .17     | .00027 | .00028  | .0003   | .39    | .0430  | .188    |
| %RSD   | 2.7893 | .10686  | .22448 | .23941  | .01641  | .18840 | .69955 | .37313  |
| #1     | .00568 | 157.37  | .11864 | .11703  | 1.5855  | 207.53 | 6.1765 | 50.347  |
| #2     | .00599 | 157.63  | .11891 | .11758  | 1.5853  | 207.32 | 6.1691 | 50.386  |
| #3     | .00591 | 157.32  | .11838 | .11721  | 1.5858  | 206.77 | 6.0986 | 50.691  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .27753 | -.00824 | .51830 | .18591  | 2.1790  | 10.693 | .00537 | -.03681 |
| Stddev | .00063 | .00015  | .00344 | .00113  | .0042   | .011   | .00030 | .00476  |
| %RSD   | .22572 | 1.8204  | .66365 | .60714  | .19470  | .10311 | 5.5605 | 12.937  |
| #1     | .27725 | -.00808 | .52189 | .18607  | 2.1828  | 10.681 | .00551 | -.03569 |
| #2     | .27709 | -.00838 | .51504 | .18694  | 2.1744  | 10.698 | .00558 | -.04204 |
| #3     | .27824 | -.00827 | .51795 | .18471  | 2.1797  | 10.701 | .00503 | -.03271 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | 2.8858 | 3.7731  | .07268 | .29917  | .19382  | 8.072  | .08433 | .42010  |
| Stddev | .0153  | .0310   | .00060 | .00742  | .00075  | .019   | .00077 | .16373  |
| %RSD   | .53112 | .82073  | .83099 | 2.4797  | .38586  | .2382  | .91281 | 38.973  |
| #1     | 2.8702 | 3.8030  | .07206 | .30479  | .19425  | 8.059  | .08433 | .27522  |
| #2     | 2.8862 | 3.7751  | .07326 | .30197  | .19296  | 8.064  | .08510 | .59772  |
| #3     | 2.9009 | 3.7412  | .07271 | .29076  | .19426  | 8.094  | .08356 | .38736  |

Sample Name: K2894-07      Acquired: 5/17/2019 18:28:46      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-06-0-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 66.440 |
| Stddev | .418   |
| %RSD   | .62982 |

|    |        |
|----|--------|
| #1 | 66.332 |
| #2 | 66.902 |
| #3 | 66.086 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5059.0 | 61121. | 5911.4 | 59.565 | 4157.2 |
| Stddev    | 6.3    | 194.   | 12.4   | .663   | 2.1    |
| %RSD      | .12420 | .31784 | .20978 | 1.1128 | .05067 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5063.0 | 60915. | 5907.0 | 59.010 | 4159.6 |
| #2 | 5051.8 | 61147. | 5901.7 | 60.299 | 4156.0 |
| #3 | 5062.2 | 61301. | 5925.4 | 59.386 | 4156.0 |

Sample Name: K2894-08      Acquired: 5/17/2019 18:33:21      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-06-3-4      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04453 | .00128 | .56167 | .00534 | .00527 | 70.368 | .52452 | .00909 |
| Stddev | .00442 | .00127 | .00075 | .00429 | .00189 | .499   | .00349 | .00011 |
| %RSD   | 9.9278 | 98.607 | .13397 | 80.349 | 35.768 | .70944 | .66548 | 1.2229 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .04863 | .00190  | .56122 | .00955 | .00342 | 70.440 | .52224 | .00921 |
| #2 | .03984 | -.00017 | .56125 | .00098 | .00521 | 69.837 | .52278 | .00898 |
| #3 | .04511 | .00213  | .56254 | .00548 | .00719 | 70.828 | .52854 | .00908 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00083 | 64.287 | .07721 | .07033 | 2.2733 | 157.58 | 4.5544 | 37.745 |
| Stddev | .00013  | 3.042  | .00035 | .00018 | .0017  | .66    | .0339  | .099   |
| %RSD   | 15.733  | 4.7323 | .45809 | .26042 | .07449 | .42097 | .74496 | .26173 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00097 | 66.706 | .07748 | .07012 | 2.2744 | 158.34 | 4.5380 | 37.638 |
| #2 | -.00071 | 60.871 | .07735 | .07041 | 2.2741 | 157.22 | 4.5934 | 37.832 |
| #3 | -.00081 | 65.283 | .07681 | .07046 | 2.2713 | 157.17 | 4.5318 | 37.766 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .15942 | -.00345 | .37484 | .12474 | 1.4948 | 6.7801 | .00044 | -.00836 |
| Stddev | .00079 | .00049  | .00957 | .00111 | .0034  | .0380  | .00019 | .01126  |
| %RSD   | .49758 | 14.140  | 2.5531 | .88927 | .22766 | .56067 | 42.035 | 134.63  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .15884 | -.00289 | .37216 | .12517 | 1.4973 | 6.7380 | .00053 | .00215  |
| #2 | .16033 | -.00377 | .38547 | .12556 | 1.4910 | 6.7905 | .00023 | -.02023 |
| #3 | .15910 | -.00369 | .36690 | .12348 | 1.4963 | 6.8119 | .00056 | -.00700 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 2.5155 | 3.2218 | .10867 | .32036 | .12270 | 7.314  | -.02794 | 1.3845 |
| Stddev | .0032  | .1570  | .00133 | .01613 | .00811 | .008   | .00672  | .0981  |
| %RSD   | .12880 | 4.8714 | 1.2204 | 5.0337 | 6.6081 | .1114  | 24.055  | 7.0838 |

|    |        |        |        |        |        |       |         |        |
|----|--------|--------|--------|--------|--------|-------|---------|--------|
| #1 | 2.5191 | 3.3675 | .10973 | .33505 | .12743 | 7.321 | -.02422 | 1.3049 |
| #2 | 2.5129 | 3.0556 | .10911 | .30311 | .11334 | 7.316 | -.03570 | 1.3546 |
| #3 | 2.5143 | 3.2423 | .10719 | .32293 | .12734 | 7.305 | -.02390 | 1.4941 |

Sample Name: K2894-08      Acquired: 5/17/2019 18:33:21      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-06-3-4      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 48.623 |
| Stddev | .264   |
| %RSD   | .54202 |

|    |        |
|----|--------|
| #1 | 48.319 |
| #2 | 48.760 |
| #3 | 48.789 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4966.2 | 60246. | 5828.3 | 60.673 | 4362.2 |
| Stddev    | 11.4   | 213.   | 263.1  | 3.186  | 11.1   |
| %RSD      | .22946 | .35362 | 4.5136 | 5.2513 | .25549 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4954.6 | 60176. | 5591.7 | 58.807 | 4350.8 |
| #2 | 4966.8 | 60076. | 6111.6 | 64.352 | 4373.0 |
| #3 | 4977.4 | 60485. | 5781.5 | 58.859 | 4363.0 |

Sample Name: K2894-09      Acquired: 5/17/2019 18:37:50      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-07-0-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |         |         |         |
|--------|--------|---------|--------|---------|--------|---------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .10512 | .00243  | .23742 | -.01135 | .00127 | 147.86  | 1.0536  | .01946  |
| Stddev | .00253 | .00029  | .00360 | .00216  | .00064 | 1.47    | .0082   | .00025  |
| %RSD   | 2.4071 | 11.974  | 1.5147 | 19.065  | 50.499 | .99196  | .77722  | 1.2683  |
| #1     | .10249 | .00273  | .24134 | -.01380 | .00181 | 146.18  | 1.0455  | .01921  |
| #2     | .10535 | .00240  | .23428 | -.01056 | .00146 | 148.52  | 1.0534  | .01971  |
| #3     | .10754 | .00215  | .23665 | -.00969 | .00056 | 148.88  | 1.0619  | .01946  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00352 | 138.74  | .14037 | .16254  | .36826 | 271.06  | 11.809  | 59.871  |
| Stddev | .00015 | .30     | .00052 | .00061  | .00110 | .35     | .031    | .495    |
| %RSD   | 4.1249 | .21681  | .37226 | .37650  | .29829 | .13068  | .26121  | .82603  |
| #1     | .00366 | 138.40  | .14014 | .16286  | .36949 | 271.25  | 11.778  | 59.309  |
| #2     | .00352 | 138.84  | .14001 | .16183  | .36791 | 271.28  | 11.839  | 60.064  |
| #3     | .00337 | 138.97  | .14097 | .16293  | .36738 | 270.65  | 11.809  | 60.240  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664  | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .30263 | -.01347 | .49443 | .22749  | 1.1797 | 10.297  | .00251  | -.11445 |
| Stddev | .00131 | .00042  | .01163 | .00216  | .0035  | .057    | .00021  | .01539  |
| %RSD   | .43349 | 3.1269  | 2.3528 | .95159  | .29758 | .55400  | 8.4201  | 13.448  |
| #1     | .30408 | -.01324 | .48229 | .22582  | 1.1813 | 10.231  | .00238  | -.12959 |
| #2     | .30231 | -.01320 | .50547 | .22672  | 1.1757 | 10.327  | .00241  | -.11493 |
| #3     | .30151 | -.01395 | .49552 | .22994  | 1.1822 | 10.332  | .00276  | -.09882 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774  | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | 4.3148 | 3.5067  | .01290 | .27381  | .27220 | F 12.20 | -.07472 | <.00000 |
| Stddev | .0117  | .0177   | .00061 | .00532  | .00120 | .03     | .00031  | .09224  |
| %RSD   | .27152 | .50581  | 4.7166 | 1.9425  | .44240 | .2178   | .40926  | 17.862  |
| #1     | 4.3265 | 3.5093  | .01290 | .27353  | .27113 | 12.23   | -.07503 | -.45405 |
| #2     | 4.3031 | 3.4878  | .01229 | .27926  | .27350 | 12.18   | -.07471 | -.62235 |
| #3     | 4.3148 | 3.5229  | .01350 | .26863  | .27198 | 12.20   | -.07442 | -.47279 |

Sample Name: K2894-09      Acquired: 5/17/2019 18:37:50      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-07-0-1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 94.776 |
| Stddev | .432     |
| %RSD   | .45564   |

|    |        |
|----|--------|
| #1 | 95.257 |
| #2 | 94.650 |
| #3 | 94.422 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5309.4 | 64288. | 6255.8 | 57.410 | 4032.7 |
| Stddev    | 14.2   | 10.    | 46.5   | 1.604  | 6.2    |
| %RSD      | .26822 | .01502 | .74252 | 2.7932 | .15298 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5299.1 | 64290. | 6205.8 | 57.672 | 4025.6 |
| #2 | 5303.3 | 64277. | 6264.1 | 55.692 | 4035.3 |
| #3 | 5325.6 | 64296. | 6297.5 | 58.867 | 4037.1 |

Sample Name: K2894-10      Acquired: 5/17/2019 18:42:24      Type: Unk

Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000

User: Bin He      Custom ID1: SB-07-2.5-3.      Custom ID2:      Custom ID3:

Comment:

|        |          |         |        |        |        |        |        |         |
|--------|----------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .17157   | -.00212 | 1.9088 | .02321 | .01459 | 61.887 | .96694 | .02270  |
| Stddev | .00287   | .00106  | .0107  | .00177 | .00044 | .248   | .00103 | .00022  |
| %RSD   | 1.6720   | 50.215  | .55936 | 7.6213 | 3.0476 | .40137 | .10642 | .98605  |
| #1     | .17391   | -.00154 | 1.9096 | .02413 | .01472 | 61.631 | .96805 | .02295  |
| #2     | .17243   | -.00147 | 1.8977 | .02433 | .01409 | 61.903 | .96603 | .02253  |
| #3     | .16837   | -.00335 | 1.9190 | .02117 | .01495 | 62.127 | .96673 | .02261  |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00300   | 72.971  | .08214 | .07960 | 9.6698 | 297.14 | 1.5856 | 16.740  |
| Stddev | .00044   | .363    | .00091 | .00016 | .0100  | .98    | .0008  | .142    |
| %RSD   | 14.845   | .49695  | 1.1035 | .20156 | .10365 | .33135 | .05062 | .85026  |
| #1     | .00311   | 73.388  | .08314 | .07978 | 9.6649 | 296.79 | 1.5847 | 16.703  |
| #2     | .00251   | 72.731  | .08193 | .07952 | 9.6813 | 298.26 | 1.5858 | 16.620  |
| #3     | .00337   | 72.794  | .08137 | .07949 | 9.6632 | 296.38 | 1.5863 | 16.898  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .22623   | -.01524 | .91766 | .39735 | 2.3385 | 7.6446 | .06228 | -.10222 |
| Stddev | .00054   | .00054  | .00283 | .00102 | .0013  | .0743  | .00044 | .02434  |
| %RSD   | .23807   | 3.5523  | .30811 | .25730 | .05341 | .97219 | .70720 | 23.813  |
| #1     | .22661   | -.01524 | .91805 | .39843 | 2.3399 | 7.5716 | .06230 | -.08117 |
| #2     | .22561   | -.01578 | .91465 | .39721 | 2.3381 | 7.7202 | .06183 | -.12887 |
| #3     | .22647   | -.01469 | .92027 | .39640 | 2.3376 | 7.6422 | .06271 | -.09660 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 10.276 | 1.1111  | .22430 | 1.5795 | .12266 | 9.157  | .00611 | <.00000 |
| Stddev | .055     | .0195   | .00296 | .0076  | .00128 | .034   | .00230 | .02141  |
| %RSD   | .53802   | 1.7578  | 1.3185 | .47804 | 1.0439 | .3722  | 37.603 | 26.160  |
| #1     | 10.289   | 1.1217  | .22688 | 1.5708 | .12118 | 9.170  | .00789 | -.06095 |
| #2     | 10.215   | 1.1230  | .22107 | 1.5833 | .12329 | 9.118  | .00352 | -.08088 |
| #3     | 10.323   | 1.0885  | .22495 | 1.5845 | .12350 | 9.183  | .00693 | -.10375 |

Sample Name: K2894-10      Acquired: 5/17/2019 18:42:24      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-07-2.5-3. Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 100.27 |
| Stddev | .17      |
| %RSD   | .16898   |

|    |        |
|----|--------|
| #1 | 100.35 |
| #2 | 100.38 |
| #3 | 100.08 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5100.2 | 62575. | 5902.3 | 59.077 | 4238.9 |
| Stddev    | 5.0    | 177.   | 42.7   | 2.244  | 5.9    |
| %RSD      | .09871 | .28277 | .72359 | 3.7982 | .13933 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5100.8 | 62509. | 5856.0 | 57.719 | 4234.3 |
| #2 | 5094.9 | 62440. | 5910.7 | 57.845 | 4236.8 |
| #3 | 5104.9 | 62775. | 5940.2 | 61.667 | 4245.6 |

