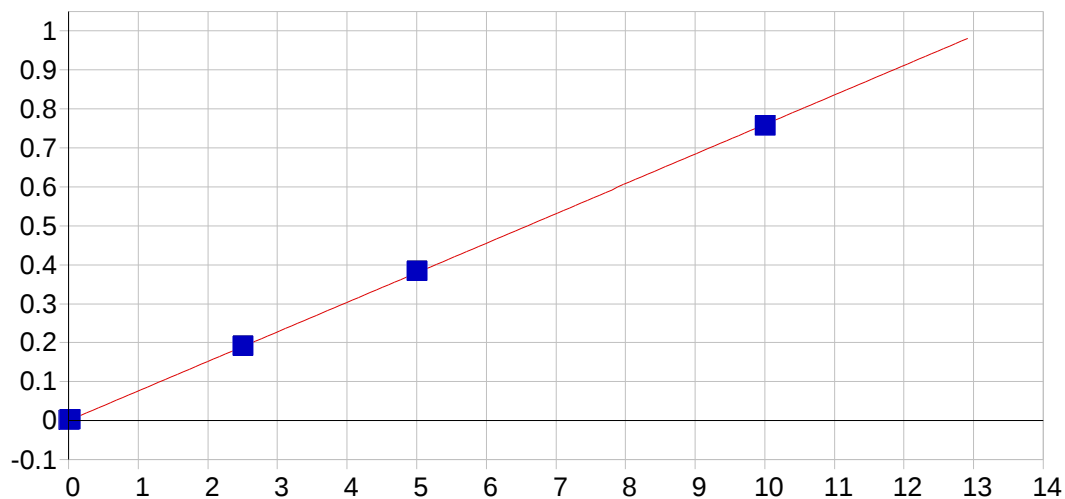


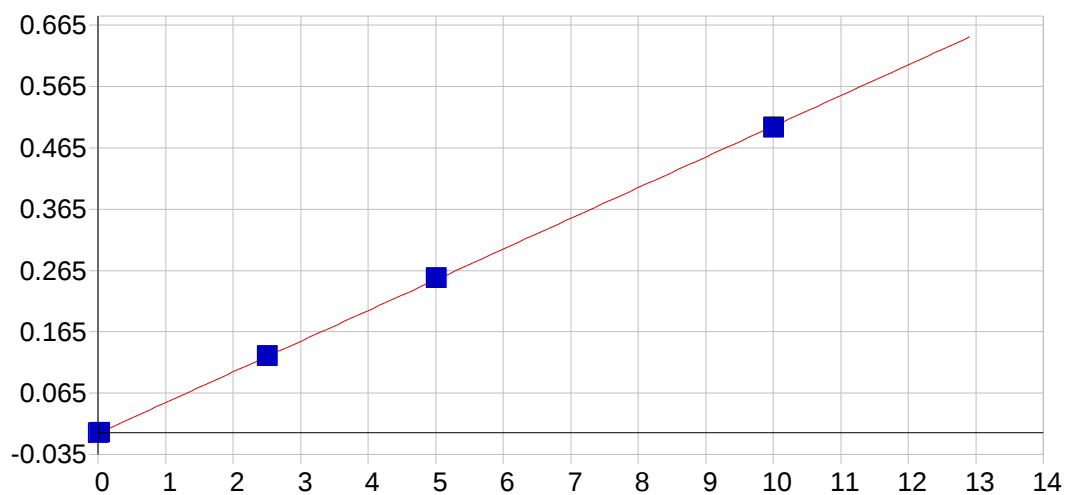


As 189.042 {478}

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000592 Re-Slope: 1.000000  
 A1 (Gain): 0.076031 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999982 Status: OK.  
 Std Error of Est: 0.000011  
 Predicted MDL: 0.002830  
 Predicted MQL: 0.009435

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00059 | .000    | 1        |
| S1        | .02000       | .02154      | .002       | 7.72    | .00105  | .000    | 1        |
| S3        | 2.5000       | 2.5066      | .007       | .264    | .18998  | .001    | 1        |
| S4        | 5.0000       | 5.0382      | .038       | .764    | .38244  | .000    | 1        |
| S5        | 10.000       | 9.9537      | -.046      | -.463   | .75614  | .000    | 1        |



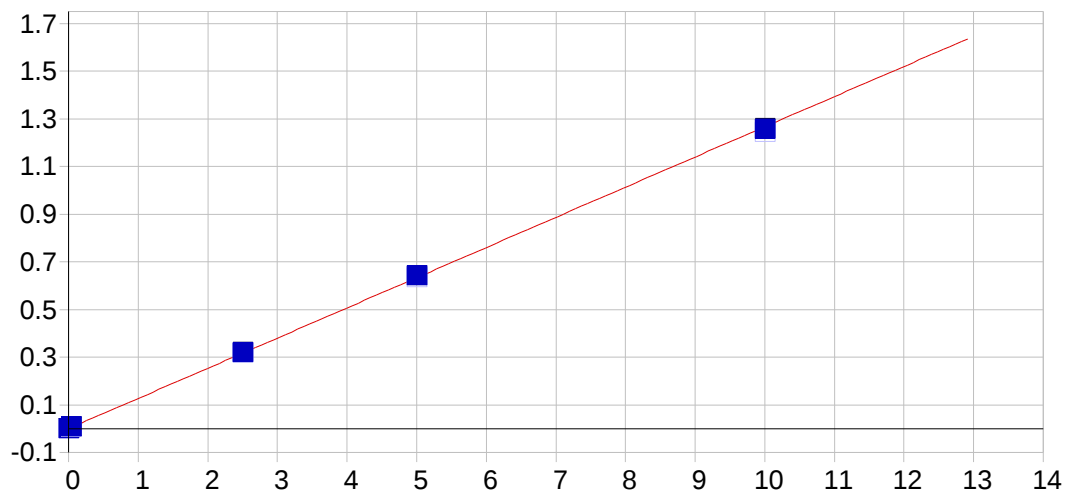
As 189.042 {479}

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000626 Re-Slope: 1.000000

A1 (Gain): 0.050084 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999981 Status: OK.  
 Std Error of Est: 0.000008  
 Predicted MDL: 0.002762  
 Predicted MQL: 0.009208

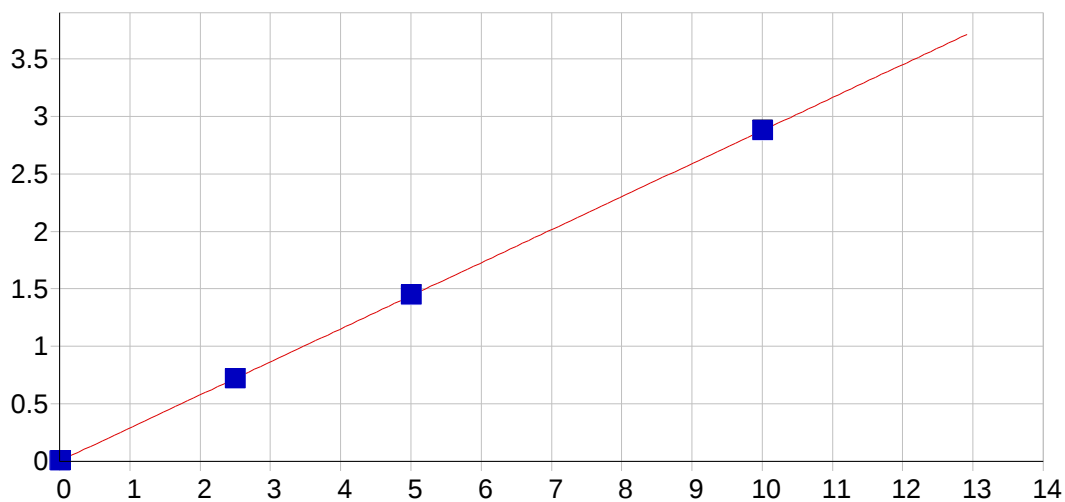
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00063 | .000    | 1        |
| S1        | .02000       | .01979      | -.000      | -1.05   | .00037  | .000    | 1        |
| S3        | 2.5000       | 2.5065      | .007       | .260    | .12491  | .000    | 1        |
| S4        | 5.0000       | 5.0446      | .045       | .891    | .25203  | .001    | 1        |
| S5        | 10.000       | 9.9491      | -.051      | -.509   | .49768  | .000    | 1        |



Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000013 Re-Slope: 1.000000  
 A1 (Gain): 0.126635 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999912 Status: OK.  
 Std Error of Est: 0.000057  
 Predicted MDL: 0.001323  
 Predicted MQL: 0.004409

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00001 | .000    | 1        |
| S1        | .04000       | .04838      | .008       | 20.9    | .00601 | .000    | 1        |
| S3        | 2.5000       | 2.5131      | .013       | .523    | .31501 | .001    | 1        |
| S4        | 5.0000       | 5.0551      | .055       | 1.10    | .63367 | .001    | 1        |
| S5        | 10.000       | 9.9236      | -.076      | -.764   | 1.2437 | .002    | 1        |

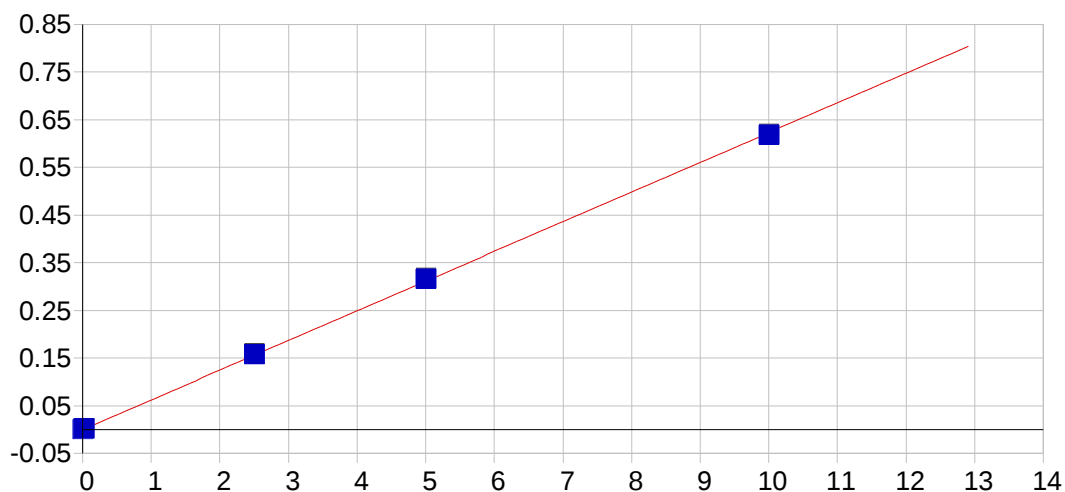


Pb 220.353 {453}

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003373 Re-Slope: 1.000000  
 A1 (Gain): 0.287201 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999976 Status: OK.  
 Std Error of Est: 0.000037  
 Predicted MDL: 0.000998  
 Predicted MQL: 0.003326

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00337 | .000    | 1        |
| S1        | .01200       | .01479      | .003       | 23.2    | .00755 | .000    | 1        |
| S3        | 2.5000       | 2.4819      | -.018      | -.725   | .71518 | .003    | 1        |
| S4        | 5.0000       | 5.0172      | .017       | .345    | 1.4424 | .001    | 1        |
| S5        | 10.000       | 9.9982      | -.002      | -.018   | 2.8709 | .003    | 1        |



Se 196.090 {472}

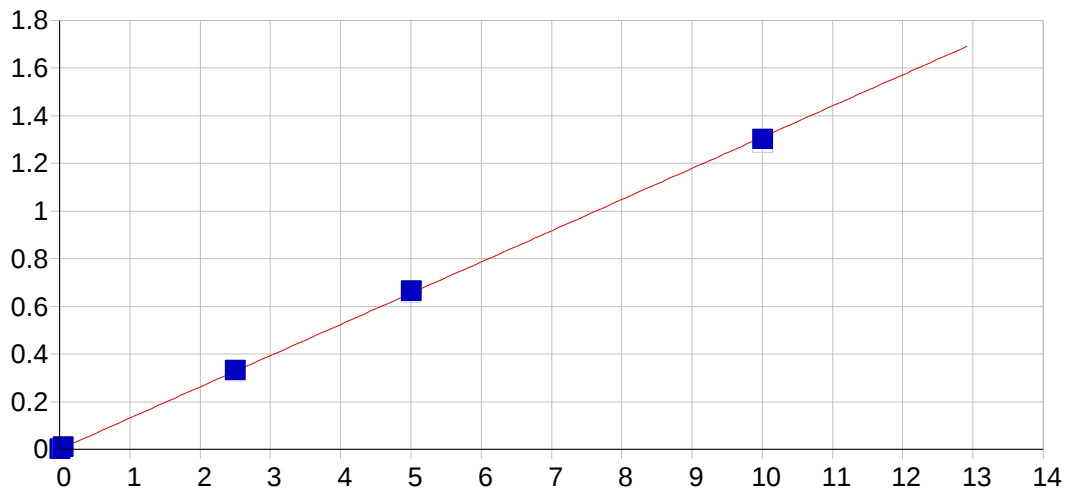
Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000188 Re-Slope: 1.000000  
 A1 (Gain): 0.062322 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999913  
 Std Error of Est: 0.000020  
 Predicted MDL: 0.003191  
 Predicted MQL: 0.010637

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00019 | .000    | 1        |
| S1        | .02000       | .02492      | .005       | 24.6    | .00137  | .000    | 1        |
| S3        | 2.5000       | 2.5204      | .020       | .817    | .15687  | .001    | 1        |
| S4        | 5.0000       | 5.0650      | .065       | 1.30    | .31544  | .001    | 1        |
| S5        | 10.000       | 9.9096      | -.090      | -.904   | .61732  | .001    | 1        |



Sb 206.833 {463}

Date of Fit: 1/16/2019 10:05:35

Type of Fit: Linear

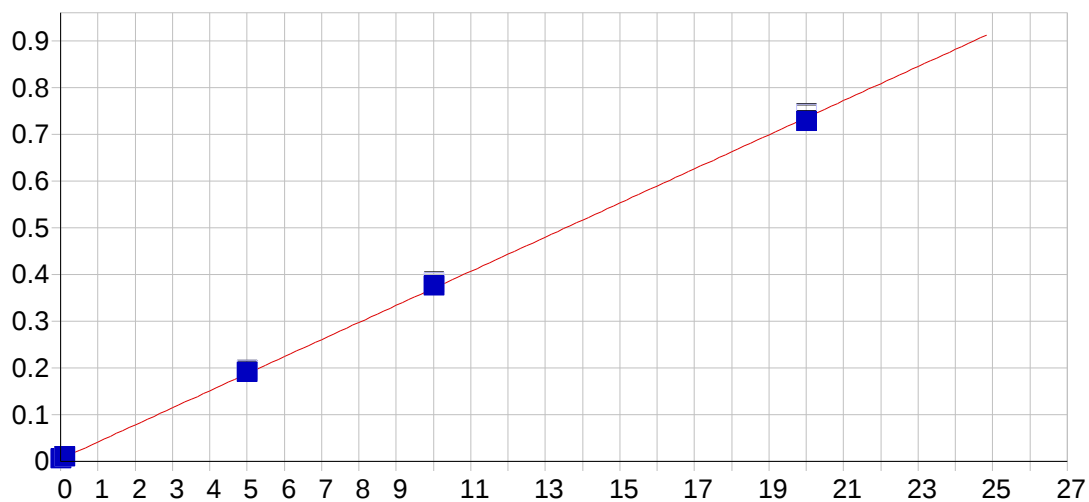
Weighting: 1/Conc

A0 (Offset): 0.000213  
 A1 (Gain): 0.130995  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999920  
 Std Error of Est: 0.000063  
 Predicted MDL: 0.001871  
 Predicted MQL: 0.006237

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    | .00021 | .000    | 1        |
| S1        | .05000       | .05803      | .008       | 16.1    | .00765 | .000    | 1        |
| S3        | 2.5000       | 2.5144      | .014       | .578    | .32591 | .001    | 1        |
| S4        | 5.0000       | 5.0592      | .059       | 1.18    | .65557 | .002    | 1        |
| S5        | 10.000       | 9.9185      | -.082      | -.815   | 1.2848 | .001    | 1        |

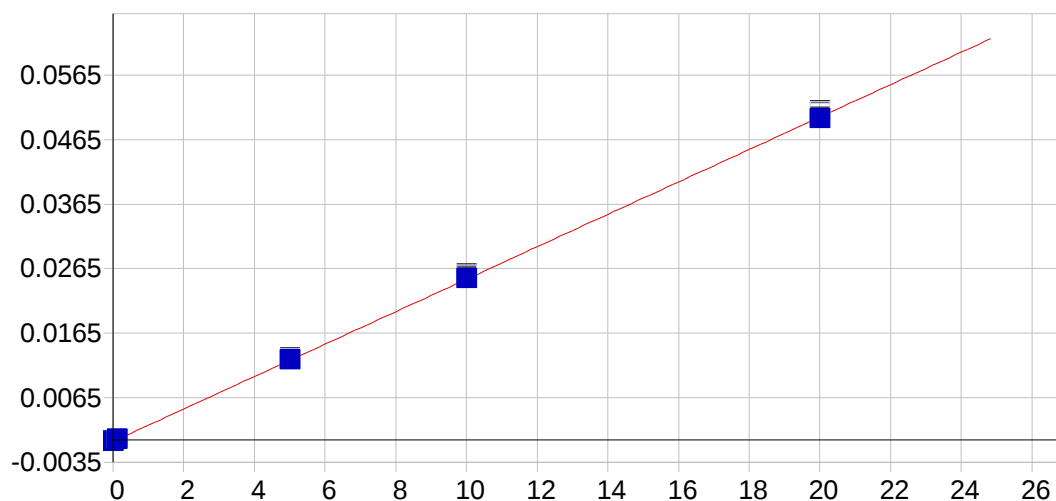


AI 308.215 {109}

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004961 Re-Slope: 1.000000  
 A1 (Gain): 0.036529 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999868 Status: OK.  
 Std Error of Est: 0.000046  
 Predicted MDL: 0.003057  
 Predicted MQL: 0.010189

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00496 | .000    | 1        |
| S1        | .10000       | .12152      | .022       | 21.5    | .00965 | .000    | 1        |
| S3        | 5.0000       | 5.0709      | .071       | 1.42    | .19383 | .001    | 1        |
| S4        | 10.000       | 10.127      | .127       | 1.27    | .38215 | .001    | 1        |
| S5        | 20.000       | 19.780      | -.220      | -1.10   | .74204 | .001    | 1        |



AI 309.271 {109}

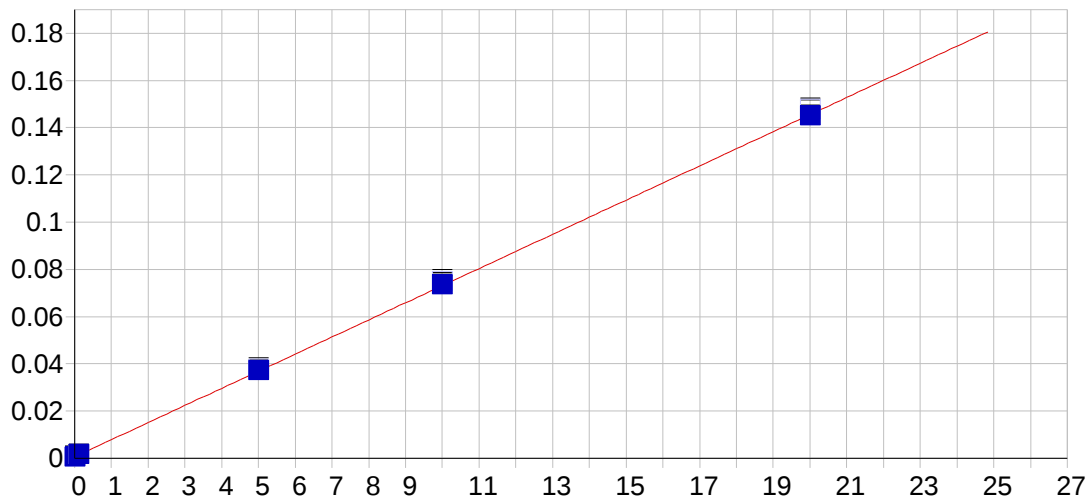
Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000262 Re-Slope: 1.000000  
 A1 (Gain): 0.002512 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999928  
 Std Error of Est: 0.000002  
 Predicted MDL: 0.027834  
 Predicted MQL: 0.092781

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | -.00026 | .000    | 1        |
| S1        | .10000       | .12136      | .021       | 21.4    | .00006  | .000    | 1        |
| S3        | 5.0000       | 5.0112      | .011       | .223    | .01258  | .000    | 1        |
| S4        | 10.000       | 10.052      | .052       | .523    | .02549  | .000    | 1        |
| S5        | 20.000       | 19.914      | -.086      | -.429   | .05077  | .000    | 1        |