Sample Name: K2894-12      Acquired: 5/17/2019 18:46:41      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-08-0-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |         |         |         |
|--------|--------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .11611 | .00314  | .40659 | -.00920 | .00140  | 142.29  | .99936  | .01842  |
| Stddev | .00163 | .00150  | .00136 | .00205  | .00148  | .57     | .00242  | .00028  |
| %RSD   | 1.4034 | 47.854  | .33453 | 22.276  | 105.82  | .40392  | .24196  | 1.5289  |
| #1     | .11441 | .00249  | .40758 | -.00700 | -.00031 | 141.79  | 1.0000  | .01831  |
| #2     | .11628 | .00207  | .40715 | -.00955 | .00213  | 142.92  | 1.0014  | .01874  |
| #3     | .11766 | .00486  | .40504 | -.01106 | .00238  | 142.16  | .99668  | .01821  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00379 | 97.743  | .15099 | .15119  | .89087  | 269.36  | 11.547  | 53.371  |
| Stddev | .00050 | .251    | .00027 | .00064  | .00279  | 1.74    | .011    | .076    |
| %RSD   | 13.116 | .25719  | .18042 | .42610  | .31289  | .64514  | .09794  | .14272  |
| #1     | .00347 | 98.014  | .15078 | .15132  | .88890  | 271.16  | 11.544  | 53.380  |
| #2     | .00436 | 97.518  | .15130 | .15175  | .88965  | 267.69  | 11.559  | 53.443  |
| #3     | .00353 | 97.697  | .15089 | .15049  | .89406  | 269.25  | 11.538  | 53.291  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .28183 | -.01344 | .47329 | .22362  | 1.4396  | 9.9812  | .00059  | -.09653 |
| Stddev | .00109 | .00063  | .00595 | .00038  | .0021   | .0437   | .00025  | .00996  |
| %RSD   | .38713 | 4.6800  | 1.2562 | .16959  | .14750  | .43761  | 41.736  | 10.320  |
| #1     | .28085 | -.01314 | .47787 | .22320  | 1.4391  | 9.9584  | .00087  | -.10505 |
| #2     | .28300 | -.01302 | .47543 | .22394  | 1.4378  | 10.032  | .00039  | -.09895 |
| #3     | .28163 | -.01416 | .46657 | .22372  | 1.4419  | 9.9537  | .00052  | -.08558 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 3.7561 | 3.2870  | .03395 | .30244  | .28630  | F 13.21 | -.09363 | <.00000 |
| Stddev | .0195  | .0510   | .00067 | .00326  | .00239  | .04     | .00171  | .22193  |
| %RSD   | .51980 | 1.5499  | 1.9810 | 1.0787  | .83571  | .3122   | 1.8247  | 32.441  |
| #1     | 3.7740 | 3.3425  | .03381 | .30476  | .28522  | 13.21   | -.09540 | -.89099 |
| #2     | 3.7590 | 3.2423  | .03468 | .30385  | .28904  | 13.26   | -.09199 | -.44969 |
| #3     | 3.7353 | 3.2763  | .03336 | .29871  | .28463  | 13.17   | -.09351 | -.71163 |

Sample Name: K2894-12      Acquired: 5/17/2019 18:46:41      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-08-0-1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 94.840 |
| Stddev | .296     |
| %RSD   | .31245   |

|    |        |
|----|--------|
| #1 | 95.038 |
| #2 | 94.983 |
| #3 | 94.499 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5335.4 | 64763. | 6308.6 | 60.156 | 4080.3 |
| Stddev    | 8.6    | 168.   | 33.8   | .432   | 2.1    |
| %RSD      | .16190 | .25979 | .53638 | .71807 | .05160 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5338.5 | 64571. | 6273.9 | 59.659 | 4081.0 |
| #2 | 5325.6 | 64885. | 6341.5 | 60.362 | 4078.0 |
| #3 | 5342.0 | 64831. | 6310.6 | 60.445 | 4082.0 |

Sample Name: CCV08      Acquired: 5/17/2019 18:51:15      Type: Unk  
Method: P4-ICP2(v3131)      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    | 5.0742 | 5.0106 | 4.9513 | 5.0878 | 5.0991 | 9.6461 | 10.076 | .25072   |
| Stddev | .0094  | .0205  | .0050  | .0087  | .0087  | .0045  | .008   | .00124   |
| %RSD   | .18502 | .40989 | .10092 | .17138 | .17111 | .04707 | .08231 | .49295   |
| #1     | 5.0639 | 5.0341 | 4.9526 | 5.0968 | 5.1054 | 9.6460 | 10.074 | .24934   |
| #2     | 5.0763 | 5.0017 | 4.9458 | 5.0872 | 5.0891 | 9.6416 | 10.085 | .25109   |
| #3     | 5.0824 | 4.9960 | 4.9556 | 5.0794 | 5.1028 | 9.6507 | 10.069 | .25173   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4551 | 25.711 | .98017 | 2.5027 | 1.2523 | 4.9884 | 2.3824 | 24.536   |
| Stddev | .0033  | .084   | .00238 | .0043  | .0020  | .0063  | .0085  | .118     |
| %RSD   | .13523 | .32702 | .24306 | .17190 | .15945 | .12709 | .35577 | .48136   |
| #1     | 2.4577 | 25.614 | .98148 | 2.5070 | 1.2540 | 4.9878 | 2.3796 | 24.458   |
| #2     | 2.4514 | 25.766 | .97742 | 2.4984 | 1.2501 | 4.9824 | 2.3757 | 24.478   |
| #3     | 2.4563 | 25.752 | .98162 | 2.5026 | 1.2529 | 4.9950 | 2.3919 | 24.672   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4590 | 1.2389 | 25.197 | 2.5075 | 2.5248 | 24.089 | 4.9990 | 4.7501   |
| Stddev | .0043  | .0007  | .046   | .0035  | .0030  | .083   | .0067  | .0046    |
| %RSD   | .17494 | .05930 | .18217 | .13841 | .11849 | .34584 | .13369 | .09719   |
| #1     | 2.4631 | 1.2389 | 25.247 | 2.5065 | 2.5263 | 24.157 | 5.0059 | 4.7549   |
| #2     | 2.4546 | 1.2382 | 25.157 | 2.5046 | 2.5214 | 23.997 | 4.9985 | 4.7497   |
| #3     | 2.4592 | 1.2396 | 25.187 | 2.5113 | 2.5268 | 24.114 | 4.9926 | 4.7457   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0758 | 4.9513 | 5.0011 | 5.0432 | 4.8148 | 5.168  | 4.7883 | F 4.3496 |
| Stddev | .0047  | .0081  | .0108  | .0145  | .0150  | .014   | .0092  | .1340    |
| %RSD   | .09248 | .16444 | .21534 | .28732 | .31180 | .2786  | .19273 | 3.0795   |
| #1     | 5.0799 | 4.9485 | 5.0136 | 5.0333 | 4.8313 | 5.185  | 4.7971 | 4.4777   |
| #2     | 5.0706 | 4.9449 | 4.9950 | 5.0599 | 4.8021 | 5.163  | 4.7787 | 4.3607   |
| #3     | 5.0768 | 4.9604 | 4.9948 | 5.0366 | 4.8109 | 5.158  | 4.7892 | 4.2105   |

Sample Name: CCV08      Acquired: 5/17/2019 18:51:15      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.4467 |
| Stddev | .5440    |
| %RSD   | 22.233   |

|    |        |
|----|--------|
| #1 | 2.5151 |
| #2 | 1.8718 |
| #3 | 2.9533 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4485.8 | 54026. | 4976.5 | 57.216 | 4343.1 |
| Stddev    | 8.9    | 221.   | 22.3   | 1.256  | 11.8   |
| %RSD      | .19919 | .40832 | .44710 | 2.1944 | .27158 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4475.5 | 53877. | 4970.5 | 57.800 | 4329.6 |
| #2 | 4489.9 | 53922. | 4957.9 | 55.775 | 4351.6 |
| #3 | 4491.9 | 54280. | 5001.2 | 58.073 | 4348.1 |

Sample Name: CCB08      Acquired: 5/17/2019 18:55:23      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00283  | .00135  | .00244  | .00090  | .00040  | -.04298 | .00092  | .00003   |
| Stddev | .00159  | .00085  | .00050  | .00077  | .00332  | .00776  | .00034  | .00006   |
| %RSD   | 56.260  | 62.856  | 20.425  | 85.228  | 831.70  | 18.050  | 36.910  | 219.40   |
| #1     | .00225  | .00166  | .00263  | .00174  | -.00336 | -.03726 | .00095  | .00010   |
| #2     | .00463  | .00199  | .00281  | .00071  | .00165  | -.03988 | .00124  | -.00001  |
| #3     | .00161  | .00039  | .00187  | .00025  | .00291  | -.05181 | .00057  | -.00000  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00008  | .02103  | .00009  | .00018  | -.00127 | .00019  | -.00030 | -.01893  |
| Stddev | .00003  | .01218  | .00019  | .00001  | .00017  | .00058  | .00006  | .02687   |
| %RSD   | 34.035  | 57.919  | 208.16  | 3.4660  | 13.151  | 306.43  | 20.342  | 141.99   |
| #1     | .00005  | .02183  | .00016  | .00018  | -.00143 | .00059  | -.00024 | -.04777  |
| #2     | .00010  | .00847  | .00025  | .00018  | -.00110 | -.00048 | -.00036 | -.01443  |
| #3     | .00010  | .03279  | -.00012 | .00017  | -.00129 | .00045  | -.00030 | .00541   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00022  | -.00016 | -.01080 | .00077  | -.00058 | .10366  | -.00004 | -.01089  |
| Stddev | .00002  | .00027  | .00395  | .00038  | .00016  | .02065  | .00019  | .01531   |
| %RSD   | 8.3099  | 168.62  | 36.614  | 48.745  | 28.373  | 19.918  | 504.02  | 140.56   |
| #1     | .00024  | .00015  | -.01525 | .00097  | -.00040 | .08585  | .00017  | -.02476  |
| #2     | .00020  | -.00034 | -.00770 | .00101  | -.00063 | .12629  | -.00019 | .00554   |
| #3     | .00023  | -.00029 | -.00945 | .00034  | -.00072 | .09884  | -.00009 | -.01345  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00007 | .00121  | -.00114 | .00050  | -.00153 | -.0019  | -.00074 | F 2.9218 |
| Stddev | .00221  | .00267  | .00060  | .00237  | .00138  | .0002   | .00006  | .0535    |
| %RSD   | 2954.7  | 220.50  | 52.058  | 477.16  | 90.464  | 8.937   | 8.1222  | 1.8314   |
| #1     | -.00197 | .00263  | -.00096 | .00253  | -.00007 | -.0017  | -.00070 | 2.8722   |
| #2     | -.00062 | .00287  | -.00181 | .00106  | -.00282 | -.0020  | -.00070 | 2.9785   |
| #3     | .00236  | -.00187 | -.00066 | -.00210 | -.00171 | -.0019  | -.00080 | 2.9148   |

Sample Name: CCB08      Acquired: 5/17/2019 18:55:23      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .38750 |
| Stddev | .14183   |
| %RSD   | 36.600   |

|    |        |
|----|--------|
| #1 | .28811 |
| #2 | .54992 |
| #3 | .32448 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4693.3 | 56764. | 5006.2 | 59.644 | 4957.0 |
| Stddev    | 3.5    | 158.   | 13.5   | .803   | 5.7    |
| %RSD      | .07363 | .27880 | .26957 | 1.3460 | .11541 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4692.4 | 56583. | 5020.4 | 58.883 | 4950.9 |
| #2 | 4697.1 | 56876. | 5004.7 | 59.567 | 4957.8 |
| #3 | 4690.3 | 56832. | 4993.5 | 60.483 | 4962.3 |

Sample Name: K2894-13      Acquired: 5/17/2019 19:03:38      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-08-5-6      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |         |        |         |        |         |
|--------|----------|---------|--------|---------|--------|---------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .08979   | .00199  | .99648 | -.00455 | .00289 | 119.02  | .80933 | .01606  |
| Stddev | .00254   | .00058  | .00414 | .00476  | .00246 | .92     | .00410 | .00007  |
| %RSD   | 2.8267   | 29.063  | .41522 | 104.62  | 85.162 | .77579  | .50701 | .41559  |
| #1     | .09100   | .00158  | .99836 | -.00848 | .00408 | 118.41  | .80520 | .01605  |
| #2     | .08687   | .00266  | .99933 | .00074  | .00453 | 118.56  | .80940 | .01600  |
| #3     | .09150   | .00175  | .99173 | -.00591 | .00006 | 120.08  | .81340 | .01614  |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00567   | 330.81  | .13587 | .11940  | 3.7091 | 227.74  | 5.3739 | 47.693  |
| Stddev | .00035   | .01     | .00060 | .00056  | .0053  | 1.52    | .0182  | .187    |
| %RSD   | 6.1083   | .00153  | .43987 | .46936  | .14177 | .66754  | .33921 | .39103  |
| #1     | .00583   | 330.81  | .13617 | .11996  | 3.7049 | 226.99  | 5.3729 | 47.502  |
| #2     | .00591   | 330.81  | .13518 | .11884  | 3.7075 | 226.74  | 5.3927 | 47.703  |
| #3     | .00527   | 330.81  | .13626 | .11940  | 3.7150 | 229.49  | 5.3563 | 47.875  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .29877   | -.01053 | 3.0269 | .24367  | 3.3074 | 9.9652  | .00877 | -.05978 |
| Stddev | .00017   | .00038  | .0140  | .00052  | .0019  | .0699   | .00021 | .00769  |
| %RSD   | .05774   | 3.6385  | .46126 | .21544  | .05740 | .70183  | 2.3945 | 12.861  |
| #1     | .29889   | -.01097 | 3.0111 | .24375  | 3.3083 | 9.9029  | .00892 | -.05756 |
| #2     | .29858   | -.01026 | 3.0321 | .24311  | 3.3086 | 9.9520  | .00853 | -.06833 |
| #3     | .29885   | -.01037 | 3.0375 | .24415  | 3.3052 | 10.041  | .00886 | -.05344 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | F 21.220 | 2.6052  | .16276 | .53084  | .22904 | F 11.96 | .25048 | .33849  |
| Stddev | .073     | .0389   | .00049 | .00138  | .00086 | .04     | .00067 | .08028  |
| %RSD   | .34627   | 1.4919  | .30293 | .25942  | .37701 | .3203   | .26935 | 23.717  |
| #1     | 21.171   | 2.6484  | .16219 | .53036  | .22810 | 11.96   | .25113 | .24592  |
| #2     | 21.305   | 2.5731  | .16304 | .52977  | .22980 | 12.00   | .25052 | .38051  |
| #3     | 21.185   | 2.5940  | .16304 | .53239  | .22922 | 11.93   | .24978 | .38903  |

Sample Name: K2894-13      Acquired: 5/17/2019 19:03:38      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-08-5-6      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 76.556 |
| Stddev | .209   |
| %RSD   | .27340 |

|    |        |
|----|--------|
| #1 | 76.685 |
| #2 | 76.314 |
| #3 | 76.668 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5162.9 | 62773. | 6130.3 | 57.865 | 3977.3 |
| Stddev    | 6.5    | 142.   | 39.8   | 2.590  | 7.8    |
| %RSD      | .12624 | .22641 | .64898 | 4.4763 | .19489 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5157.2 | 62643. | 6085.6 | 55.461 | 3968.6 |
| #2 | 5170.0 | 62925. | 6161.8 | 57.526 | 3979.5 |
| #3 | 5161.4 | 62750. | 6143.6 | 60.608 | 3983.7 |

Sample Name: K2894-14      Acquired: 5/17/2019 19:08:11      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-03-0-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .07846 | .00284 | 1.2663 | -.00305 | .00280 | 101.64 | .70580 | .01310 |
| Stddev | .00178 | .00093 | .0035  | .00181  | .00170 | 2.74   | .01971 | .00050 |
| %RSD   | 2.2661 | 32.818 | .27794 | 59.515  | 60.756 | 2.6973 | 2.7924 | 3.8237 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .07803 | .00225 | 1.2648 | -.00349 | .00407 | 102.56 | .71248 | .01336 |
| #2 | .07693 | .00391 | 1.2638 | -.00105 | .00347 | 103.80 | .72129 | .01341 |
| #3 | .08041 | .00234 | 1.2703 | -.00460 | .00087 | 98.554 | .68362 | .01252 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00200 | 152.35 | .09890 | .10565 | 2.9106 | 209.24 | 7.8197 | 51.754 |
| Stddev | .00081 | .63    | .00393 | .00030 | .0034  | 7.07   | .2423  | 1.462  |
| %RSD   | 40.469 | .41645 | 3.9706 | .28551 | .11518 | 3.3773 | 3.0990 | 2.8248 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00154 | 152.51 | .10196 | .10533 | 2.9095 | 212.89 | 7.9680 | 52.433 |
| #2 | .00152 | 152.88 | .10027 | .10569 | 2.9080 | 213.73 | 7.9510 | 52.753 |
| #3 | .00294 | 151.65 | .09447 | .10593 | 2.9144 | 201.09 | 7.5400 | 50.076 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .20348 | -.00682 | .46468 | .16505 | 1.5328 | 8.6618 | .00023 | -.03697 |
| Stddev | .00033 | .00063  | .00358 | .00584 | .0022  | .2009  | .00009 | .01072  |
| %RSD   | .16024 | 9.2858  | .77096 | 3.5389 | .14605 | 2.3196 | 39.622 | 29.004  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .20313 | -.00747 | .46853 | .16839 | 1.5314 | 8.7277 | .00030 | -.02802 |
| #2 | .20378 | -.00677 | .46406 | .16846 | 1.5317 | 8.8215 | .00013 | -.03403 |
| #3 | .20352 | -.00621 | .46145 | .15831 | 1.5354 | 8.4362 | .00027 | -.04886 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5065 | 4.1704 | .09812 | .32887 | .19453 | 8.779  | .02131 | .45011 |
| Stddev | .0015  | .0414  | .00188 | .00100 | .00043 | .021   | .00668 | .47312 |
| %RSD   | .06075 | .99202 | 1.9150 | .30526 | .21943 | .2447  | 31.336 | 105.11 |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 2.5077 | 4.2177 | .09604 | .32835 | .19406 | 8.754 | .01790 | .80917  |
| #2 | 2.5048 | 4.1526 | .09970 | .33003 | .19461 | 8.792 | .01703 | .62716  |
| #3 | 2.5069 | 4.1409 | .09861 | .32823 | .19490 | 8.791 | .02901 | -.08599 |

Sample Name: K2894-14      Acquired: 5/17/2019 19:08:11      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-03-0-1      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      67.868  
 Stddev      .607  
 %RSD      .89446

#1      67.952  
 #2      68.429  
 #3      67.223

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5074.5 | 62812. | 5921.1 | 55.989 | 4157.4 |
| Stddev    | 10.0   | 2058.  | 57.4   | .742   | 4.3    |
| %RSD      | .19785 | 3.2770 | .97018 | 1.3245 | .10434 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5064.6 | 61641. | 5872.7 | 55.791 | 4156.0 |
| #2 | 5084.7 | 61607. | 5906.0 | 56.810 | 4162.2 |
| #3 | 5074.2 | 65189. | 5984.6 | 55.367 | 4153.9 |

Sample Name: K2894-15      Acquired: 5/17/2019 19:12:46      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-03-5-6      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |        |         |         |        |        |
|--------|----------|---------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .05478   | .00345  | .57349 | .00840 | -.00111 | 121.84  | 1.4481 | .00650 |
| Stddev | .00296   | .00116  | .00340 | .00425 | .00061  | .14     | .0059  | .00005 |
| %RSD   | 5.4065   | 33.502  | .59267 | 50.576 | 55.224  | .11669  | .40728 | .80047 |
| #1     | .05247   | .00225  | .57129 | .01301 | -.00067 | 121.68  | 1.4482 | .00655 |
| #2     | .05812   | .00356  | .57741 | .00464 | -.00085 | 121.91  | 1.4422 | .00650 |
| #3     | .05377   | .00455  | .57179 | .00756 | -.00181 | 121.94  | 1.4540 | .00645 |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00069  | 75.011  | .39046 | .05689 | 35.738  | 105.92  | .74911 | 27.558 |
| Stddev | .00007   | .292    | .00144 | .00023 | .028    | .46     | .00138 | .138   |
| %RSD   | 9.6433   | .38979  | .36945 | .41006 | .07712  | .43531  | .18370 | .49939 |
| #1     | -.00076  | 74.932  | .38912 | .05672 | 35.743  | 105.72  | .75066 | 27.458 |
| #2     | -.00062  | 74.766  | .39028 | .05716 | 35.708  | 105.60  | .74803 | 27.501 |
| #3     | -.00069  | 75.335  | .39199 | .05681 | 35.762  | 106.45  | .74864 | 27.714 |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .25949   | -.00225 | 2.3649 | .21802 | 1.3225  | 20.459  | .00158 | .49285 |
| Stddev | .00030   | .00023  | .0066  | .00103 | .0019   | .034    | .00037 | .02480 |
| %RSD   | .11430   | 10.091  | .28037 | .47284 | .14389  | .16427  | 23.361 | 5.0328 |
| #1     | .25961   | -.00199 | 2.3666 | .21753 | 1.3207  | 20.442  | .00124 | .52021 |
| #2     | .25971   | -.00235 | 2.3704 | .21733 | 1.3245  | 20.498  | .00197 | .47184 |
| #3     | .25915   | -.00241 | 2.3575 | .21921 | 1.3223  | 20.438  | .00153 | .48649 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361 | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 21.197 | 2.6509  | .03690 | .15057 | .22220  | F 16.10 | .17234 | .74509 |
| Stddev | .028     | .0131   | .00016 | .00213 | .00221  | .01     | .00044 | .02896 |
| %RSD   | .13090   | .49572  | .43002 | 1.4168 | .99647  | .0813   | .25576 | 3.8864 |
| #1     | 21.188   | 2.6509  | .03705 | .14830 | .21992  | 16.08   | .17183 | .77339 |
| #2     | 21.229   | 2.6377  | .03673 | .15085 | .22434  | 16.11   | .17259 | .71552 |
| #3     | 21.176   | 2.6640  | .03691 | .15254 | .22235  | 16.09   | .17259 | .74634 |

Sample Name: K2894-15      Acquired: 5/17/2019 19:12:46      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-03-5-6      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 33.564 |
| Stddev | .367   |
| %RSD   | 1.0922 |

|    |        |
|----|--------|
| #1 | 33.147 |
| #2 | 33.706 |
| #3 | 33.838 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5204.8 | 64406. | 5972.1 | 58.329 | 4342.3 |
| Stddev    | 8.8    | 103.   | 13.9   | 1.277  | 1.8    |
| %RSD      | .16955 | .15994 | .23266 | 2.1891 | .04201 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5194.8 | 64287. | 5979.1 | 56.879 | 4340.8 |
| #2 | 5211.7 | 64470. | 5956.1 | 59.287 | 4344.4 |
| #3 | 5207.8 | 64460. | 5981.0 | 58.820 | 4341.9 |

Sample Name: K2894-16      Acquired: 5/17/2019 19:17:15      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-02-0-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04405 | .00234 | .33482 | .00584 | -.00057 | 72.094 | .43520 | .00840 |
| Stddev | .00189 | .00040 | .00085 | .00129 | .00145  | .345   | .00245 | .00013 |
| %RSD   | 4.2962 | 16.878 | .25486 | 22.087 | 255.08  | .47862 | .56289 | 1.5358 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .04314 | .00266 | .33580 | .00622 | -.00120 | 72.338 | .43727 | .00833 |
| #2 | .04280 | .00248 | .33424 | .00440 | .00109  | 71.699 | .43250 | .00832 |
| #3 | .04623 | .00190 | .33441 | .00689 | -.00160 | 72.245 | .43584 | .00855 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00062 | 86.583 | .07411 | .07163 | 3.1555 | 147.52 | 5.3296 | 39.083 |
| Stddev | .00015  | .192   | .00063 | .00036 | .0045  | .72    | .0492  | .261   |
| %RSD   | 23.826  | .22166 | .85503 | .49817 | .14375 | .48808 | .92356 | .66789 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00051 | 86.799 | .07483 | .07169 | 3.1520 | 146.73 | 5.3284 | 39.360 |
| #2 | -.00079 | 86.432 | .07366 | .07125 | 3.1538 | 147.68 | 5.2810 | 38.841 |
| #3 | -.00057 | 86.518 | .07384 | .07196 | 3.1606 | 148.14 | 5.3794 | 39.050 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .15045 | -.00352 | .35183 | .11289 | 1.1454 | 6.4406 | -.00051 | -.01032 |
| Stddev | .00132 | .00025  | .00645 | .00129 | .0017  | .0160  | .00023  | .01553  |
| %RSD   | .87657 | 7.0835  | 1.8343 | 1.1384 | .14836 | .24909 | 45.943  | 150.40  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .14977 | -.00376 | .35919 | .11387 | 1.1471 | 6.4586 | -.00031 | -.00257 |
| #2 | .14961 | -.00355 | .34714 | .11143 | 1.1437 | 6.4279 | -.00077 | -.02820 |
| #3 | .15197 | -.00326 | .34916 | .11336 | 1.1454 | 6.4353 | -.00046 | -.00020 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.0527 | 3.5693 | .08092 | .30109 | .13118 | 5.815  | -.00921 | 1.7851 |
| Stddev | .0043  | .0111  | .00067 | .00143 | .00320 | .026   | .00152  | .1416  |
| %RSD   | .40600 | .31057 | .83238 | .47363 | 2.4404 | .4532  | 16.528  | 7.9309 |

|    |        |        |        |        |        |       |         |        |
|----|--------|--------|--------|--------|--------|-------|---------|--------|
| #1 | 1.0555 | 3.5573 | .08078 | .30243 | .13385 | 5.819 | -.00746 | 1.7240 |
| #2 | 1.0477 | 3.5792 | .08032 | .29959 | .13207 | 5.787 | -.01002 | 1.9470 |
| #3 | 1.0548 | 3.5713 | .08165 | .30124 | .12763 | 5.839 | -.01016 | 1.6844 |

Sample Name: K2894-16      Acquired: 5/17/2019 19:17:15      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-02-0-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 46.016 |
| Stddev | .083   |
| %RSD   | .18028 |

|    |        |
|----|--------|
| #1 | 46.112 |
| #2 | 45.968 |
| #3 | 45.968 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4991.9 | 60750. | 5683.6 | 58.498 | 4375.4 |
| Stddev    | 4.6    | 205.   | 14.5   | 1.086  | 7.6    |
| %RSD      | .09162 | .33736 | .25490 | 1.8558 | .17311 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4987.8 | 60579. | 5668.1 | 59.628 | 4366.9 |
| #2 | 4996.8 | 60977. | 5685.9 | 58.403 | 4381.5 |
| #3 | 4991.0 | 60695. | 5696.8 | 57.463 | 4377.7 |

Sample Name: K2894-17      Acquired: 5/17/2019 19:21:45      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-02-9-10      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03252 | -.00519 | .06900 | -.00235 | .00003 | 145.69 | .90561 | .01573 |
| Stddev | .00213 | .00220  | .00164 | .00166  | .00149 | .55    | .00035 | .00037 |
| %RSD   | 6.5518 | 42.397  | 2.3828 | 70.726  | 4942.0 | .37419 | .03824 | 2.3238 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .03355 | -.00729 | .06975 | -.00046 | -.00168 | 145.90 | .90596 | .01598 |
| #2 | .03394 | -.00290 | .07013 | -.00357 | .00105  | 145.07 | .90562 | .01531 |
| #3 | .03007 | -.00537 | .06711 | -.00304 | .00072  | 146.10 | .90526 | .01590 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00130 | 62.565 | .17186 | .11731 | .44464 | 196.40 | 7.3278 | 55.021 |
| Stddev | .00013 | .232   | .00106 | .00024 | .00062 | .27    | .0420  | .283   |
| %RSD   | 9.7796 | .37142 | .61802 | .20845 | .13843 | .13677 | .57387 | .51479 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00142 | 62.767 | .17102 | .11757 | .44498 | 196.46 | 7.2798 | 54.952 |
| #2 | .00133 | 62.311 | .17306 | .11728 | .44393 | 196.10 | 7.3452 | 54.778 |
| #3 | .00117 | 62.616 | .17150 | .11708 | .44501 | 196.63 | 7.3583 | 55.332 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .30836 | -.00831 | 1.1202 | .20098 | 1.1470 | 13.518 | .00507 | .05800 |
| Stddev | .00079 | .00040  | .0102  | .00036 | .0009  | .040   | .00019 | .00975 |
| %RSD   | .25615 | 4.7748  | .90864 | .18018 | .07785 | .29250 | 3.8320 | 16.809 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .30926 | -.00858 | 1.1244 | .20073 | 1.1479 | 13.563 | .00527 | .04707 |
| #2 | .30804 | -.00786 | 1.1085 | .20140 | 1.1468 | 13.495 | .00506 | .06579 |
| #3 | .30778 | -.00850 | 1.1275 | .20082 | 1.1462 | 13.495 | .00488 | .06114 |