AI 396.152 { 85}

Date of Fit: 1/16/2019 10:05:35

Type of Fit: Linear

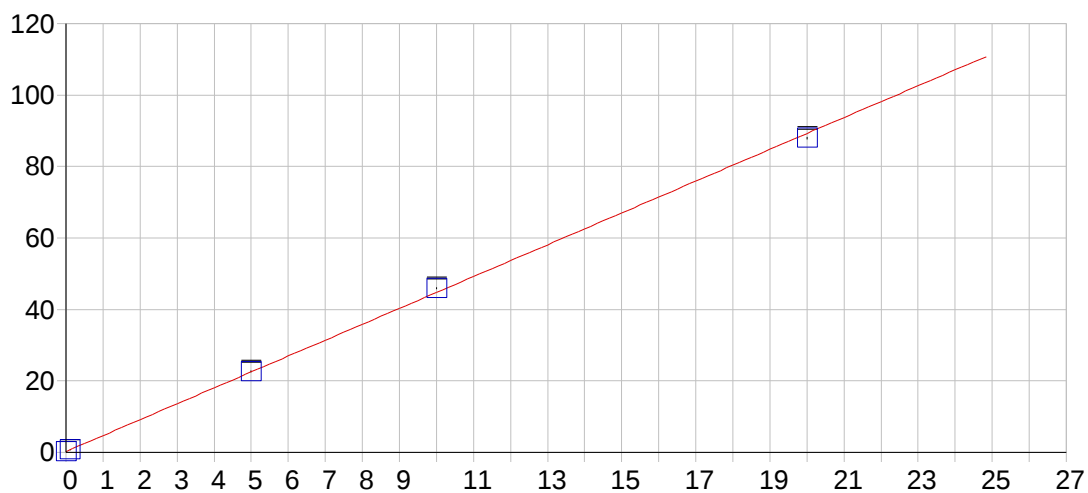
Weighting: 1/Conc

A0 (Offset): 0.000648  
 A1 (Gain): 0.007246  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999951  
 Std Error of Est: 0.000006  
 Predicted MDL: 0.014910  
 Predicted MQL: 0.049699

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    | .00065 | .000    | 1        |
| S1        | .10000       | .11654      | .017       | 16.5    | .00154 | .000    | 1        |
| S3        | 5.0000       | 5.0224      | .022       | .449    | .03776 | .000    | 1        |
| S4        | 10.000       | 10.053      | .053       | .532    | .07494 | .001    | 1        |
| S5        | 20.000       | 19.907      | -.093      | -.465   | .14779 | .000    | 1        |

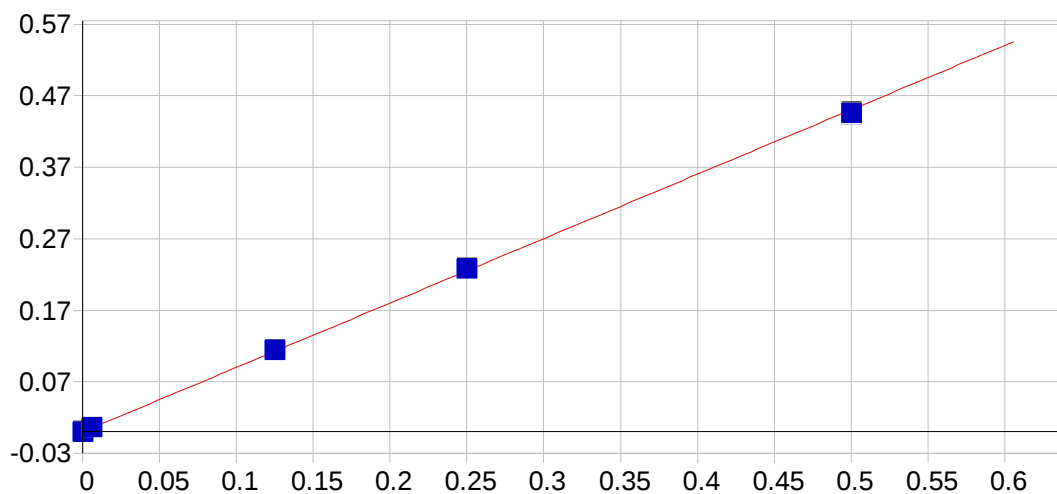


Ba 493.409 { 68}

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.254549 Re-Slope: 1.000000  
 A1 (Gain): 4.450303 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999811 Status: OK.  
 Std Error of Est: 0.006610  
 Predicted MDL: 0.000915  
 Predicted MQL: 0.003050

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .25448 | .006    | 1        |
| S1        | .10000       | .11492      | .015       | 14.9    | .76597 | .005    | 1        |
| S3        | 5.0000       | 5.0208      | .021       | .417    | 22.599 | .300    | 1        |
| S5        | 20.000       | 19.707      | -.293      | -1.47   | 87.955 | .361    | 1        |
| S4        | 10.000       | 10.258      | .258       | 2.58    | 45.904 | .305    | 1        |



Be 234.861 {144}

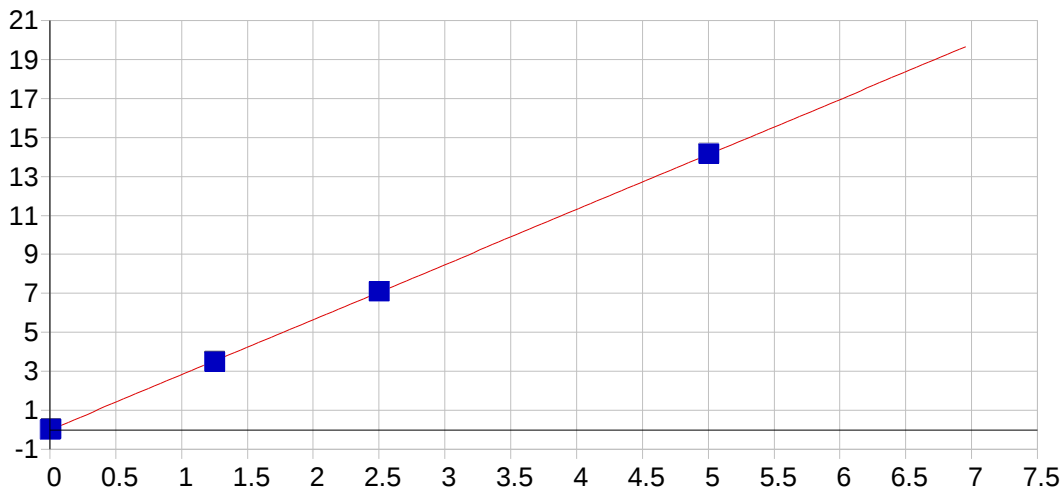
Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000063 Re-Slope: 1.000000  
 A1 (Gain): 0.900851 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999885  
 Std Error of Est: 0.000040  
 Predicted MDL: 0.000075  
 Predicted MQL: 0.000251

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00006 | .000    | 1        |
| S1        | .00600       | .00672      | .001       | 11.9    | .00593  | .000    | 1        |
| S3        | .12500       | .12632      | .001       | 1.06    | .11303  | .000    | 1        |
| S4        | .25000       | .25328      | .003       | 1.31    | .22669  | .001    | 1        |
| S5        | .50000       | .49468      | -.005      | -1.06   | .44274  | .001    | 1        |



Cd 226.502 {449}

Date of Fit: 1/16/2019 10:05:35

Type of Fit: Linear

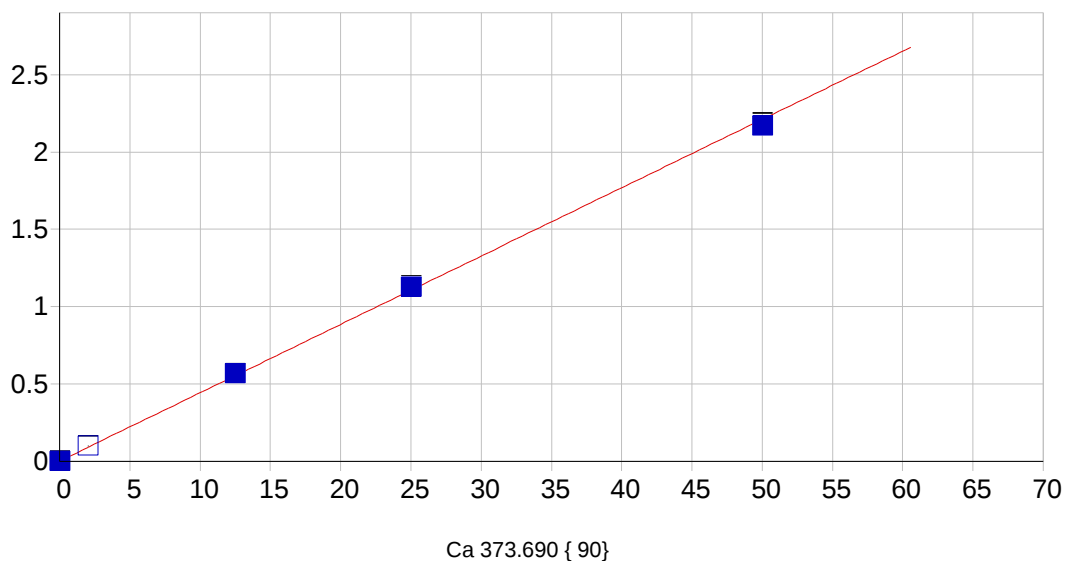
Weighting: 1/Conc

A0 (Offset): -0.002187  
 A1 (Gain): 2.825751  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999982  
 Std Error of Est: 0.000157  
 Predicted MDL: 0.000103  
 Predicted MQL: 0.000344