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 7.7147 | 3.7336 | .01096 | .98441 | .41630 | F 10.27 | .00237 | <.00000 |
| Stddev | .0109  | .0195  | .00036 | .00216 | .00187 | .01     | .00092 | .10092  |
| %RSD   | .14157 | .52336 | 3.2741 | .21903 | .44957 | .0653   | 38.672 | 3.8694  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 7.7214 | 3.7536 | .01078 | .98330 | .41817 | 10.28 | .00342 | -2.5479 |
| #2 | 7.7021 | 3.7145 | .01073 | .98690 | .41442 | 10.27 | .00169 | -2.5519 |
| #3 | 7.7207 | 3.7327 | .01137 | .98304 | .41630 | 10.27 | .00201 | -2.7247 |

Sample Name: K2894-17      Acquired: 5/17/2019 19:21:45      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-02-9-10      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      75.460  
 Stddev      .156  
 %RSD      .20721

#1      75.397  
 #2      75.638  
 #3      75.345

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6104.6 | 74026. | 7028.7 | 59.010 | 4169.6 |
| Stddev    | 11.0   | 38.    | 19.1   | .737   | 7.8    |
| %RSD      | .17984 | .05137 | .27166 | 1.2491 | .18819 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 6093.2 | 74013. | 7008.2 | 59.424 | 4164.0 |
| #2 | 6105.7 | 74068. | 7046.1 | 58.159 | 4166.2 |
| #3 | 6115.0 | 73995. | 7031.6 | 59.447 | 4178.6 |

Sample Name: K2894-19      Acquired: 5/17/2019 19:26:18      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-01-0-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .07512 | .00209 | .38966 | .00496 | .00069 | 101.61 | .70243 | .01295 |
| Stddev | .00071 | .00165 | .00038 | .00108 | .00099 | .46    | .00270 | .00010 |
| %RSD   | .94602 | 78.886 | .09855 | 21.773 | 143.94 | .45023 | .38446 | .78975 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .07550 | .00396 | .39003 | .00478 | -.00028 | 102.14 | .70502 | .01306 |
| #2 | .07430 | .00083 | .38926 | .00398 | .00065  | 101.30 | .70264 | .01291 |
| #3 | .07556 | .00149 | .38970 | .00612 | .00170  | 101.40 | .69963 | .01287 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00018 | 209.96 | .10273 | .10867 | 1.5700 | 203.96 | 8.8022 | 55.523 |
| Stddev | .00027  | .26    | .00029 | .00048 | .0031  | .72    | .0219  | .100   |
| %RSD   | 150.97  | .12219 | .27907 | .44318 | .19738 | .35227 | .24867 | .17952 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00031 | 210.17 | .10258 | .10821 | 1.5701 | 203.55 | 8.7772 | 55.409 |
| #2 | -.00035 | 209.68 | .10255 | .10863 | 1.5669 | 204.78 | 8.8182 | 55.572 |
| #3 | .00013  | 210.04 | .10306 | .10917 | 1.5731 | 203.53 | 8.8110 | 55.589 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .20232 | -.00775 | .49092 | .17369 | 1.3559 | 8.5803 | .00031 | -.03661 |
| Stddev | .00045 | .00012  | .00824 | .00165 | .0015  | .0417  | .00014 | .00783  |
| %RSD   | .22032 | 1.5052  | 1.6778 | .94717 | .11004 | .48597 | 44.750 | 21.380  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .20198 | -.00776 | .48796 | .17534 | 1.3575 | 8.6228 | .00015 | -.02870 |
| #2 | .20215 | -.00762 | .48457 | .17205 | 1.3546 | 8.5787 | .00040 | -.03677 |
| #3 | .20282 | -.00786 | .50023 | .17368 | 1.3556 | 8.5395 | .00038 | -.04435 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.7371 | 4.9454 | .06661 | .31938 | .19239 | 8.587  | .08494 | 1.1035 |
| Stddev | .0180  | .0556  | .00133 | .00480 | .00048 | .039   | .00163 | .1443  |
| %RSD   | .48180 | 1.1250 | 1.9990 | 1.5020 | .25117 | .4532  | 1.9201 | 13.079 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 3.7300 | 4.8829 | .06528 | .32372 | .19272 | 8.553 | .08658 | .94584 |
| #2 | 3.7238 | 4.9639 | .06662 | .31423 | .19184 | 8.578 | .08332 | 1.1355 |
| #3 | 3.7576 | 4.9895 | .06794 | .32018 | .19262 | 8.630 | .08493 | 1.2291 |

Sample Name: K2894-19      Acquired: 5/17/2019 19:26:18      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-01-0-1      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      65.773  
 Stddev      .524  
 %RSD      .79594

#1      65.525  
 #2      65.420  
 #3      66.375

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5049.5 | 61308. | 5830.0 | 57.421 | 4140.4 |
| Stddev    | 4.4    | 155.   | 14.7   | .260   | 4.4    |
| %RSD      | .08770 | .25242 | .25231 | .45236 | .10539 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5050.6 | 61229. | 5815.1 | 57.720 | 4135.8 |
| #2 | 5053.4 | 61209. | 5830.4 | 57.250 | 4140.8 |
| #3 | 5044.7 | 61486. | 5844.5 | 57.293 | 4144.5 |

Sample Name: K2894-20      Acquired: 5/17/2019 19:30:52      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-01-11-12      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05740 | -.00643 | .07040 | .00097 | -.00068 | 108.35 | .70855 | .01243 |
| Stddev | .00085 | .00160  | .00199 | .00133 | .00150  | .05    | .00323 | .00019 |
| %RSD   | 1.4811 | 24.951  | 2.8220 | 136.97 | 219.31  | .04800 | .45571 | 1.4992 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .05643 | -.00828 | .07005 | .00180  | .00095  | 108.36 | .70647 | .01257 |
| #2 | .05778 | -.00553 | .07255 | -.00056 | -.00099 | 108.39 | .71227 | .01222 |
| #3 | .05800 | -.00547 | .06862 | .00167  | -.00201 | 108.29 | .70692 | .01251 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00030 | 78.604 | .19936 | .11239 | 1.0159 | 195.84 | 7.1217 | 48.772 |
| Stddev | .00011  | .299   | .00102 | .00056 | .0026  | .72    | .0085  | .124   |
| %RSD   | 35.792  | .37982 | .50921 | .50247 | .25719 | .36765 | .11881 | .25460 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00018 | 78.369 | .19877 | .11302 | 1.0132 | 195.01 | 7.1234 | 48.629 |
| #2 | -.00039 | 78.503 | .19878 | .11220 | 1.0159 | 196.27 | 7.1292 | 48.850 |
| #3 | -.00031 | 78.940 | .20053 | .11194 | 1.0185 | 196.25 | 7.1126 | 48.837 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .25460 | -.00801 | 1.1429 | .17389 | .85826 | 12.818 | .03214 | -.02926 |
| Stddev | .00057 | .00024  | .0058  | .00104 | .00145 | .056   | .00040 | .00359  |
| %RSD   | .22241 | 3.0204  | .50386 | .59906 | .16881 | .43316 | 1.2522 | 12.287  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .25450 | -.00821 | 1.1385 | .17359 | .85695 | 12.836 | .03233 | -.02638 |
| #2 | .25409 | -.00774 | 1.1494 | .17302 | .85802 | 12.862 | .03242 | -.03329 |
| #3 | .25521 | -.00808 | 1.1408 | .17504 | .85982 | 12.756 | .03168 | -.02811 |

|        |        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 4.1879 | 4.4997 | .01155 | 1.5763 | .21382 | 7.694  | -.04929 | <.00000 |
| Stddev | .0199  | .0228  | .00083 | .0143  | .00190 | .028   | .00065  | .09024  |
| %RSD   | .47487 | .50694 | 7.1938 | .90680 | .88696 | .3606  | 1.3277  | 5.6855  |

|    |        |        |        |        |        |       |         |         |
|----|--------|--------|--------|--------|--------|-------|---------|---------|
| #1 | 4.2105 | 4.4802 | .01244 | 1.5619 | .21175 | 7.724 | -.04898 | -1.6151 |
| #2 | 4.1798 | 4.5248 | .01079 | 1.5905 | .21425 | 7.668 | -.05004 | -1.4862 |
| #3 | 4.1732 | 4.4943 | .01142 | 1.5764 | .21547 | 7.691 | -.04885 | -1.6600 |

Sample Name: K2894-20      Acquired: 5/17/2019 19:30:52      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-01-11-12      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      70.580  
 Stddev      .696  
 %RSD      .98643

#1      69.851  
 #2      70.653  
 #3      71.237

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5826.8 | 70833. | 6591.6 | 57.010 | 4215.2 |
| Stddev    | 7.6    | 201.   | 14.2   | .525   | 5.0    |
| %RSD      | .13033 | .28375 | .21596 | .92103 | .11946 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5831.9 | 70714. | 6593.6 | 57.532 | 4219.8 |
| #2 | 5830.3 | 70720. | 6604.8 | 56.482 | 4215.9 |
| #3 | 5818.0 | 71065. | 6576.5 | 57.017 | 4209.8 |

Sample Name: K2643-06      Acquired: 5/17/2019 19:35:26      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-02-051619      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |        |         |        |
|--------|---------|---------|---------|---------|---------|--------|---------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00079  | -.00336 | .01055  | .00354  | .00133  | .19411 | .20136  | .00015 |
| Stddev | .00172  | .00173  | .00026  | .00042  | .00110  | .01329 | .00114  | .00004 |
| %RSD   | 216.44  | 51.472  | 2.4262  | 11.793  | 82.544  | 6.8488 | .56666  | 25.748 |
| #1     | .00066  | -.00300 | .01039  | .00372  | .00012  | .18542 | .20128  | .00017 |
| #2     | -.00085 | -.00523 | .01084  | .00307  | .00160  | .18750 | .20027  | .00010 |
| #3     | .00258  | -.00183 | .01041  | .00384  | .00226  | .20942 | .20254  | .00017 |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00019  | 44.694  | -.00012 | .00426  | .00819  | .82669 | .97278  | 4.5658 |
| Stddev | .00001  | .605    | .00029  | .00019  | .00024  | .00495 | .00253  | .0992  |
| %RSD   | 5.1760  | 1.3536  | 243.99  | 4.5723  | 2.9661  | .59835 | .25994  | 2.1729 |
| #1     | .00020  | 45.075  | -.00016 | .00434  | .00820  | .83238 | .97317  | 4.4668 |
| #2     | .00019  | 45.011  | .00019  | .00404  | .00843  | .82348 | .97008  | 4.5653 |
| #3     | .00018  | 43.996  | -.00038 | .00440  | .00794  | .82420 | .97509  | 4.6652 |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00271  | -.00039 | 336.38  | -.00152 | .05969  | .96150 | -.00019 | .02462 |
| Stddev | .00038  | .00040  | 1.75    | .00034  | .00010  | .02287 | .00011  | .01104 |
| %RSD   | 13.849  | 101.27  | .51899  | 22.200  | .16285  | 2.3790 | 58.630  | 44.837 |
| #1     | .00236  | -.00017 | 338.19  | -.00174 | .05963  | .94324 | -.00022 | .01564 |
| #2     | .00265  | -.00016 | 336.25  | -.00113 | .05981  | .98716 | -.00028 | .03695 |
| #3     | .00311  | -.00085 | 334.71  | -.00170 | .05964  | .95410 | -.00007 | .02127 |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .42875  | 1.4285  | -.00172 | .00322  | -.00146 | .0051  | .15956  | 4.7082 |
| Stddev | .00593  | .0209   | .00064  | .00169  | .00043  | .0007  | .00046  | .0647  |
| %RSD   | 1.3843  | 1.4602  | 37.092  | 52.299  | 29.264  | 13.84  | .29017  | 1.3744 |
| #1     | .43535  | 1.4442  | -.00135 | .00515  | -.00186 | .0048  | .15950  | 4.6582 |
| #2     | .42703  | 1.4364  | -.00135 | .00203  | -.00151 | .0059  | .16005  | 4.7813 |
| #3     | .42386  | 1.4048  | -.00245 | .00248  | -.00101 | .0047  | .15913  | 4.6851 |

Sample Name: K2643-06      Acquired: 5/17/2019 19:35:26      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OR-02-051619      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.3528 |
| Stddev | .0418  |
| %RSD   | 3.0929 |

|    |        |
|----|--------|
| #1 | 1.3090 |
| #2 | 1.3573 |
| #3 | 1.3923 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4363.8 | 52567. | 4962.9 | 58.671 | 4241.2 |
| Stddev    | 5.0    | 74.    | 47.0   | 2.670  | 8.6    |
| %RSD      | .11455 | .14115 | .94788 | 4.5511 | .20382 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4361.5 | 52559. | 4934.4 | 55.650 | 4234.6 |
| #2 | 4360.3 | 52644. | 4937.1 | 60.717 | 4238.1 |
| #3 | 4369.5 | 52497. | 5017.2 | 59.645 | 4251.0 |

Sample Name: K2643-06DUP      Acquired: 5/17/2019 19:39:58      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-02-051619      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00049 | -.00369 | .01026 | .00350 | -.00013 | .19942 | .20530 | .00020 |
| Stddev | .00115  | .00015  | .00033 | .00171 | .00089  | .00500 | .00075 | .00005 |
| %RSD   | 234.61  | 4.1198  | 3.2278 | 48.937 | 689.78  | 2.5059 | .36446 | 23.561 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00002  | -.00358 | .01064 | .00423 | -.00065 | .19585 | .20511 | .00015 |
| #2 | -.00181 | -.00387 | .01002 | .00154 | .00090  | .19728 | .20613 | .00020 |
| #3 | .00031  | -.00363 | .01012 | .00472 | -.00064 | .20513 | .20467 | .00024 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00018 | 45.448 | -.00023 | .00427 | .00810 | .83110 | .99233 | 4.8301 |
| Stddev | .00009 | .518   | .00045  | .00020 | .00034 | .00162 | .00258 | .0622  |
| %RSD   | 46.482 | 1.1396 | 193.76  | 4.7692 | 4.1416 | .19449 | .26046 | 1.2876 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00026 | 46.038 | -.00003 | .00421 | .00827 | .82944 | .99521 | 4.7865 |
| #2 | .00020 | 45.070 | .00008  | .00410 | .00832 | .83267 | .99154 | 4.9013 |
| #3 | .00009 | 45.235 | -.00076 | .00450 | .00771 | .83118 | .99022 | 4.8025 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00275 | -.00008 | 338.07 | -.00117 | .06199 | 1.0110 | -.00036 | .02293 |
| Stddev | .00027 | .00035  | 4.85   | .00013  | .00048 | .0252  | .00028  | .01007 |
| %RSD   | 9.7389 | 408.57  | 1.4333 | 11.045  | .76773 | 2.4908 | 78.724  | 43.942 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00296 | -.00041 | 342.89 | -.00114 | .06248 | .99922 | -.00016 | .02602 |
| #2 | .00284 | -.00012 | 333.19 | -.00106 | .06153 | 1.0399 | -.00024 | .01167 |
| #3 | .00245 | .00028  | 338.13 | -.00131 | .06197 | .99387 | -.00069 | .03109 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .43295 | 1.4529 | -.00134 | .00369 | .00125 | .0041  | .16318 | 4.6550 |
| Stddev | .00419 | .0061  | .00106  | .00127 | .00096 | .0028  | .00062 | .0932  |
| %RSD   | .96716 | .42082 | 79.045  | 34.487 | 76.850 | 68.65  | .37965 | 2.0014 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .43563 | 1.4582 | -.00079 | .00501 | .00049 | .0009 | .16364 | 4.7291 |
| #2 | .42812 | 1.4462 | -.00067 | .00358 | .00233 | .0060 | .16343 | 4.6856 |
| #3 | .43508 | 1.4543 | -.00256 | .00247 | .00093 | .0056 | .16248 | 4.5504 |