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

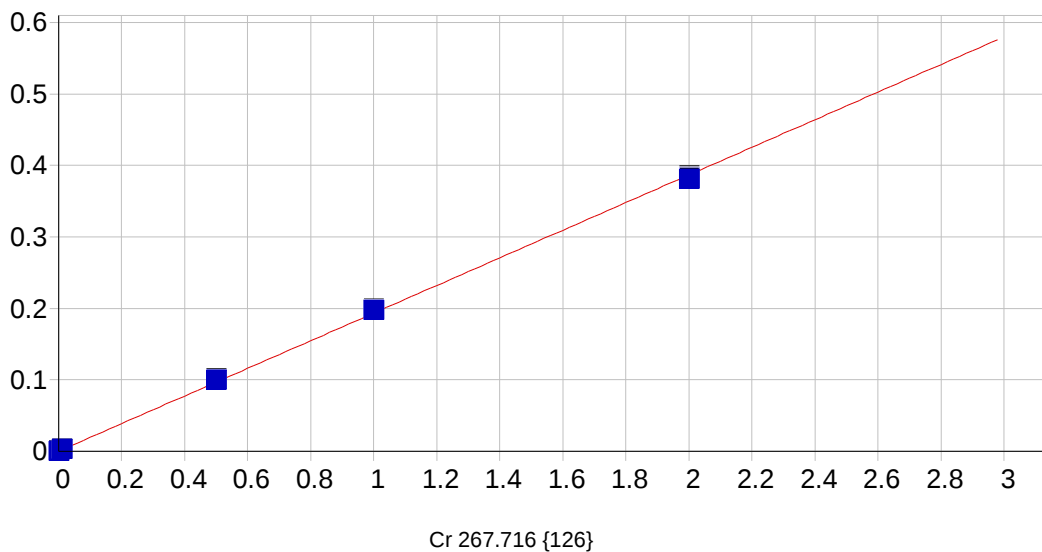
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00219 | .000    | 1        |
| S1        | .00600       | .00630      | .000       | 4.98    | .01564  | .000    | 1        |
| S3        | 1.2500       | 1.2323      | -.018      | -1.42   | 3.4807  | .012    | 1        |
| S4        | 2.5000       | 2.5082      | .008       | .330    | 7.0871  | .003    | 1        |
| S5        | 5.0000       | 5.0092      | .009       | .184    | 14.156  | .015    | 1        |



Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001851 Re-Slope: 1.000000  
 A1 (Gain): 0.044177 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999683 Status: OK.  
 Std Error of Est: 0.000608  
 Predicted MDL: 0.020340  
 Predicted MQL: 0.067801

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.2143      | .214       | 10.7    | .09967 | .001    | 1        |
| S0        | .00000       | -.00026     | -.000      | .000    | .00184 | .001    | 1        |
| S3        | 12.500       | 12.778      | .278       | 2.22    | .56662 | .002    | 1        |
| S4        | 25.000       | 25.475      | .475       | 1.90    | 1.1279 | .005    | 1        |
| S5        | 50.000       | 49.033      | -.967      | -1.93   | 2.1691 | .018    | 1        |



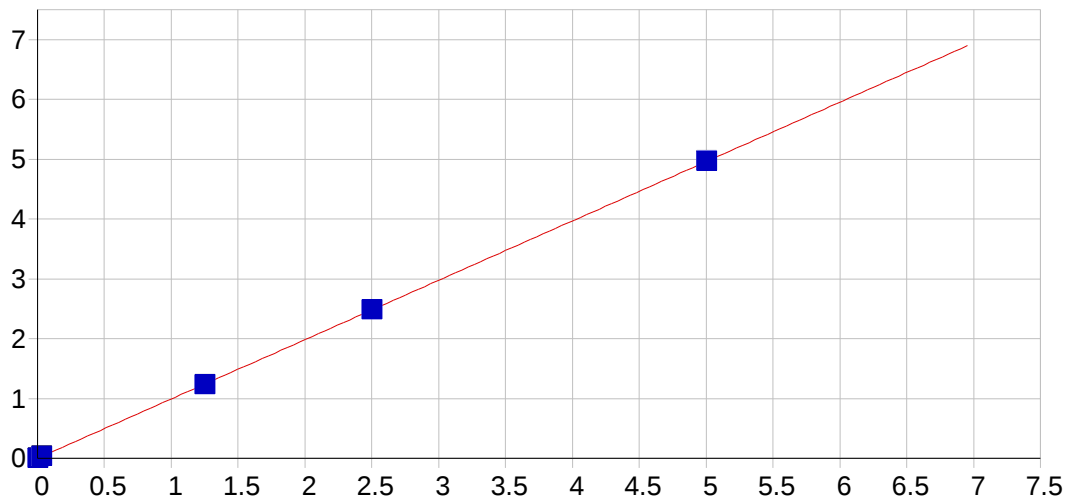
Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000129 Re-Slope: 1.000000  
 A1 (Gain): 0.193324 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999795  
 Std Error of Est: 0.000030  
 Predicted MDL: 0.000480  
 Predicted MQL: 0.001601

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00013 | .000    | 1        |
| S1        | .01000       | .01139      | .001       | 13.9    | .00234 | .000    | 1        |
| S3        | .50000       | .51512      | .015       | 3.02    | .10044 | .001    | 1        |
| S4        | 1.0000       | 1.0164      | .016       | 1.64    | .19807 | .001    | 1        |
| S5        | 2.0000       | 1.9671      | -.033      | -1.65   | .38330 | .002    | 1        |



Co 228.616 {447}

Date of Fit: 1/16/2019 10:05:35

Type of Fit: Linear

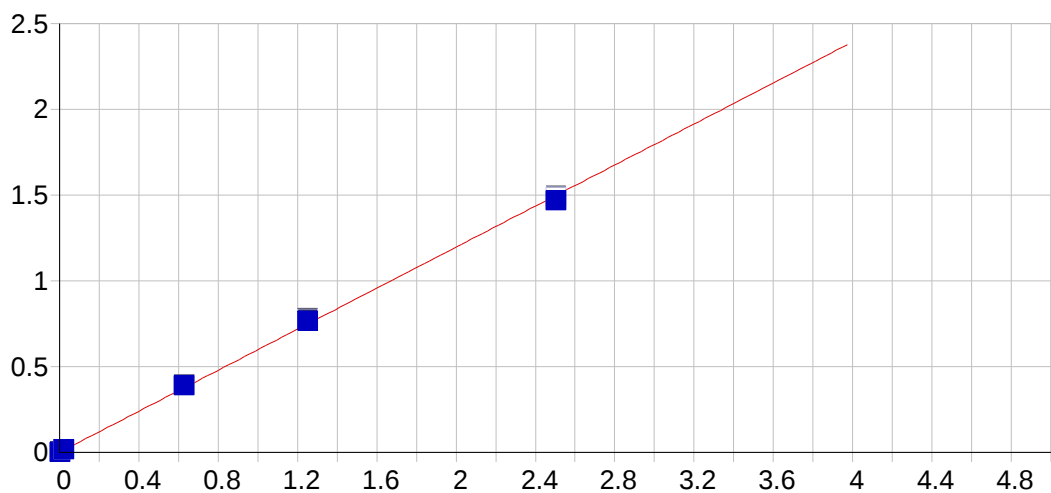
Weighting: 1/Conc

A0 (Offset): 0.000555  
 A1 (Gain): 0.992020  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999943  
 Std Error of Est: 0.000222  
 Predicted MDL: 0.000266  
 Predicted MQL: 0.000885

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    | .00055 | .000    | 1        |
| S1        | .03000       | .03494      | .005       | 16.5    | .03502 | .000    | 1        |
| S3        | 1.2500       | 1.2353      | -.015      | -1.18   | 1.2270 | .006    | 1        |
| S4        | 2.5000       | 2.5029      | .003       | .115    | 2.4854 | .002    | 1        |
| S5        | 5.0000       | 5.0069      | .007       | .139    | 4.9714 | .006    | 1        |

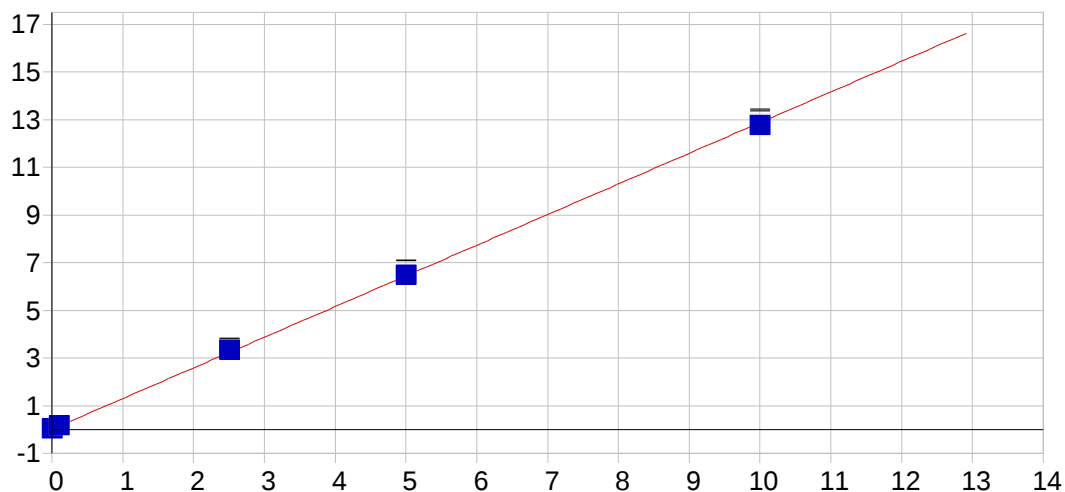


Cu 224.700 {450}

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000585 Re-Slope: 1.000000  
 A1 (Gain): 0.598139 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999668 Status: OK.  
 Std Error of Est: 0.000189  
 Predicted MDL: 0.000554  
 Predicted MQL: 0.001848

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00058 | .000    | 1        |
| S1        | .02000       | .02392      | .004       | 19.6    | .01507 | .000    | 1        |
| S3        | .62500       | .64505      | .020       | 3.21    | .39246 | .001    | 1        |
| S4        | 1.2500       | 1.2768      | .027       | 2.14    | .77635 | .002    | 1        |
| S5        | 2.5000       | 2.4493      | -.051      | -2.03   | 1.4898 | .002    | 1        |



Fe 240.488 {140}

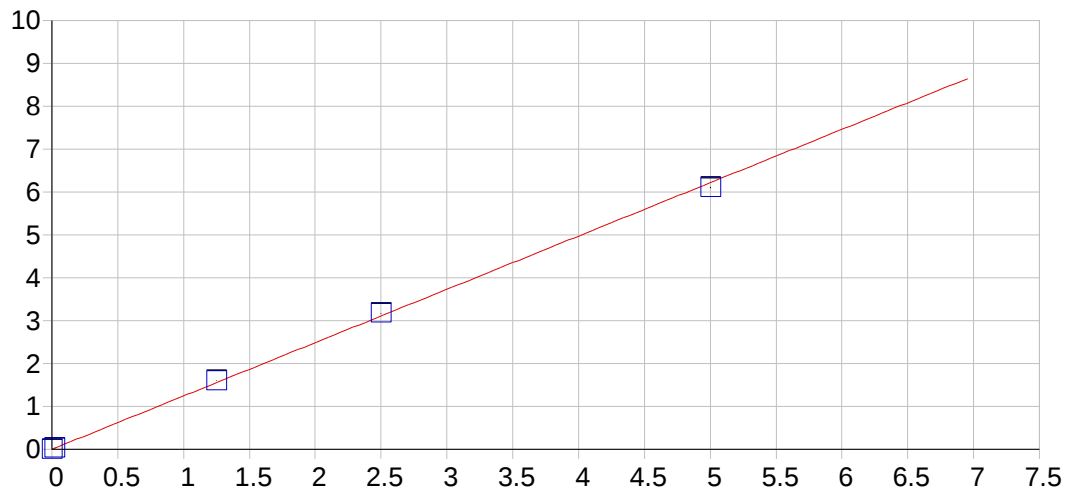
Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.009985 Re-Slope: 1.000000  
 A1 (Gain): 1.286474 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999866  
 Std Error of Est: 0.001147  
 Predicted MDL: 0.007917  
 Predicted MQL: 0.026390