Sample Name: K2643-06DUP      Acquired: 5/17/2019 19:39:58      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OR-02-051619      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.3042  
 Stddev      .2025  
 %RSD      15.525

#1      1.4393  
 #2      1.0714  
 #3      1.4018

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4381.8 | 52588. | 4968.8 | 57.399 | 4263.4 |
| Stddev    | 8.1    | 272.   | 57.6   | .215   | 7.5    |
| %RSD      | .18598 | .51718 | 1.1597 | .37531 | .17477 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4374.4 | 52277. | 4903.3 | 57.275 | 4263.8 |
| #2 | 4390.5 | 52705. | 5011.9 | 57.648 | 4270.6 |
| #3 | 4380.4 | 52781. | 4991.2 | 57.274 | 4255.7 |

Sample Name: K2643-06LX5      Acquired: 5/17/2019 19:44:31      Type: Unk  
Method: P4-ICP2(v3131)      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    | .00204 | -.00031 | .00357 | -.00093 | .00057 | .00782 | .03986 | .00009 |
| Stddev | .00176 | .00110  | .00060 | .00228  | .00103 | .00622 | .00056 | .00004 |
| %RSD   | 86.279 | 358.93  | 16.798 | 244.22  | 181.82 | 79.554 | 1.4083 | 44.555 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00312 | .00061  | .00297 | .00161  | -.00061 | .01374 | .03941 | .00010 |
| #2 | .00298 | -.00153 | .00356 | -.00164 | .00132  | .00838 | .04049 | .00004 |
| #3 | .00001 | -.00001 | .00417 | -.00277 | .00099  | .00134 | .03969 | .00011 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00003 | 9.5190 | -.00020 | .00078 | .00078 | .17044 | .20537 | .90034 |
| Stddev | .00006 | .2170  | .00013  | .00011 | .00015 | .00058 | .00103 | .02044 |
| %RSD   | 187.10 | 2.2796 | 62.205  | 14.026 | 19.256 | .34075 | .50349 | 2.2707 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00003  | 9.3785 | -.00022 | .00083 | .00062 | .16977 | .20424 | .90718 |
| #2 | -.00003 | 9.7689 | -.00032 | .00084 | .00081 | .17081 | .20626 | .87736 |
| #3 | .00009  | 9.4096 | -.00007 | .00065 | .00092 | .17075 | .20561 | .91650 |

|        |        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00037 | .00001 | 66.822 | .00006 | .01096 | .31193 | -.00019 | -.00696 |
| Stddev | .00024 | .00043 | .433   | .00023 | .00003 | .01117 | .00018  | .00545  |
| %RSD   | 64.988 | 3770.5 | .64734 | 386.69 | .28687 | 3.5820 | 93.515  | 78.357  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00015 | .00002  | 66.455 | .00003  | .01094 | .31746 | -.00025 | -.00106 |
| #2 | .00062 | -.00043 | 67.299 | -.00015 | .01094 | .29907 | .00001  | -.01180 |
| #3 | .00034 | .00044  | 66.711 | .00031  | .01099 | .31925 | -.00033 | -.00801 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .08353 | .31122 | -.00255 | .00154 | .00207 | -.0021 | .03285 | 3.5366 |
| Stddev | .00229 | .00616 | .00042  | .00221 | .00057 | .0001  | .00106 | .1667  |
| %RSD   | 2.7458 | 1.9784 | 16.603  | 143.53 | 27.393 | 5.342  | 3.2225 | 4.7141 |

|    |        |        |         |         |        |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .08615 | .30878 | -.00246 | .00179  | .00146 | -.0022 | .03239 | 3.7213 |
| #2 | .08256 | .31823 | -.00301 | .00361  | .00218 | -.0022 | .03407 | 3.3972 |
| #3 | .08189 | .30666 | -.00217 | -.00078 | .00258 | -.0020 | .03211 | 3.4914 |

Sample Name: K2643-06LX5      Acquired: 5/17/2019 19:44:31      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .72355  
Stddev      .11718  
%RSD      16.195

#1      .59938  
#2      .73907  
#3      .83219

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4567.2 | 54999. | 4875.3 | 57.820 | 4619.7 |
| Stddev    | 6.3    | 88.    | 74.7   | 1.089  | 9.0    |
| %RSD      | .13769 | .15946 | 1.5326 | 1.8837 | .19401 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4560.6 | 55021. | 4913.4 | 57.838 | 4610.7 |
| #2 | 4573.1 | 54903. | 4789.2 | 56.722 | 4619.7 |
| #3 | 4567.9 | 55075. | 4923.3 | 58.900 | 4628.7 |

Sample Name: CCV09      Acquired: 5/17/2019 19:48:57      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0693 | 4.9755 | 4.9315 | 5.0123 | 5.0501 | 9.3372 | 9.9416 | .24749   |
| Stddev | .0125  | .0025  | .0097  | .0113  | .0088  | .0545  | .0558  | .00031   |
| %RSD   | .24585 | .04935 | .19690 | .22519 | .17421 | .58369 | .56090 | .12510   |
| #1     | 5.0759 | 4.9776 | 4.9207 | 5.0061 | 5.0571 | 9.2762 | 9.9954 | .24783   |
| #2     | 5.0770 | 4.9760 | 4.9395 | 5.0253 | 5.0529 | 9.3546 | 9.9452 | .24722   |
| #3     | 5.0549 | 4.9728 | 4.9344 | 5.0054 | 5.0402 | 9.3810 | 9.8840 | .24741   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4351 | 25.535 | .98004 | 2.4709 | 1.2436 | 4.9576 | 2.3761 | 24.094   |
| Stddev | .0020  | .654   | .00076 | .0045  | .0019  | .0088  | .0010  | .198     |
| %RSD   | .08135 | 2.5623 | .07731 | .18231 | .15594 | .17728 | .04055 | .82183   |
| #1     | 2.4330 | 24.782 | .98026 | 2.4668 | 1.2457 | 4.9477 | 2.3755 | 23.872   |
| #2     | 2.4369 | 25.862 | .97920 | 2.4757 | 1.2432 | 4.9645 | 2.3772 | 24.251   |
| #3     | 2.4353 | 25.961 | .98066 | 2.4701 | 1.2418 | 4.9607 | 2.3756 | 24.160   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4471 | 1.2425 | 24.457 | 2.5051 | 2.5162 | 23.853 | 5.0116 | 4.6725   |
| Stddev | .0027  | .0006  | .068   | .0032  | .0023  | .133   | .0056  | .0645    |
| %RSD   | .11157 | .04851 | .27904 | .12744 | .09060 | .55717 | .11088 | 1.3796   |
| #1     | 2.4453 | 1.2432 | 24.449 | 2.5032 | 2.5153 | 23.792 | 5.0179 | 4.6084   |
| #2     | 2.4502 | 1.2420 | 24.393 | 2.5088 | 2.5188 | 23.761 | 5.0088 | 4.6717   |
| #3     | 2.4457 | 1.2422 | 24.529 | 2.5034 | 2.5145 | 24.005 | 5.0079 | 4.7374   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0247 | 5.0144 | 5.0114 | 5.0212 | 4.8280 | 5.118  | 4.7420 | F 4.1128 |
| Stddev | .0089  | .1087  | .0066  | .1255  | .0991  | .007   | .1006  | .0429    |
| %RSD   | .17800 | 2.1681 | .13274 | 2.4988 | 2.0530 | .1377  | 2.1216 | 1.0429   |
| #1     | 5.0259 | 4.8890 | 5.0061 | 4.8764 | 4.7136 | 5.119  | 4.6262 | 4.0974   |
| #2     | 5.0153 | 5.0711 | 5.0189 | 5.0942 | 4.8835 | 5.125  | 4.7917 | 4.1612   |
| #3     | 5.0330 | 5.0829 | 5.0092 | 5.0932 | 4.8870 | 5.111  | 4.8081 | 4.0797   |

Sample Name: CCV09      Acquired: 5/17/2019 19:48:57      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 2.8473  
 Stddev      .1560  
 %RSD      5.4775

#1      2.9062  
 #2      2.6705  
 #3      2.9653

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4502.5 | 54180. | 4882.3 | 58.229 | 4364.5 |
| Stddev    | 13.5   | 54.    | 92.1   | 1.253  | 7.0    |
| %RSD      | .30046 | .09995 | 1.8857 | 2.1524 | .15928 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4487.9 | 54118. | 4988.3 | 59.005 | 4357.5 |
| #2 | 4505.0 | 54219. | 4822.0 | 56.783 | 4364.5 |
| #3 | 4514.6 | 54203. | 4836.6 | 58.898 | 4371.4 |

Sample Name: CCB09      Acquired: 5/17/2019 19:53:05      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA8216      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00226  | .00110  | .00287  | -.00032 | .00151  | -.03961 | .00080  | .00009   |
| Stddev | .00042  | .00089  | .00047  | .00108  | .00180  | .01047  | .00076  | .00003   |
| %RSD   | 18.521  | 80.894  | 16.540  | 342.08  | 119.29  | 26.434  | 95.422  | 35.914   |
| #1     | .00197  | .00207  | .00253  | .00041  | -.00030 | -.03389 | .00110  | .00007   |
| #2     | .00206  | .00032  | .00341  | .00021  | .00330  | -.03325 | .00135  | .00012   |
| #3     | .00274  | .00091  | .00266  | -.00156 | .00153  | -.05170 | -.00007 | .00007   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00001 | .01124  | -.00011 | .00014  | -.00109 | -.00068 | -.00029 | -.00101  |
| Stddev | .00004  | .00496  | .00032  | .00023  | .00037  | .00048  | .00002  | .02164   |
| %RSD   | 529.92  | 44.125  | 295.80  | 171.25  | 33.777  | 70.470  | 6.7910  | 2146.3   |
| #1     | .00002  | .01577  | -.00024 | -.00007 | -.00104 | -.00124 | -.00027 | -.02346  |
| #2     | .00000  | .01201  | -.00034 | .00008  | -.00076 | -.00046 | -.00031 | .00073   |
| #3     | -.00005 | .00594  | .00026  | .00039  | -.00149 | -.00035 | -.00030 | .01971   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00047  | .00012  | .02483  | .00056  | -.00092 | .09318  | .00025  | -.00706  |
| Stddev | .00015  | .00018  | .01726  | .00018  | .00006  | .02186  | .00029  | .01594   |
| %RSD   | 31.811  | 151.48  | 69.533  | 32.685  | 6.0229  | 23.462  | 113.38  | 225.62   |
| #1     | .00064  | .00033  | .01092  | .00068  | -.00087 | .11827  | .00014  | -.01275  |
| #2     | .00038  | .00006  | .01942  | .00035  | -.00090 | .08297  | .00058  | .01094   |
| #3     | .00039  | -.00002 | .04415  | .00065  | -.00098 | .07828  | .00004  | -.01937  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00159 | .00192  | -.00125 | -.00122 | -.00031 | -.0012  | -.00075 | F 3.0475 |
| Stddev | .00102  | .00219  | .00020  | .00044  | .00047  | .0005   | .00006  | .1628    |
| %RSD   | 63.994  | 114.42  | 16.260  | 36.209  | 151.71  | 41.60   | 7.7151  | 5.3426   |
| #1     | -.00077 | .00425  | -.00145 | -.00102 | -.00082 | -.0014  | -.00070 | 3.2152   |
| #2     | -.00273 | -.00010 | -.00105 | -.00092 | -.00020 | -.0016  | -.00082 | 2.8900   |
| #3     | -.00127 | .00160  | -.00125 | -.00173 | .00010  | -.0006  | -.00073 | 3.0375   |

Sample Name: CCB09      Acquired: 5/17/2019 19:53:05      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA8216      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .58145 |
| Stddev | .18258   |
| %RSD   | 31.400   |

|    |        |
|----|--------|
| #1 | .75773 |
| #2 | .39316 |
| #3 | .59347 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4683.2 | 56848. | 4899.2 | 58.822 | 4964.1 |
| Stddev    | 13.9   | 94.    | 25.3   | 1.880  | 16.9   |
| %RSD      | .29759 | .16553 | .51601 | 3.1960 | .34113 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4673.3 | 56956. | 4873.7 | 58.758 | 4951.0 |
| #2 | 4677.2 | 56784. | 4899.6 | 60.733 | 4958.1 |
| #3 | 4699.2 | 56803. | 4924.3 | 56.975 | 4983.2 |