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00997 | .010    | 1        |
| S1        | .10000       | .11156      | .012       | 11.6    | .15413 | .010    | 1        |
| S3        | 2.5000       | 2.5735      | .074       | 2.94    | 3.3369 | .059    | 1        |
| S4        | 5.0000       | 5.0229      | .023       | .458    | 6.5042 | .178    | 1        |
| S5        | 10.000       | 9.8920      | -.108      | -1.08   | 12.800 | .204    | 1        |



Mn 257.610 {131}

Date of Fit: 1/16/2019 10:05:35

Type of Fit: Linear

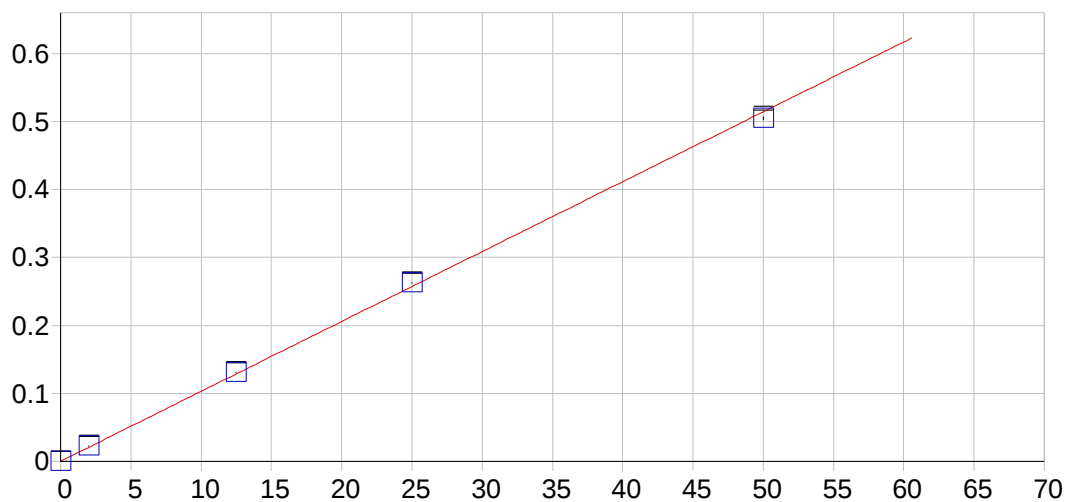
Weighting: 1/Conc

A0 (Offset): 0.000433  
 A1 (Gain): 1.243353  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999721  
 Std Error of Est: 0.000502  
 Predicted MDL: 0.000068  
 Predicted MQL: 0.000227

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    | .00043 | .000    | 1        |
| S1        | .02000       | .02425      | .004       | 21.2    | .03058 | .000    | 1        |
| S3        | 1.2500       | 1.2879      | .038       | 3.03    | 1.6017 | .004    | 1        |
| S4        | 2.5000       | 2.5518      | .052       | 2.07    | 3.1732 | .006    | 1        |
| S5        | 5.0000       | 4.9061      | -.094      | -1.88   | 6.1004 | .013    | 1        |

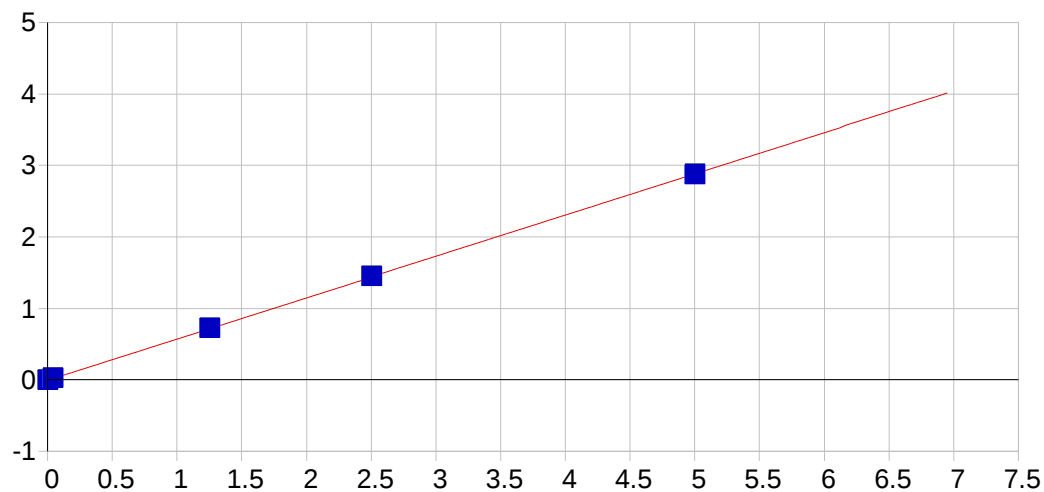


Mg 279.079 {121}

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000248 Re-Slope: 1.000000  
 A1 (Gain): 0.010280 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999728 Status: OK.  
 Std Error of Est: 0.000131  
 Predicted MDL: 0.042738  
 Predicted MQL: 0.142462

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1787      | .179       | 8.93    | .02265 | .001    | 1        |
| S0        | .00000       | -.00022     | -.000      | .000    | .00025 | .000    | 1        |
| S3        | 12.500       | 12.733      | .233       | 1.86    | .13115 | .001    | 1        |
| S4        | 25.000       | 25.523      | .523       | 2.09    | .26263 | .001    | 1        |
| S5        | 50.000       | 49.065      | -.935      | -1.87   | .50466 | .003    | 1        |



Ni 231.604 {445}

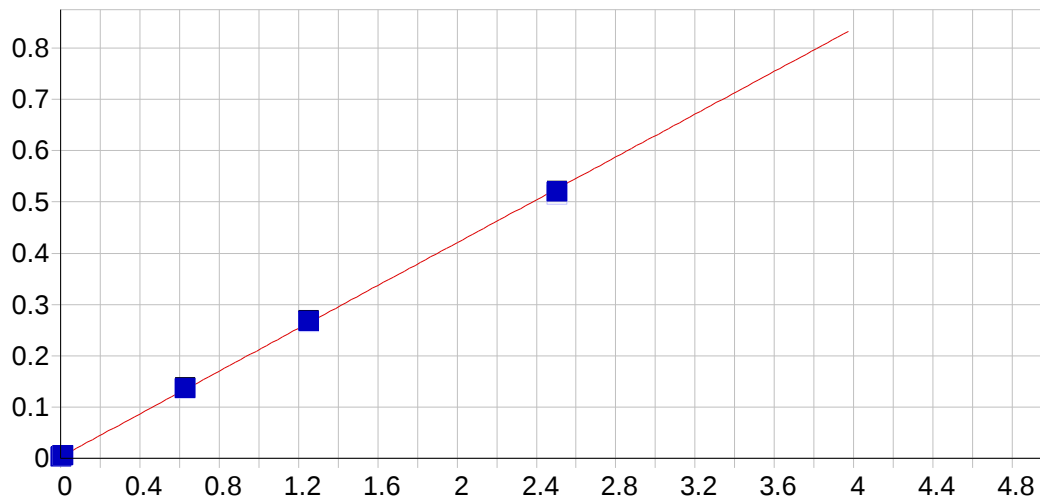
Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.007555 Re-Slope: 1.000000  
 A1 (Gain): 0.578132 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999930  
 Std Error of Est: 0.000165  
 Predicted MDL: 0.000491  
 Predicted MQL: 0.001638

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00756 | .000    | 1        |
| S1        | .04000       | .04668      | .007       | 16.7    | .01945  | .000    | 1        |
| S3        | 1.2500       | 1.2497      | -.000      | -.025   | .71572  | .002    | 1        |
| S4        | 2.5000       | 2.5111      | .011       | .444    | 1.4458  | .000    | 1        |
| S5        | 5.0000       | 4.9825      | -.017      | -.349   | 2.8762  | .001    | 1        |



Ag 328.068 {103}

Date of Fit: 1/16/2019 10:05:35

Type of Fit: Linear

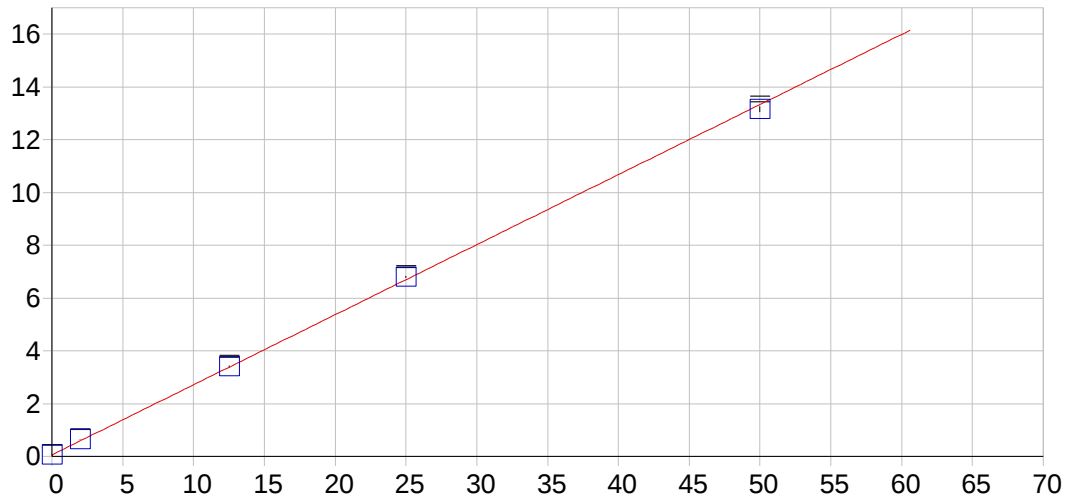
Weighting: 1/Conc

A0 (Offset): 0.002998  
 A1 (Gain): 0.208800  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999876  
 Std Error of Est: 0.000028  
 Predicted MDL: 0.000650  
 Predicted MQL: 0.002165

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    | .00300 | .000    | 1        |
| S1        | .01000       | .01143      | .001       | 14.3    | .00534 | .000    | 1        |
| S3        | .62500       | .63878      | .014       | 2.20    | .13489 | .001    | 1        |
| S4        | 1.2500       | 1.2652      | .015       | 1.22    | .26422 | .001    | 1        |
| S5        | 2.5000       | 2.4696      | -.030      | -1.22   | .51272 | .002    | 1        |

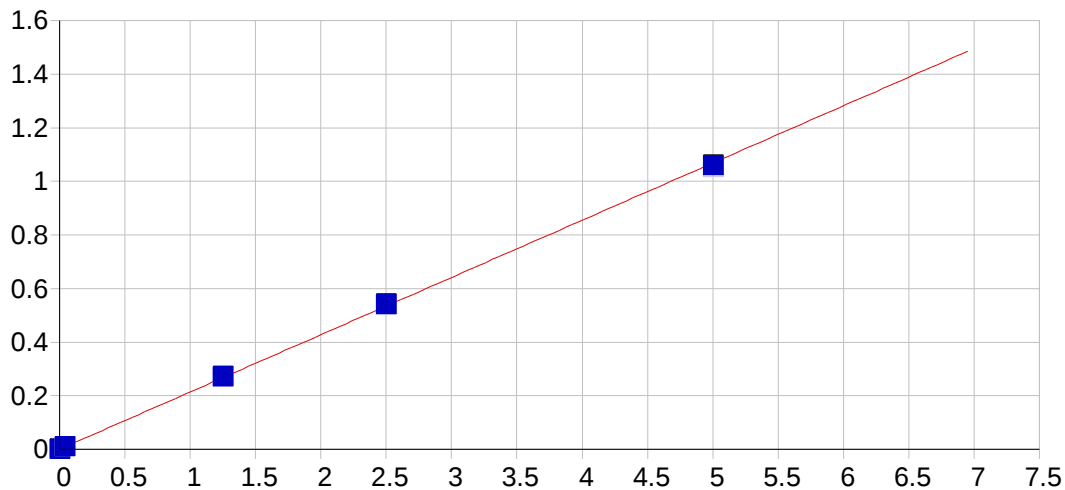


Na 589.592 { 57}

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.057731 Re-Slope: 1.000000  
 A1 (Gain): 0.265551 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999800 Status: OK.  
 Std Error of Est: 0.002900  
 Predicted MDL: 0.011682  
 Predicted MQL: 0.038941

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1994      | .199       | 9.97    | .64177 | .002    | 1        |
| S0        | .00000       | -.00022     | -.000      | .000    | .05767 | .001    | 1        |
| S3        | 12.500       | 12.582      | .082       | .658    | 3.3990 | .038    | 1        |
| S4        | 25.000       | 25.395      | .395       | 1.58    | 6.8014 | .035    | 1        |
| S5        | 50.000       | 49.323      | -.677      | -1.35   | 13.156 | .102    | 1        |



V 292.402 {115}

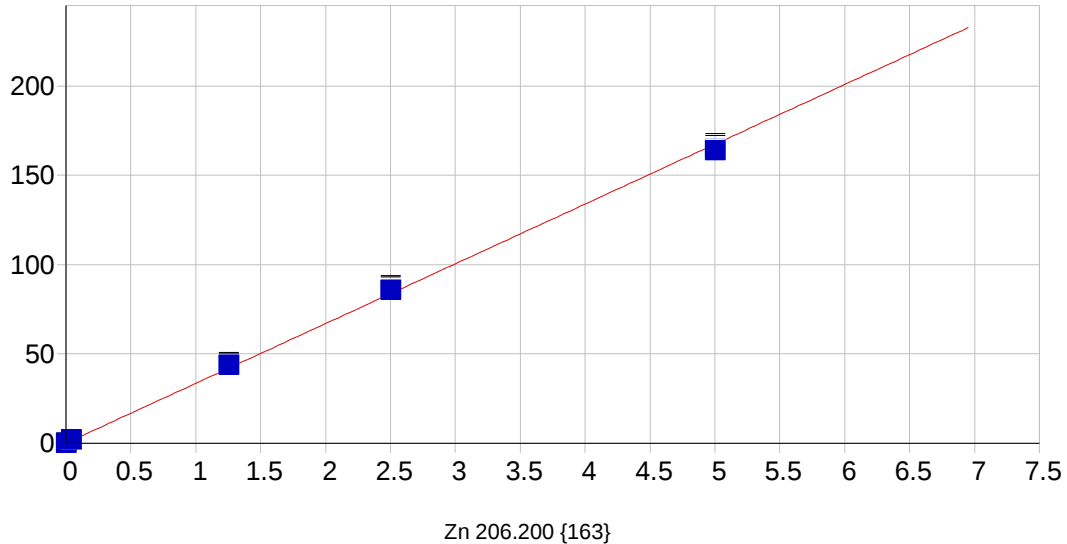
Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000384 Re-Slope: 1.000000  
 A1 (Gain): 0.213590 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999853  
 Std Error of Est: 0.000088  
 Predicted MDL: 0.000521  
 Predicted MQL: 0.001738

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00038 | .000    | 1        |
| S1        | .04000       | .04755      | .008       | 18.9    | .01041 | .000    | 1        |
| S3        | 1.2500       | 1.2663      | .016       | 1.30    | .26911 | .000    | 1        |
| S4        | 2.5000       | 2.5294      | .029       | 1.18    | .53716 | .000    | 1        |
| S5        | 5.0000       | 4.9468      | -.053      | -1.06   | 1.0500 | .003    | 1        |



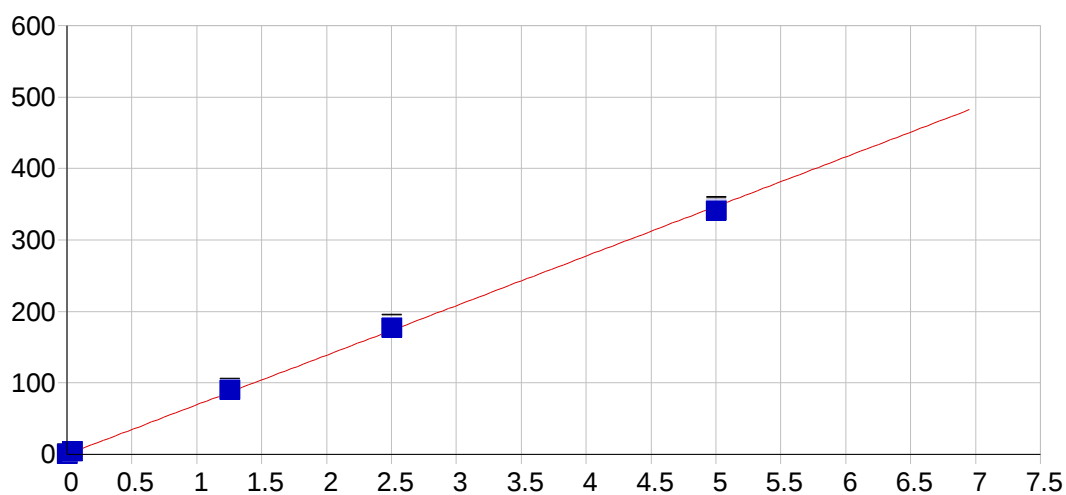
Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.099730  
 A1 (Gain): 33.454825  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999579  
 Std Error of Est: 0.023646  
 Predicted MDL: 0.000389  
 Predicted MQL: 0.001297

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    | .09939 | .004    | 1        |
| S1        | .04000       | .04854      | .009       | 21.4    | 1.7326 | .026    | 1        |
| S3        | 1.2500       | 1.3011      | .051       | 4.09    | 43.882 | 1.11    | 1        |
| S4        | 2.5000       | 2.5521      | .052       | 2.08    | 85.984 | 2.04    | 1        |
| S5        | 5.0000       | 4.8883      | -.112      | -2.23   | 164.65 | 2.99    | 1        |

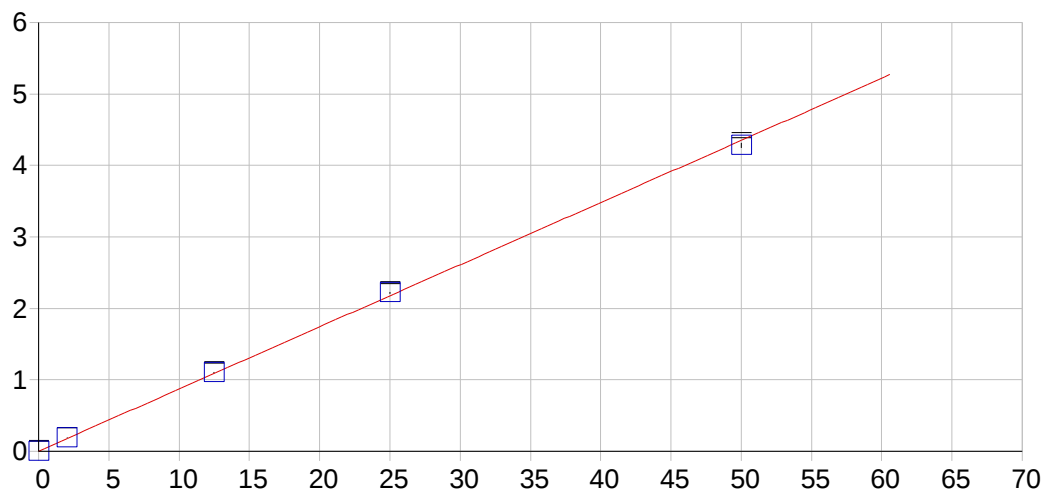


Zn 213.856 {458}

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.078866 Re-Slope: 1.000000  
 A1 (Gain): 69.354716 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999690 Status: OK.  
 Std Error of Est: 0.042065  
 Predicted MDL: 0.000099  
 Predicted MQL: 0.000329

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .07820 | .009    | 1        |
| S1        | .04000       | .04831      | .008       | 20.8    | 3.4474 | .052    | 1        |
| S3        | 1.2500       | 1.2906      | .041       | 3.25    | 90.112 | 2.15    | 1        |
| S4        | 2.5000       | 2.5437      | .044       | 1.75    | 177.54 | 4.41    | 1        |
| S5        | 5.0000       | 4.9074      | -.093      | -1.85   | 342.53 | 4.24    | 1        |