Sample Name: K2643-06MS      Acquired: 5/17/2019 19:57:33      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-02-051619      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    | .76460 | 1.7841 | .91835 | 1.9429 | .75677 | 1.9887 | .37886 | .18796 | .18411 |
| Stddev | .00534 | .0064  | .00511 | .0176  | .00720 | .0136  | .00176 | .00011 | .00071 |
| %RSD   | .69869 | .35753 | .55626 | .90579 | .95079 | .68377 | .46332 | .05963 | .38336 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76142 | 1.7779 | .91606 | 1.9395 | .75614 | 1.9731 | .37760 | .18789 | .18391 |
| #2 | .76160 | 1.7838 | .91478 | 1.9274 | .74992 | 1.9955 | .37811 | .18809 | .18353 |
| #3 | .77077 | 1.7907 | .92420 | 1.9620 | .76427 | 1.9976 | .38086 | .18791 | .18490 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 43.779 | .37932 | .19241 | .29120 | 3.5980 | 1.1024 | 6.1703 | .46686 | .06873 |
| Stddev | .267   | .00038 | .00120 | .00208 | .0037  | .0041  | .0340  | .00259 | .00127 |
| %RSD   | .61028 | .09893 | .62458 | .71578 | .10436 | .37191 | .55044 | .55389 | 1.8446 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 43.652 | .37912 | .19172 | .29091 | 3.6024 | 1.1007 | 6.1609 | .46697 | .06909 |
| #2 | 44.086 | .37976 | .19171 | .28927 | 3.5957 | 1.1071 | 6.2080 | .46421 | .06978 |
| #3 | 43.599 | .37910 | .19380 | .29341 | 3.5960 | 1.0995 | 6.1421 | .46938 | .06732 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 311.14 | .29583 | .24741 | 10.306 | .39053 | .28832 | .39160 | 2.2115 | .66147 |
| Stddev | 1.75   | .00041 | .00114 | .038   | .00344 | .01019 | .00329 | .0198  | .00317 |
| %RSD   | .56358 | .13981 | .46016 | .37187 | .88212 | 3.5348 | .84134 | .89629 | .47996 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 309.57 | .29631 | .24686 | 10.262 | .39048 | .29010 | .39188 | 2.2175 | .65965 |
| #2 | 313.03 | .29556 | .24665 | 10.330 | .38712 | .27735 | .38818 | 2.2276 | .65962 |
| #3 | 310.83 | .29562 | .24872 | 10.326 | .39401 | .29750 | .39475 | 2.1893 | .66514 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19791 | .18778 | 5.890  | .32539 | 4.5764 | .84051 |
| Stddev | .00068 | .00408 | .018   | .00105 | .1180  | .42138 |
| %RSD   | .34588 | 2.1753 | .3046  | .32411 | 2.5793 | 50.134 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .19735 | .18327 | 5.882 | .32540 | 4.6648 | .36925 |
| #2 | .19772 | .19123 | 5.877 | .32645 | 4.4423 | .97127 |
| #3 | .19867 | .18884 | 5.911 | .32434 | 4.6220 | 1.1810 |

Sample Name: K2643-06MS      Acquired: 5/17/2019 19:57:33      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-02-051619 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       | 4373.5 | 52649. | 4815.3 | 56.566 | 4260.1 |
| Stddev    | 21.9   | 82.    | 31.1   | 1.041  | 9.3    |
| %RSD      | .50010 | .15543 | .64540 | 1.8395 | .21782 |
| #1        | 4358.0 | 52555. | 4785.7 | 55.392 | 4249.5 |
| #2        | 4398.5 | 52695. | 4812.4 | 57.373 | 4266.7 |
| #3        | 4363.9 | 52698. | 4847.7 | 56.934 | 4264.0 |

Sample Name: K2643-06MSD      Acquired: 5/17/2019 20:01:49      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-02-051619      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    | .76955 | 1.7866 | .92258 | 1.9537 | .76347 | 1.9953 | .37945 | .18874 | .18435 |
| Stddev | .00432 | .0055  | .00541 | .0137  | .00218 | .0212  | .00144 | .00041 | .00102 |
| %RSD   | .56181 | .30929 | .58636 | .70119 | .28537 | 1.0621 | .37822 | .21642 | .55286 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77063 | 1.7903 | .91987 | 1.9466 | .76096 | 1.9777 | .37938 | .18919 | .18349 |
| #2 | .76479 | 1.7803 | .91905 | 1.9449 | .76486 | 2.0188 | .38091 | .18840 | .18407 |
| #3 | .77323 | 1.7893 | .92881 | 1.9695 | .76459 | 1.9895 | .37805 | .18862 | .18548 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 43.593 | .38084 | .19220 | .29188 | 3.6178 | 1.0964 | 6.0805 | .46818 | .06886 |
| Stddev | .143   | .00111 | .00109 | .00144 | .0108  | .0029  | .0841  | .00150 | .00034 |
| %RSD   | .32900 | .29212 | .56860 | .49186 | .29773 | .26115 | 1.3832 | .32136 | .49847 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 43.427 | .37956 | .19126 | .29119 | 3.6112 | 1.0943 | 6.0882 | .46719 | .06907 |
| #2 | 43.679 | .38154 | .19195 | .29092 | 3.6120 | 1.0954 | 6.1606 | .46744 | .06847 |
| #3 | 43.672 | .38143 | .19340 | .29353 | 3.6303 | 1.0997 | 5.9929 | .46992 | .06905 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 308.51 | .29788 | .24738 | 10.412 | .39375 | .29507 | .38690 | 2.2006 | .66200 |
| Stddev | 2.53   | .00050 | .00117 | .114   | .00068 | .01082 | .00133 | .0041  | .00179 |
| %RSD   | .81953 | .16649 | .47264 | 1.0944 | .17348 | 3.6682 | .34281 | .18558 | .27018 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 311.20 | .29819 | .24635 | 10.288 | .39305 | .30465 | .38656 | 2.2021 | .66046 |
| #2 | 306.19 | .29815 | .24714 | 10.436 | .39441 | .28333 | .38578 | 2.1960 | .66159 |
| #3 | 308.14 | .29731 | .24865 | 10.512 | .39379 | .29723 | .38837 | 2.2037 | .66396 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19830 | .18972 | 5.912  | .32346 | 4.6043 | 1.1376 |
| Stddev | .00161 | .00111 | .026   | .00070 | .0792  | .2032  |
| %RSD   | .81080 | .58289 | .4466  | .21730 | 1.7207 | 17.862 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .19770 | .18855 | 5.885 | .32271 | 4.6058 | 1.0485 |
| #2 | .19709 | .19075 | 5.913 | .32359 | 4.6827 | 1.3702 |
| #3 | .20013 | .18987 | 5.938 | .32410 | 4.5243 | .99421 |

Sample Name: K2643-06MSD      Acquired: 5/17/2019 20:01:49      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-02-051619 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       | 4368.4 | 52613. | 4840.3 | 58.090 | 4272.6 |
| Stddev    | 7.7    | 77.    | 7.1    | 1.184  | 3.1    |
| %RSD      | .17518 | .14542 | .14657 | 2.0374 | .07278 |
| #1        | 4359.6 | 52638. | 4841.4 | 56.793 | 4270.3 |
| #2        | 4371.9 | 52527. | 4846.8 | 59.112 | 4276.1 |
| #3        | 4373.6 | 52673. | 4832.7 | 58.363 | 4271.3 |

Sample Name: K2643-06A      Acquired: 5/17/2019 20:06:05      Type: Unk  
Method: P4-ICP2(v3131)      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    | .76816 | 1.7932 | .92418 | 1.9638 | .75836 | 1.9851 | .37820 | .18909 | .18530 |
| Stddev | .00114 | .0030  | .00148 | .0073  | .00499 | .0188  | .00264 | .00044 | .00054 |
| %RSD   | .14779 | .16576 | .16059 | .36957 | .65760 | .94773 | .69875 | .23496 | .29014 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76715 | 1.7943 | .92562 | 1.9721 | .76271 | 1.9681 | .37566 | .18860 | .18591 |
| #2 | .76794 | 1.7898 | .92266 | 1.9584 | .75292 | 2.0053 | .38094 | .18919 | .18491 |
| #3 | .76939 | 1.7954 | .92428 | 1.9610 | .75946 | 1.9819 | .37799 | .18947 | .18508 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 43.294 | .37764 | .19380 | .29054 | 3.5992 | 1.0869 | 6.0788 | .46811 | .06839 |
| Stddev | .236   | .00072 | .00046 | .00038 | .0104  | .0034  | .0745  | .00185 | .00082 |
| %RSD   | .54593 | .18973 | .23577 | .12927 | .28995 | .30848 | 1.2249 | .39547 | 1.2024 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 43.054 | .37841 | .19423 | .29097 | 3.5897 | 1.0848 | 5.9930 | .46917 | .06745 |
| #2 | 43.301 | .37699 | .19385 | .29038 | 3.5975 | 1.0852 | 6.1166 | .46597 | .06879 |
| #3 | 43.527 | .37752 | .19332 | .29028 | 3.6104 | 1.0908 | 6.1268 | .46918 | .06894 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 303.31 | .29599 | .24801 | 10.354 | .38901 | .28782 | .38666 | 2.1575 | .66274 |
| Stddev | 2.73   | .00031 | .00076 | .041   | .00090 | .02233 | .00290 | .0207  | .00109 |
| %RSD   | .90125 | .10350 | .30480 | .39406 | .23051 | 7.7577 | .74889 | .96094 | .16416 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 302.52 | .29620 | .24866 | 10.344 | .38940 | .29054 | .38530 | 2.1804 | .66226 |
| #2 | 306.35 | .29564 | .24718 | 10.398 | .38799 | .26425 | .38998 | 2.1400 | .66197 |
| #3 | 301.06 | .29615 | .24820 | 10.318 | .38965 | .30866 | .38469 | 2.1521 | .66398 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19722 | .19117 | 5.946  | .32320 | 4.7959 | 1.0213 |
| Stddev | .00200 | .00054 | .023   | .00099 | .1311  | .2772  |
| %RSD   | 1.0163 | .28134 | .3854  | .30513 | 2.7333 | 27.138 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .19785 | .19074 | 5.972 | .32384 | 4.8395 | 1.3152 |
| #2 | .19498 | .19099 | 5.928 | .32370 | 4.8996 | .98402 |
| #3 | .19884 | .19177 | 5.939 | .32206 | 4.6486 | .76467 |

Sample Name: K2643-06A      Acquired: 5/17/2019 20:06:05      Type: Unk  
 Method: P4-ICP2(v3131)      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       | 4389.9 | 53094. | 4897.9 | 57.482 | 4261.8 |
| Stddev    | 4.1    | 116.   | 20.9   | .714   | 6.0    |
| %RSD      | .09255 | .21839 | .42687 | 1.2414 | .13980 |
|           |        |        |        |        |        |
| #1        | 4387.6 | 53187. | 4873.8 | 57.300 | 4255.9 |
| #2        | 4394.6 | 52964. | 4909.0 | 58.268 | 4267.8 |
| #3        | 4387.6 | 53132. | 4910.9 | 56.876 | 4261.8 |

Sample Name: K2643-08      Acquired: 5/17/2019 20:10:22      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-02-051619      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00264 | -.00277 | .00874 | .00243 | .00151 | .24410 | .29072 | .00014 |
| Stddev | .00233 | .00130  | .00123 | .00087 | .00140 | .00347 | .00088 | .00001 |
| %RSD   | 88.100 | 46.852  | 14.054 | 35.756 | 92.582 | 1.4227 | .30148 | 5.2561 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00057 | -.00228 | .01012 | .00144 | .00086 | .24171 | .28988 | .00015 |
| #2 | .00516 | -.00424 | .00832 | .00275 | .00311 | .24809 | .29163 | .00013 |
| #3 | .00219 | -.00179 | .00777 | .00309 | .00055 | .24252 | .29066 | .00013 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00035 | 19.039 | .00000 | .00306 | .00658 | .26520 | .58171 | .83112 |
| Stddev | .00005 | .084   | .00048 | .00012 | .00018 | .00223 | .00064 | .02404 |
| %RSD   | 13.324 | .43989 | 39702. | 3.9208 | 2.7588 | .84239 | .10998 | 2.8926 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00036 | 19.008 | .00052  | .00297 | .00676 | .26398 | .58214 | .80697 |
| #2 | .00039 | 19.134 | -.00008 | .00319 | .00659 | .26778 | .58098 | .83136 |
| #3 | .00030 | 18.976 | -.00044 | .00300 | .00640 | .26385 | .58202 | .85505 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00147 | -.00033 | 342.07 | -.00048 | .07622 | .79384 | -.00041 | .00615 |
| Stddev | .00045 | .00040  | 1.35   | .00018  | .00016 | .01207 | .00014  | .01533 |
| %RSD   | 30.818 | 120.39  | .39331 | 38.428  | .20608 | 1.5200 | 34.580  | 249.36 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00096 | -.00075 | 341.58 | -.00067 | .07639 | .80668 | -.00028 | .02375  |
| #2 | .00163 | -.00030 | 341.03 | -.00031 | .07615 | .78274 | -.00056 | -.00097 |
| #3 | .00181 | .00005  | 343.59 | -.00046 | .07610 | .79210 | -.00040 | -.00433 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .31353 | 1.2181 | -.00151 | .00833 | .00268 | .0160  | .09725 | 4.4775 |
| Stddev | .00175 | .0039  | .00082  | .00060 | .00122 | .0012  | .00045 | .1094  |
| %RSD   | .55907 | .31855 | 54.248  | 7.1976 | 45.743 | 7.542  | .46019 | 2.4435 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .31456 | 1.2143 | -.00148 | .00830 | .00232 | .0154 | .09673 | 4.4720 |
| #2 | .31150 | 1.2178 | -.00234 | .00895 | .00167 | .0152 | .09745 | 4.5896 |
| #3 | .31452 | 1.2221 | -.00070 | .00775 | .00404 | .0174 | .09755 | 4.3710 |

Sample Name: K2643-08      Acquired: 5/17/2019 20:10:22      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OR-02-051619      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.3638  
 Stddev      .2794  
 %RSD      20.485

#1      1.6248  
 #2      1.0691  
 #3      1.3974

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4382.0 | 52120. | 4780.8 | 56.703 | 4289.5 |
| Stddev    | 34.0   | 69.    | 8.6    | .950   | 27.2   |
| %RSD      | .77600 | .13289 | .18051 | 1.6762 | .63357 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4357.9 | 52153. | 4784.6 | 57.550 | 4268.6 |
| #2 | 4367.2 | 52040. | 4770.9 | 55.675 | 4279.8 |
| #3 | 4420.9 | 52166. | 4786.9 | 56.883 | 4320.3 |