K 766.490 {44}

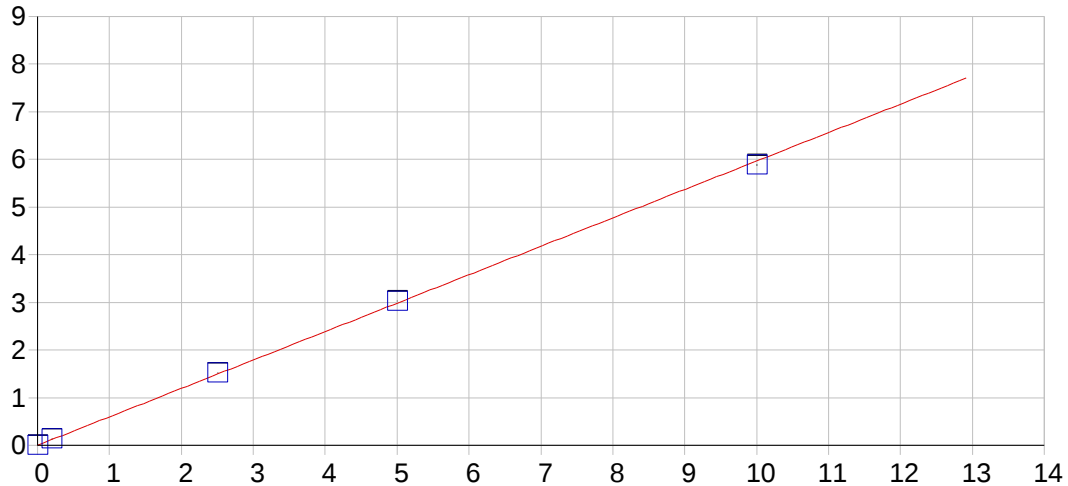
Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003390 Re-Slope: 1.000000  
 A1 (Gain): 0.086927 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999813  
 Std Error of Est: 0.000918  
 Predicted MDL: 0.042193  
 Predicted MQL: 0.140643

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1474      | .147       | 7.37    | .19005 | .002    | 1        |
| S0        | .00000       | -.00018     | -.000      | .000    | .00337 | .002    | 1        |
| S3        | 12.500       | 12.636      | .136       | 1.09    | 1.1018 | .012    | 1        |
| S4        | 25.000       | 25.484      | .484       | 1.94    | 2.2187 | .012    | 1        |
| S5        | 50.000       | 49.233      | -.767      | -1.53   | 4.2830 | .034    | 1        |



Mo 202.030 {467}

Date of Fit: 1/16/2019 10:05:35

Type of Fit: Linear

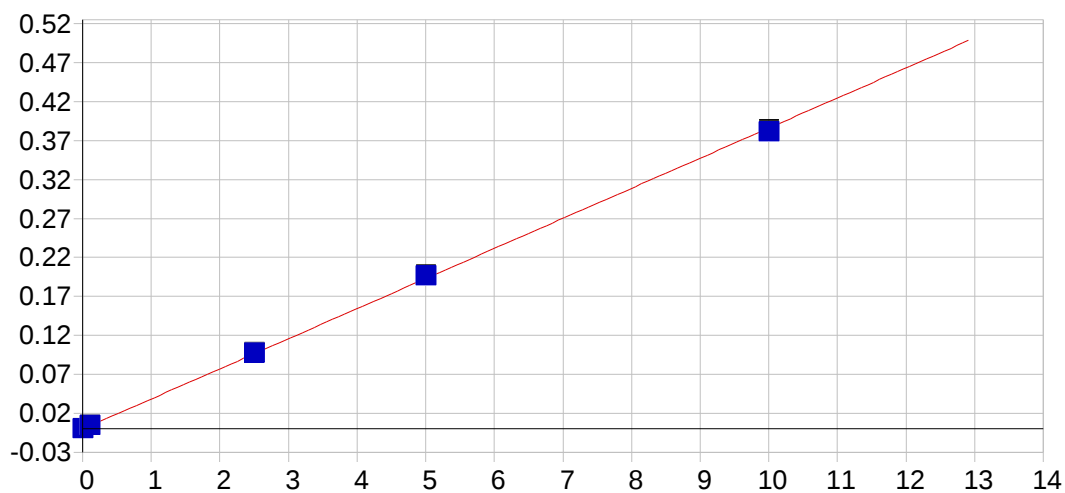
Weighting: 1/Conc

A0 (Offset): 0.000284  
 A1 (Gain): 0.596642  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999810  
 Std Error of Est: 0.000893  
 Predicted MDL: 0.000329  
 Predicted MQL: 0.001095

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    | .00027 | .000    | 1        |
| S1        | .20000       | .22447      | .024       | 12.2    | .13421 | .000    | 1        |
| S3        | 2.5000       | 2.5435      | .043       | 1.74    | 1.5178 | .001    | 1        |
| S4        | 5.0000       | 5.0716      | .072       | 1.43    | 3.0262 | .005    | 1        |
| S5        | 10.000       | 9.8604      | -.140      | -1.40   | 5.8834 | .008    | 1        |

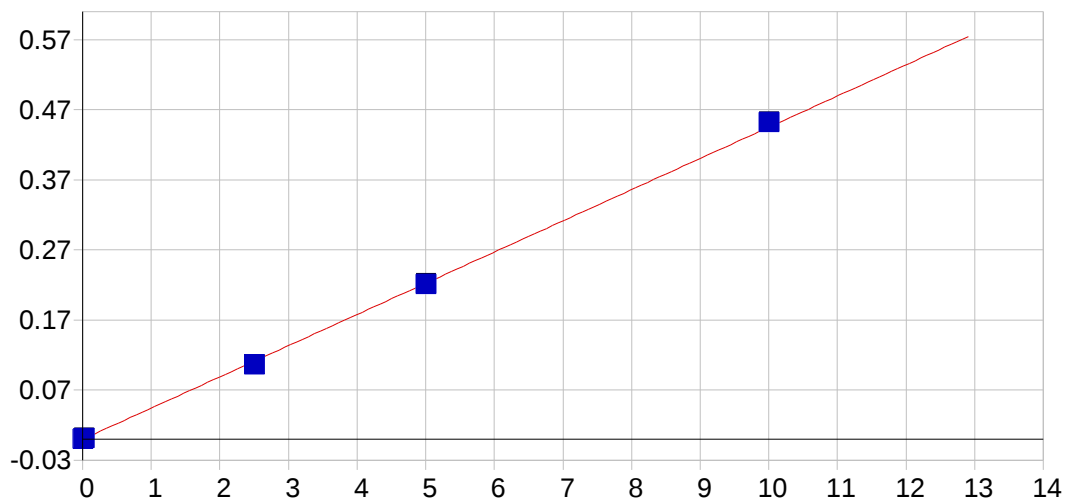


B 249.678 {135}

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000026 Re-Slope: 1.000000  
 A1 (Gain): 0.038604 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999850 Status: OK.  
 Std Error of Est: 0.000036  
 Predicted MDL: 0.009679  
 Predicted MQL: 0.032264

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | -.00003 | .001    | 1        |
| S1        | .10000       | .11457      | .015       | 14.6    | .00438  | .000    | 1        |
| S3        | 2.5000       | 2.5163      | .016       | .652    | .09689  | .001    | 1        |
| S4        | 5.0000       | 5.0889      | .089       | 1.78    | .19597  | .001    | 1        |
| S5        | 10.000       | 9.8803      | -.120      | -1.20   | .38049  | .002    | 1        |



S 182.034 {485}

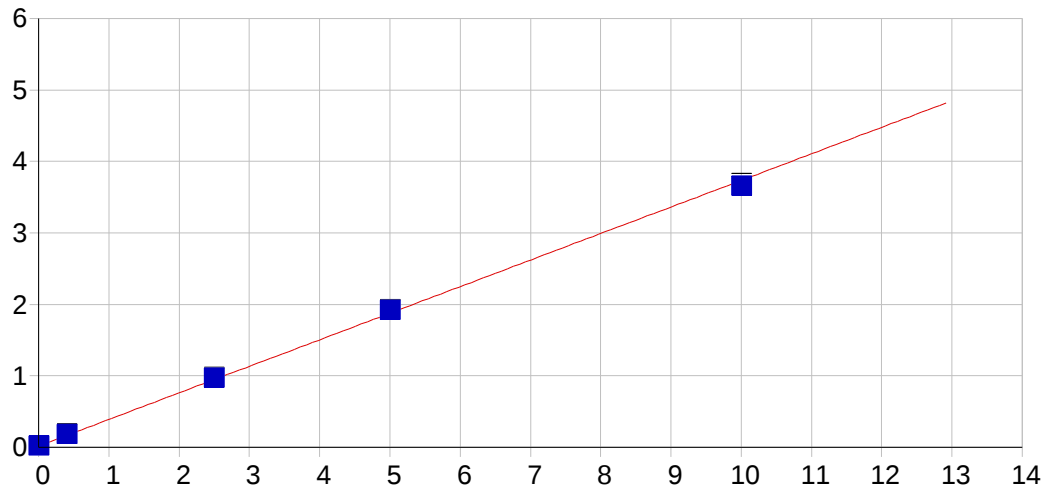
Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000014 Re-Slope: 1.000000  
 A1 (Gain): 0.044515 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999775  
 Std Error of Est: 0.000023  
 Predicted MDL: 0.003159  
 Predicted MQL: 0.010531

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00001 | .000    | 1        |
| S1        | .02000       | .02207      | .002       | 10.3    | .00094  | .000    | 1        |
| S3        | 2.5000       | 2.3877      | -.112      | -4.49   | .10615  | .000    | 1        |
| S4        | 5.0000       | 4.9594      | -.041      | -.812   | .22050  | .001    | 1        |
| S5        | 10.000       | 10.151      | .151       | 1.51    | .45136  | .000    | 1        |



Si 288.158 {117}

Date of Fit: 1/16/2019 10:05:35

Type of Fit: Linear

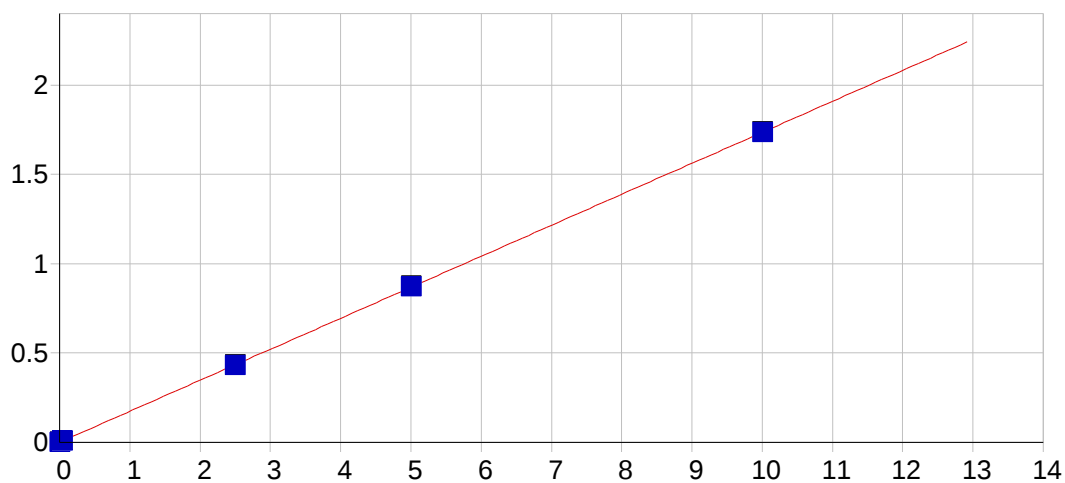
Weighting: 1/Conc

A0 (Offset): 0.018250  
 A1 (Gain): 0.371623  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999626  
 Std Error of Est: 0.001109  
 Predicted MDL: 0.002850  
 Predicted MQL: 0.009500