Sample Name: K2648-02      Acquired: 5/17/2019 20:14:55      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TR-05-051619      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00107 | -.00431 | .00868 | .00062 | .00215 | .31669 | .12768 | .00013 |
| Stddev | .00200 | .00121  | .00084 | .00036 | .00171 | .00393 | .00032 | .00002 |
| %RSD   | 186.33 | 28.032  | 9.6657 | 58.240 | 79.444 | 1.2405 | .25140 | 14.542 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00334  | -.00570 | .00881 | .00020 | .00362 | .31330 | .12771 | .00014 |
| #2 | .00031  | -.00375 | .00778 | .00084 | .00027 | .32100 | .12735 | .00011 |
| #3 | -.00044 | -.00349 | .00945 | .00083 | .00256 | .31578 | .12799 | .00015 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00008 | 29.394 | .00058 | .00383 | .00426 | .35772 | .31666 | 2.5689 |
| Stddev | .00010 | .144   | .00001 | .00026 | .00032 | .00159 | .00143 | .0652  |
| %RSD   | 137.76 | .48964 | 2.1461 | 6.7107 | 7.4719 | .44417 | .45075 | 2.5385 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00019  | 29.267 | .00058 | .00354 | .00418 | .35595 | .31632 | 2.4951 |
| #2 | -.00000 | 29.365 | .00060 | .00394 | .00461 | .35901 | .31822 | 2.5928 |
| #3 | .00003  | 29.550 | .00057 | .00402 | .00399 | .35821 | .31543 | 2.6188 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00065 | -.00017 | 288.66 | .00076 | .05511 | 1.4472 | -.00019 | .01664 |
| Stddev | .00006 | .00041  | .82    | .00018 | .00012 | .0061  | .00017  | .00531 |
| %RSD   | 9.6944 | 238.17  | .28499 | 23.224 | .22478 | .41920 | 91.964  | 31.891 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00065 | .00011  | 288.31 | .00056 | .05525 | 1.4495 | -.00021 | .01122 |
| #2 | .00071 | .00002  | 288.07 | .00085 | .05501 | 1.4403 | -.00000 | .01687 |
| #3 | .00058 | -.00065 | 289.60 | .00088 | .05507 | 1.4517 | -.00034 | .02183 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .55192 | 1.1043 | -.00168 | .00972 | .00400 | .0512  | .11347 | 4.0852 |
| Stddev | .00451 | .0104  | .00031  | .00167 | .00203 | .0008  | .00073 | .0525  |
| %RSD   | .81684 | .94086 | 18.427  | 17.156 | 50.683 | 1.655  | .63991 | 1.2851 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .55309 | 1.0924 | -.00157 | .00786 | .00291 | .0503 | .11267 | 4.1284 |
| #2 | .55574 | 1.1111 | -.00143 | .01108 | .00275 | .0518 | .11367 | 4.0268 |
| #3 | .54695 | 1.1095 | -.00203 | .01023 | .00634 | .0516 | .11407 | 4.1003 |

Sample Name: K2648-02      Acquired: 5/17/2019 20:14:55      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TR-05-051619      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.4987 |
| Stddev | .3575  |
| %RSD   | 23.856 |

|    |        |
|----|--------|
| #1 | 1.9057 |
| #2 | 1.2353 |
| #3 | 1.3550 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4395.8 | 52418. | 4817.4 | 57.678 | 4316.0 |
| Stddev    | 8.3    | 130.   | 11.6   | 1.993  | 12.7   |
| %RSD      | .18813 | .24743 | .24102 | 3.4552 | .29490 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4389.4 | 52435. | 4828.5 | 58.533 | 4304.5 |
| #2 | 4392.8 | 52281. | 4805.3 | 59.100 | 4313.7 |
| #3 | 4405.1 | 52539. | 4818.5 | 55.400 | 4329.7 |

Sample Name: K2869-12      Acquired: 5/17/2019 20:19:27      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ROCKY-SOIL      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00064 | -.00298 | .00506 | .00409 | .00117 | .08496 | .07221 | .00013 |
| Stddev | .00191 | .00071  | .00018 | .00294 | .00219 | .00516 | .00113 | .00003 |
| %RSD   | 300.90 | 23.625  | 3.6536 | 71.986 | 187.12 | 6.0768 | 1.5612 | 23.189 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00281  | -.00224 | .00496 | .00369 | -.00050 | .07900 | .07317 | .00017 |
| #2 | -.00013 | -.00306 | .00527 | .00136 | .00365  | .08816 | .07097 | .00010 |
| #3 | -.00078 | -.00365 | .00495 | .00721 | .00036  | .08771 | .07250 | .00013 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00004 | 20.278 | .00051 | .00492 | .00358 | .49663 | .25147 | .24712 |
| Stddev | .00005  | .194   | .00027 | .00009 | .00032 | .00190 | .00198 | .05380 |
| %RSD   | 117.94  | .95610 | 53.928 | 1.7691 | 9.0801 | .38309 | .78701 | 21.771 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00003 | 20.096 | .00081 | .00489 | .00349 | .49572 | .25132 | .18867 |
| #2 | .00000  | 20.256 | .00027 | .00501 | .00331 | .49535 | .24956 | .29456 |
| #3 | -.00010 | 20.482 | .00044 | .00484 | .00394 | .49881 | .25351 | .25813 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00428 | -.00034 | 281.19 | -.00013 | .03941 | 1.6665 | -.00026 | .00264 |
| Stddev | .00050 | .00037  | 3.85   | .00060  | .00014 | .0322  | .00016  | .02644 |
| %RSD   | 11.611 | 108.57  | 1.3709 | 454.11  | .36497 | 1.9307 | 60.281  | 1000.1 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00485 | -.00025 | 277.80 | -.00009 | .03934 | 1.6305 | -.00018 | -.02779 |
| #2 | .00396 | -.00003 | 280.38 | .00044  | .03957 | 1.6765 | -.00016 | .01568  |
| #3 | .00402 | -.00075 | 285.38 | -.00075 | .03931 | 1.6925 | -.00044 | .02004  |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .09966 | .39762 | -.00215 | -.00158 | .00347 | -.0007 | .01525 | 4.3190 |
| Stddev | .00243 | .00716 | .00046  | .00079  | .00109 | .0008  | .00022 | .2061  |
| %RSD   | 2.4389 | 1.8004 | 21.452  | 50.099  | 31.481 | 110.5  | 1.4304 | 4.7729 |

|    |        |        |         |         |        |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .09712 | .38966 | -.00252 | -.00210 | .00228 | -.0008 | .01516 | 4.1976 |
| #2 | .10196 | .39968 | -.00230 | -.00067 | .00442 | .0001  | .01509 | 4.5570 |
| #3 | .09990 | .40353 | -.00164 | -.00199 | .00372 | -.0014 | .01550 | 4.2024 |

Sample Name: K2869-12      Acquired: 5/17/2019 20:19:27      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ROCKY-SOIL      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.2190 |
| Stddev | .1591  |
| %RSD   | 13.050 |

|    |        |
|----|--------|
| #1 | 1.2030 |
| #2 | 1.3855 |
| #3 | 1.0685 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4425.9 | 53260. | 4872.5 | 56.944 | 4354.5 |
| Stddev    | 12.2   | 217.   | 49.0   | 1.036  | 7.4    |
| %RSD      | .27488 | .40706 | 1.0061 | 1.8197 | .16998 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4428.0 | 53465. | 4928.2 | 57.033 | 4361.8 |
| #2 | 4412.8 | 53282. | 4853.1 | 55.867 | 4347.0 |
| #3 | 4436.8 | 53033. | 4836.2 | 57.933 | 4354.8 |

Sample Name: K2880-03      Acquired: 5/17/2019 20:24:02      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 339-RBR-2516      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00010 | -.00321 | .16246 | .00352 | .00115 | .17439 | .23618 | .00027 |
| Stddev | .00328  | .00039  | .00051 | .00180 | .00040 | .01074 | .00296 | .00001 |
| %RSD   | 3319.2  | 12.308  | .31160 | 51.196 | 35.195 | 6.1590 | 1.2541 | 2.6927 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00294  | -.00313 | .16189 | .00322 | .00068 | .18622 | .23438 | .00028 |
| #2 | .00034  | -.00285 | .16260 | .00189 | .00138 | .17167 | .23959 | .00027 |
| #3 | -.00358 | -.00363 | .16288 | .00545 | .00139 | .16526 | .23455 | .00027 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00147 | 25.093 | .00095 | .00188 | .01136 | .11668 | .30632 | .93138 |
| Stddev | .00002 | .135   | .00033 | .00009 | .00026 | .00069 | .00061 | .01861 |
| %RSD   | 1.2253 | .53625 | 35.049 | 4.6265 | 2.2994 | .59031 | .19782 | 1.9978 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00147 | 24.966 | .00114 | .00186 | .01106 | .11672 | .30653 | .95146 |
| #2 | .00149 | 25.080 | .00115 | .00198 | .01149 | .11598 | .30564 | .92794 |
| #3 | .00146 | 25.234 | .00057 | .00181 | .01152 | .11735 | .30679 | .91473 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00552 | -.00055 | 303.27 | .00025 | .18332 | 1.7868 | -.00044 | .02040 |
| Stddev | .00029 | .00027  | 1.74   | .00064 | .00030 | .0182  | .00030  | .00957 |
| %RSD   | 5.2025 | 48.963  | .57347 | 252.61 | .16260 | 1.0214 | 68.455  | 46.920 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00558 | -.00027 | 304.31 | .00099  | .18298 | 1.7967 | -.00064 | .02613 |
| #2 | .00521 | -.00080 | 304.23 | -.00005 | .18352 | 1.7657 | -.00009 | .02572 |
| #3 | .00577 | -.00059 | 301.26 | -.00018 | .18346 | 1.7979 | -.00057 | .00935 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .40805 | 1.8201 | -.00177 | .00548 | .00586 | .0115  | .12078 | 4.4879 |
| Stddev | .00125 | .0118  | .00154  | .00388 | .00014 | .0029  | .00058 | .0791  |
| %RSD   | .30593 | .64608 | 87.055  | 70.762 | 2.3441 | 24.86  | .48180 | 1.7634 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .40906 | 1.8300 | -.00284 | .00127 | .00597 | .0083 | .12024 | 4.5604 |
| #2 | .40666 | 1.8071 | -.00245 | .00891 | .00570 | .0136 | .12070 | 4.4035 |
| #3 | .40845 | 1.8231 | -.00001 | .00627 | .00590 | .0126 | .12140 | 4.4997 |

Sample Name: K2880-03      Acquired: 5/17/2019 20:24:02      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 339-RBR-2516      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.2908 |
| Stddev | .1071  |
| %RSD   | 8.2950 |

|    |        |
|----|--------|
| #1 | 1.3556 |
| #2 | 1.3496 |
| #3 | 1.1672 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4370.3 | 52403. | 4786.5 | 55.697 | 4290.0 |
| Stddev    | 5.0    | 154.   | 45.5   | .379   | 10.6   |
| %RSD      | .11380 | .29400 | .95085 | .68012 | .24815 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4374.7 | 52307. | 4766.7 | 55.450 | 4302.0 |
| #2 | 4364.9 | 52322. | 4838.5 | 56.133 | 4281.8 |
| #3 | 4371.2 | 52581. | 4754.2 | 55.508 | 4286.2 |

Sample Name: K2896-04      Acquired: 5/17/2019 20:28:36      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-18-S      Custom ID2:      Custom ID3:  
Comment:

|        |        |          |         |         |        |        |        |        |
|--------|--------|----------|---------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908   | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00640 | -.00383  | .02264  | .00345  | .00447 | .78981 | .66316 | .00041 |
| Stddev | .00162 | .00048   | .00090  | .00210  | .00069 | .00851 | .00008 | .00007 |
| %RSD   | 25.342 | 12.470   | 3.9566  | 60.935  | 15.484 | 1.0777 | .01237 | 15.747 |
| #1     | .00671 | -.00414  | .02305  | .00218  | .00525 | .77999 | .66310 | .00034 |
| #2     | .00784 | -.00328  | .02161  | .00588  | .00393 | .79497 | .66314 | .00043 |
| #3     | .00464 | -.00406  | .02326  | .00229  | .00424 | .79448 | .66325 | .00047 |
| Elem   | Cd2265 | Ca3736   | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00033 | 110.61   | .00126  | .00362  | .00200 | 3.2103 | 1.0095 | 11.896 |
| Stddev | .00009 | .48      | .00019  | .00005  | .00017 | .0095  | .0060  | .201   |
| %RSD   | 28.501 | .43357   | 14.732  | 1.4835  | 8.4661 | .29553 | .59327 | 1.6880 |
| #1     | .00039 | 110.64   | .00145  | .00357  | .00207 | 3.2054 | 1.0146 | 11.680 |
| #2     | .00022 | 110.12   | .00108  | .00368  | .00181 | 3.2042 | 1.0029 | 11.933 |
| #3     | .00038 | 111.08   | .00126  | .00360  | .00213 | 3.2212 | 1.0109 | 12.076 |
| Elem   | Ni2316 | Ag3280   | Na5895  | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01521 | -.00060  | 339.13  | .00027  | .23423 | 1.1482 | .00145 | .07293 |
| Stddev | .00017 | .00034   | 1.19    | .00022  | .00026 | .0235  | .00039 | .00754 |
| %RSD   | 1.1143 | 56.434   | .34972  | 83.099  | .10998 | 2.0453 | 26.971 | 10.345 |
| #1     | .01534 | -.00058  | 337.84  | .00041  | .23414 | 1.1239 | .00120 | .06604 |
| #2     | .01502 | -.00094  | 340.17  | .00001  | .23402 | 1.1498 | .00190 | .07176 |
| #3     | .01527 | -.00027  | 339.37  | .00039  | .23452 | 1.1708 | .00125 | .08099 |
| Elem   | S_1820 | Si2881   | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.5314 | F 10.747 | -.00107 | -.00224 | .01129 | .0031  | .26608 | 4.8307 |
| Stddev | .0042  | .099     | .00046  | .00151  | .00127 | .0008  | .00084 | .1686  |
| %RSD   | .27412 | .91965   | 42.932  | 67.277  | 11.271 | 25.66  | .31651 | 3.4907 |
| #1     | 1.5330 | 10.845   | -.00124 | -.00364 | .00984 | .0033  | .26621 | 4.7303 |
| #2     | 1.5266 | 10.648   | -.00142 | -.00064 | .01179 | .0039  | .26518 | 5.0253 |
| #3     | 1.5346 | 10.749   | -.00055 | -.00244 | .01224 | .0023  | .26686 | 4.7364 |

Sample Name: K2896-04      Acquired: 5/17/2019 20:28:36      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-18-S      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.4997 |
| Stddev | .1748  |
| %RSD   | 6.9939 |

|    |        |
|----|--------|
| #1 | 2.5758 |
| #2 | 2.6236 |
| #3 | 2.2997 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4300.5 | 50956. | 4705.3 | 56.846 | 4183.3 |
| Stddev    | 22.2   | 75.    | 26.8   | .949   | 4.0    |
| %RSD      | .51571 | .14623 | .56905 | 1.6687 | .09622 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4306.6 | 50929. | 4676.0 | 56.236 | 4179.6 |
| #2 | 4276.0 | 50898. | 4728.6 | 57.938 | 4182.7 |
| #3 | 4319.0 | 51040. | 4711.3 | 56.362 | 4187.6 |

Sample Name: K2896-08      Acquired: 5/17/2019 20:33:08      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-20-S      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00705 | -.00427 | .01415 | .00610 | .00287 | .11320 | .78452 | .00017 |
| Stddev | .00189 | .00079  | .00110 | .00106 | .00116 | .00417 | .00604 | .00009 |
| %RSD   | 26.773 | 18.419  | 7.7912 | 17.318 | 40.362 | 3.6800 | .77017 | 52.810 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00859 | -.00338 | .01540 | .00726 | .00389 | .10950 | .78335 | .00019 |
| #2 | .00494 | -.00458 | .01373 | .00583 | .00161 | .11239 | .79106 | .00007 |
| #3 | .00761 | -.00486 | .01332 | .00520 | .00309 | .11771 | .77915 | .00024 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00002 | 15.126 | .00052 | .00274 | .00422 | 1.6821 | .17354 | 1.5889 |
| Stddev | .00007  | .027   | .00020 | .00020 | .00040 | .0020  | .00080 | .0157  |
| %RSD   | 297.26  | .17790 | 37.885 | 7.4761 | 9.5788 | .12145 | .46078 | .98509 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00000 | 15.095 | .00029 | .00285 | .00465 | 1.6844 | .17335 | 1.5850 |
| #2 | .00004  | 15.141 | .00062 | .00250 | .00417 | 1.6815 | .17442 | 1.5755 |
| #3 | -.00010 | 15.143 | .00064 | .00287 | .00385 | 1.6805 | .17285 | 1.6061 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00858 | -.00065 | 337.69 | .00215 | .35291 | .69416 | -.00022 | .02947 |
| Stddev | .00013 | .00064  | 6.00   | .00014 | .00110 | .00242 | .00017  | .01696 |
| %RSD   | 1.5530 | 98.475  | 1.7771 | 6.4590 | .31095 | .34875 | 75.841  | 57.559 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00855 | -.00103 | 335.01 | .00222 | .35356 | .69638 | -.00031 | .04822 |
| #2 | .00847 | .00009  | 344.56 | .00199 | .35164 | .69158 | -.00032 | .02500 |
| #3 | .00873 | -.00099 | 333.49 | .00224 | .35353 | .69451 | -.00003 | .01519 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .37983 | 1.2568 | -.00091 | .00063 | .00582 | .0371  | .11979 | 5.0676 |
| Stddev | .00184 | .0071  | .00033  | .00057 | .00269 | .0008  | .00043 | .0943  |
| %RSD   | .48336 | .56196 | 36.496  | 90.272 | 46.273 | 2.031  | .35677 | 1.8604 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .38014 | 1.2562 | -.00053 | .00128 | .00378 | .0380 | .11952 | 5.0646 |
| #2 | .38148 | 1.2501 | -.00109 | .00035 | .00887 | .0366 | .11957 | 4.9748 |
| #3 | .37785 | 1.2642 | -.00112 | .00026 | .00480 | .0368 | .12028 | 5.1633 |

Sample Name: K2896-08      Acquired: 5/17/2019 20:33:08      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-20-S      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.7432  
 Stddev      .1690  
 %RSD      9.6955

#1      1.9364  
 #2      1.6227  
 #3      1.6705

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4324.2 | 51605. | 4755.4 | 55.556 | 4233.5 |
| Stddev    | 12.3   | 304.   | 7.6    | 1.220  | 19.8   |
| %RSD      | .28489 | .58977 | .15908 | 2.1951 | .46830 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4310.0 | 51574. | 4755.2 | 54.646 | 4213.5 |
| #2 | 4330.3 | 51317. | 4763.1 | 55.079 | 4253.2 |
| #3 | 4332.3 | 51923. | 4747.9 | 56.941 | 4233.9 |

Sample Name: K2899-01      Acquired: 5/17/2019 20:37:40      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OIL-WATER-SE      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00569 | -.00264 | .00930 | .00371 | .01184 | .06804 | .32423 | .00079 |
| Stddev | .00239 | .00102  | .00083 | .00142 | .00083 | .00866 | .00291 | .00004 |
| %RSD   | 42.077 | 38.480  | 8.9445 | 38.137 | 7.0083 | 12.730 | .89642 | 5.6236 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00837 | -.00382 | .00842 | .00213 | .01201 | .07654 | .32264 | .00084 |
| #2 | .00491 | -.00201 | .01008 | .00485 | .01093 | .05923 | .32758 | .00075 |
| #3 | .00378 | -.00211 | .00942 | .00416 | .01257 | .06836 | .32246 | .00079 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00137 | 41.511 | -.00073 | .00642 | .00513 | 25.345 | .19168 | 1.5510 |
| Stddev | .00004  | .334   | .00034  | .00020 | .00007 | .016   | .00064 | .0275  |
| %RSD   | 3.2267  | .80436 | 47.175  | 3.0571 | 1.3100 | .06476 | .33597 | 1.7718 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00136 | 41.178 | -.00112 | .00620 | .00516 | 25.359 | .19168 | 1.5531 |
| #2 | -.00142 | 41.509 | -.00057 | .00657 | .00506 | 25.327 | .19232 | 1.5773 |
| #3 | -.00134 | 41.846 | -.00049 | .00650 | .00518 | 25.348 | .19103 | 1.5225 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02858 | -.00035 | 285.87 | .00367 | .51267 | .40632 | .00185 | .01556 |
| Stddev | .00012 | .00031  | 3.34   | .00018 | .00065 | .02494 | .00026 | .00868 |
| %RSD   | .41412 | 87.176  | 1.1688 | 4.9400 | .12676 | 6.1375 | 14.285 | 55.762 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .02852 | -.00069 | 282.04 | .00385 | .51265 | .40102 | .00155 | .02533 |
| #2 | .02851 | -.00010 | 287.41 | .00368 | .51334 | .38447 | .00192 | .01261 |
| #3 | .02872 | -.00026 | 288.16 | .00349 | .51204 | .43349 | .00207 | .00875 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .31343 | 1.1518 | -.00151 | -.00138 | .01926 | .0298  | .08916 | 4.6910 |
| Stddev | .00158 | .0142  | .00093  | .00120  | .00061 | .0017  | .00106 | .0873  |
| %RSD   | .50372 | 1.2367 | 61.334  | 87.142  | 3.1782 | 5.619  | 1.1843 | 1.8616 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .31165 | 1.1407 | -.00196 | -.00022 | .01871 | .0291 | .08806 | 4.7559 |
| #2 | .31395 | 1.1468 | -.00212 | -.00261 | .01992 | .0285 | .08925 | 4.7254 |
| #3 | .31468 | 1.1679 | -.00044 | -.00130 | .01914 | .0317 | .09017 | 4.5917 |

Sample Name: K2899-01      Acquired: 5/17/2019 20:37:40      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OIL-WATER-SE Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      7.6720  
 Stddev      .3722  
 %RSD      4.8513

#1      7.9376  
 #2      7.2466  
 #3      7.8318

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4321.6 | 51943. | 4803.5 | 55.551 | 4220.8 |
| Stddev    | 7.5    | 114.   | 44.1   | .678   | 6.5    |
| %RSD      | .17462 | .21985 | .91732 | 1.2199 | .15329 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4312.9 | 51859. | 4843.0 | 55.345 | 4214.8 |
| #2 | 4325.8 | 51896. | 4811.7 | 56.308 | 4220.0 |
| #3 | 4326.1 | 52073. | 4756.0 | 55.000 | 4227.7 |

Sample Name: CCV10      Acquired: 5/17/2019 20:42:12      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA8222      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0461 | 4.9745 | 4.9384 | 5.0179 | 5.0617 | 9.4131 | 9.9348 | .25022   |
| Stddev | .0024  | .0174  | .0051  | .0057  | .0053  | .3935  | .4000  | .01093   |
| %RSD   | .04815 | .35036 | .10238 | .11454 | .10429 | 4.1805 | 4.0265 | 4.3676   |
| #1     | 5.0433 | 4.9856 | 4.9385 | 5.0146 | 5.0666 | 9.2078 | 9.7475 | .24644   |
| #2     | 5.0472 | 4.9834 | 4.9434 | 5.0245 | 5.0561 | 9.8669 | 10.394 | .26253   |
| #3     | 5.0478 | 4.9544 | 4.9333 | 5.0146 | 5.0623 | 9.1647 | 9.6628 | .24168   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4475 | 25.643 | .99421 | 2.4685 | 1.2432 | 5.0275 | 2.4334 | 24.333   |
| Stddev | .0021  | .083   | .04573 | .0014  | .0011  | .2275  | .1039  | 1.000    |
| %RSD   | .08381 | .32548 | 4.5994 | .05568 | .08869 | 4.5255 | 4.2697 | 4.1105   |
| #1     | 2.4494 | 25.548 | .97866 | 2.4682 | 1.2421 | 4.9542 | 2.3935 | 23.642   |
| #2     | 2.4479 | 25.704 | 1.0457 | 2.4699 | 1.2432 | 5.2827 | 2.5514 | 25.479   |
| #3     | 2.4453 | 25.677 | .95828 | 2.4672 | 1.2443 | 4.8457 | 2.3554 | 23.876   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4520 | 1.2531 | 24.201 | 2.5259 | 2.5165 | 23.986 | 5.0049 | 4.7320   |
| Stddev | .0033  | .0512  | .993   | .1158  | .0008  | 1.001  | .0084  | .2306    |
| %RSD   | .13571 | 4.0894 | 4.1031 | 4.5831 | .03119 | 4.1747 | .16738 | 4.8738   |
| #1     | 2.4519 | 1.2352 | 23.751 | 2.4816 | 2.5162 | 23.436 | 4.9955 | 4.6416   |
| #2     | 2.4553 | 1.3110 | 25.339 | 2.6573 | 2.5159 | 25.142 | 5.0114 | 4.9941   |
| #3     | 2.4487 | 1.2133 | 23.513 | 2.4388 | 2.5174 | 23.380 | 5.0079 | 4.5602   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9952 | 5.0588 | 4.9974 | 5.0701 | 4.8917 | 5.119  | 4.7756 | F 3.8422 |
| Stddev | .0160  | .0593  | .0036  | .0170  | .0202  | .013   | .0156  | .5818    |
| %RSD   | .31987 | 1.1718 | .07109 | .33441 | .41281 | .2624  | .32718 | 15.143   |
| #1     | 5.0064 | 5.1091 | 4.9969 | 5.0520 | 4.9089 | 5.124  | 4.7897 | 3.7228   |
| #2     | 4.9769 | 5.0739 | 4.9942 | 5.0855 | 4.8967 | 5.130  | 4.7783 | 4.4745   |
| #3     | 5.0022 | 4.9935 | 5.0012 | 5.0728 | 4.8695 | 5.104  | 4.7588 | 3.3294   |

Sample Name: CCV10      Acquired: 5/17/2019 20:42:12      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA8222      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.6526 |
| Stddev | .0858    |
| %RSD   | 3.2353   |

|    |        |
|----|--------|
| #1 | 2.6060 |
| #2 | 2.7517 |
| #3 | 2.6002 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4503.3 | 53375. | 4805.1 | 58.886 | 4355.8 |
| Stddev    | 7.0    | 1928.  | 39.1   | .658   | 4.7    |
| %RSD      | .15566 | 3.6127 | .81293 | 1.1166 | .10720 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4510.7 | 54113. | 4760.0 | 58.287 | 4358.7 |
| #2 | 4496.7 | 51187. | 4827.6 | 58.781 | 4350.5 |
| #3 | 4502.7 | 54825. | 4827.7 | 59.589 | 4358.4 |

Sample Name: CCB10      Acquired: 5/17/2019 20:46:17      Type: Unk  
Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB8222      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00049 | .00095  | .00191  | .00019  | .00177  | -.04388 | .00104  | .00009   |
| Stddev | .00055  | .00050  | .00067  | .00241  | .00080  | .00578  | .00026  | .00004   |
| %RSD   | 112.70  | 52.480  | 35.073  | 1269.8  | 45.172  | 13.167  | 25.015  | 45.818   |
| #1     | .00010  | .00070  | .00204  | -.00232 | .00243  | -.03762 | .00133  | .00013   |
| #2     | -.00056 | .00063  | .00118  | .00042  | .00088  | -.04902 | .00085  | .00005   |
| #3     | -.00101 | .00153  | .00249  | .00247  | .00198  | -.04498 | .00093  | .00007   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00008  | .00887  | -.00041 | .00010  | -.00106 | -.00037 | -.00028 | .01506   |
| Stddev | .00004  | .01146  | .00017  | .00011  | .00038  | .00044  | .00004  | .03710   |
| %RSD   | 51.229  | 129.19  | 41.536  | 107.96  | 35.523  | 120.60  | 15.088  | 246.36   |
| #1     | .00004  | -.00205 | -.00060 | -.00002 | -.00136 | -.00075 | -.00024 | -.01941  |
| #2     | .00013  | .00786  | -.00026 | .00017  | -.00064 | -.00046 | -.00031 | .01026   |
| #3     | .00008  | .02081  | -.00038 | .00015  | -.00119 | .00012  | -.00031 | .05432   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00014 | -.00026 | .09649  | .00070  | -.00115 | .07502  | .00029  | -.01303  |
| Stddev | .00003  | .00008  | .00545  | .00008  | .00007  | .04641  | .00017  | .00856   |
| %RSD   | 19.427  | 30.344  | 5.6534  | 10.769  | 6.1843  | 61.861  | 57.897  | 65.731   |
| #1     | -.00013 | -.00030 | .09485  | .00070  | -.00108 | .08183  | .00045  | -.01661  |
| #2     | -.00011 | -.00030 | .09204  | .00077  | -.00115 | .02558  | .00031  | -.00326  |
| #3     | -.00016 | -.00017 | .10257  | .00062  | -.00122 | .11764  | .00012  | -.01922  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00215 | -.00176 | -.00126 | -.00033 | -.00071 | -.0011  | -.00077 | F 2.6253 |
| Stddev | .00114  | .00215  | .00026  | .00113  | .00162  | .0001   | .00005  | .0655    |
| %RSD   | 53.230  | 121.90  | 20.701  | 339.23  | 228.78  | 9.932   | 6.8906  | 2.4964   |
| #1     | -.00248 | -.00141 | -.00096 | .00079  | -.00008 | -.0010  | -.00079 | 2.5521   |
| #2     | -.00308 | -.00406 | -.00139 | -.00147 | -.00255 | -.0010  | -.00071 | 2.6786   |
| #3     | -.00087 | .00019  | -.00144 | -.00032 | .00050  | -.0012  | -.00081 | 2.6451   |

Sample Name: CCB10      Acquired: 5/17/2019 20:46:17      Type: Unk  
 Method: P4-ICP2(v3131)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB8222      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .78156 |
| Stddev | .23455   |
| %RSD   | 30.010   |

|    |        |
|----|--------|
| #1 | .71488 |
| #2 | 1.0422 |
| #3 | .58757 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4688.3 | 56384. | 4823.7 | 57.650 | 4954.2 |
| Stddev    | 15.2   | 314.   | 58.5   | .674   | 15.1   |
| %RSD      | .32391 | .55639 | 1.2129 | 1.1693 | .30467 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4676.6 | 56055. | 4875.6 | 57.975 | 4943.0 |
| #2 | 4682.9 | 56419. | 4835.2 | 58.100 | 4948.2 |
| #3 | 4705.4 | 56679. | 4760.3 | 56.875 | 4971.4 |