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       | -.00005     | -.000      | .000    | .01823 | .001    | 1        |
| S1        | .40000       | .44168      | .042       | 10.4    | .18226 | .001    | 1        |
| S3        | 2.5000       | 2.5594      | .059       | 2.38    | .96889 | .009    | 1        |
| S4        | 5.0000       | 5.1182      | .118       | 2.36    | 1.9193 | .008    | 1        |
| S5        | 10.000       | 9.7807      | -.219      | -2.19   | 3.6510 | .035    | 1        |

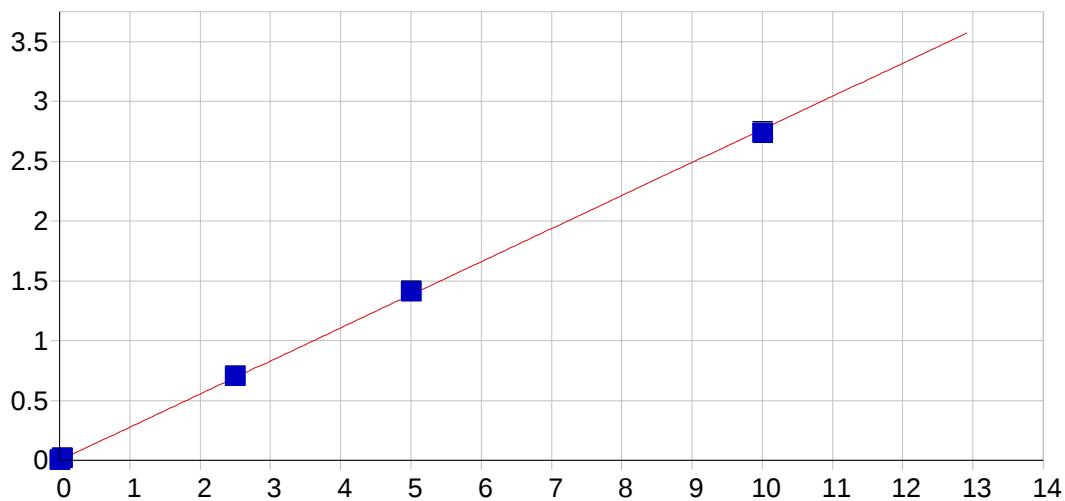


Sn 189.989 {477}

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000732 Re-Slope: 1.000000  
 A1 (Gain): 0.173476 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999964 Status: OK.  
 Std Error of Est: 0.000051  
 Predicted MDL: 0.000737  
 Predicted MQL: 0.002458

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00073 | .000    | 1        |
| S1        | .04000       | .04631      | .006       | 15.8    | .00877 | .000    | 1        |
| S3        | 2.5000       | 2.4770      | -.023      | -.918   | .43051 | .001    | 1        |
| S4        | 5.0000       | 5.0187      | .019       | .373    | .87150 | .001    | 1        |
| S5        | 10.000       | 9.9980      | -.002      | -.020   | 1.7354 | .001    | 1        |



Ti 336.121 {100}

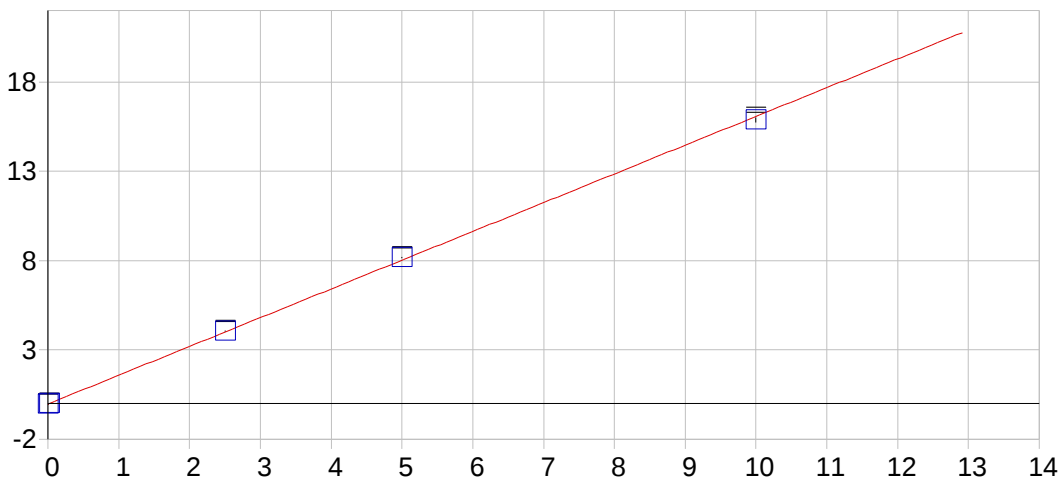
Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000868 Re-Slope: 1.000000  
 A1 (Gain): 0.276524 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999874  
 Std Error of Est: 0.000150  
 Predicted MDL: 0.002407  
 Predicted MQL: 0.008024

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00087 | .001    | 1        |
| S1        | .04000       | .04680      | .007       | 17.0    | .01380 | .000    | 1        |
| S3        | 2.5000       | 2.5368      | .037       | 1.47    | .70227 | .001    | 1        |
| S4        | 5.0000       | 5.0782      | .078       | 1.56    | 1.4049 | .005    | 1        |
| S5        | 10.000       | 9.8782      | -.122      | -1.22   | 2.7321 | .012    | 1        |



Li 670.784 { 50}

Date of Fit: 1/16/2019 10:05:35

Type of Fit: Linear

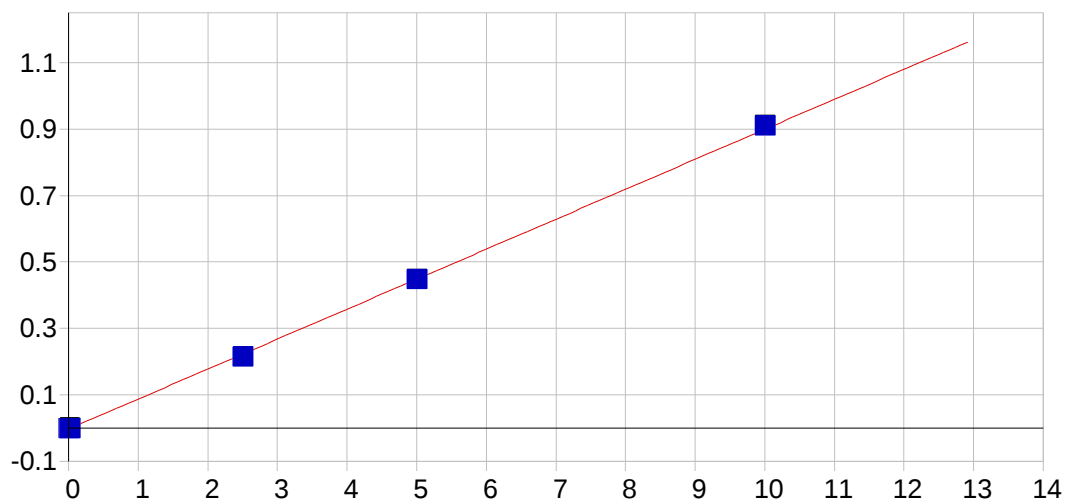
Weighting: 1/Conc

A0 (Offset): -0.021257  
 A1 (Gain): 1.609428  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999892  
 Std Error of Est: 0.000571  
 Predicted MDL: 0.002031  
 Predicted MQL: 0.006771

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    | -.02126 | .003    | 1        |
| S1        | .02000       | .02306      | .003       | 15.3    | .01585  | .002    | 1        |
| S3        | 2.5000       | 2.5269      | .027       | 1.07    | 4.0455  | .031    | 1        |
| S4        | 5.0000       | 5.0894      | .089       | 1.79    | 8.1698  | .046    | 1        |
| S5        | 10.000       | 9.8807      | -.119      | -1.19   | 15.881  | .142    | 1        |

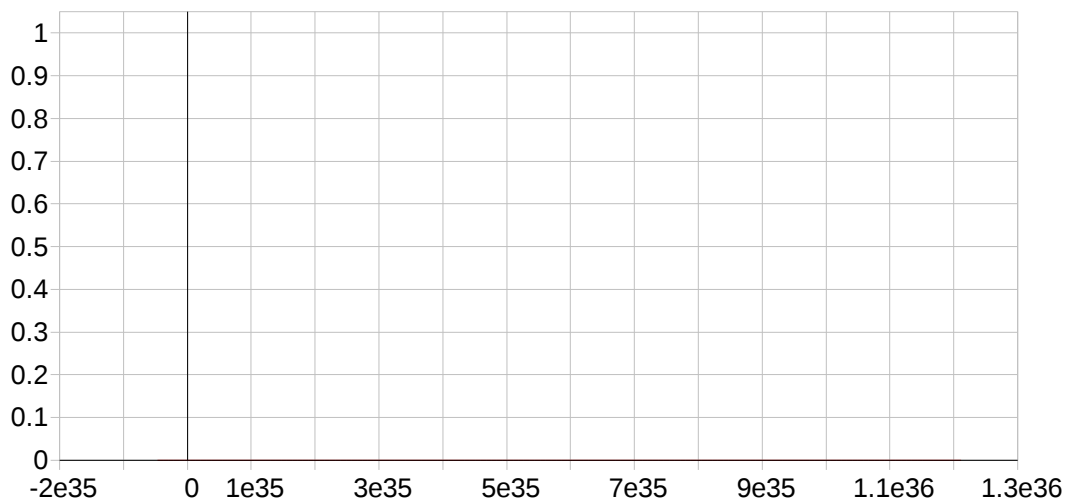


P 177.495 {490}

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002701 Re-Slope: 1.000000  
 A1 (Gain): 0.090197 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999849 Status: OK.  
 Std Error of Est: 0.000038  
 Predicted MDL: 0.001561  
 Predicted MQL: 0.005204

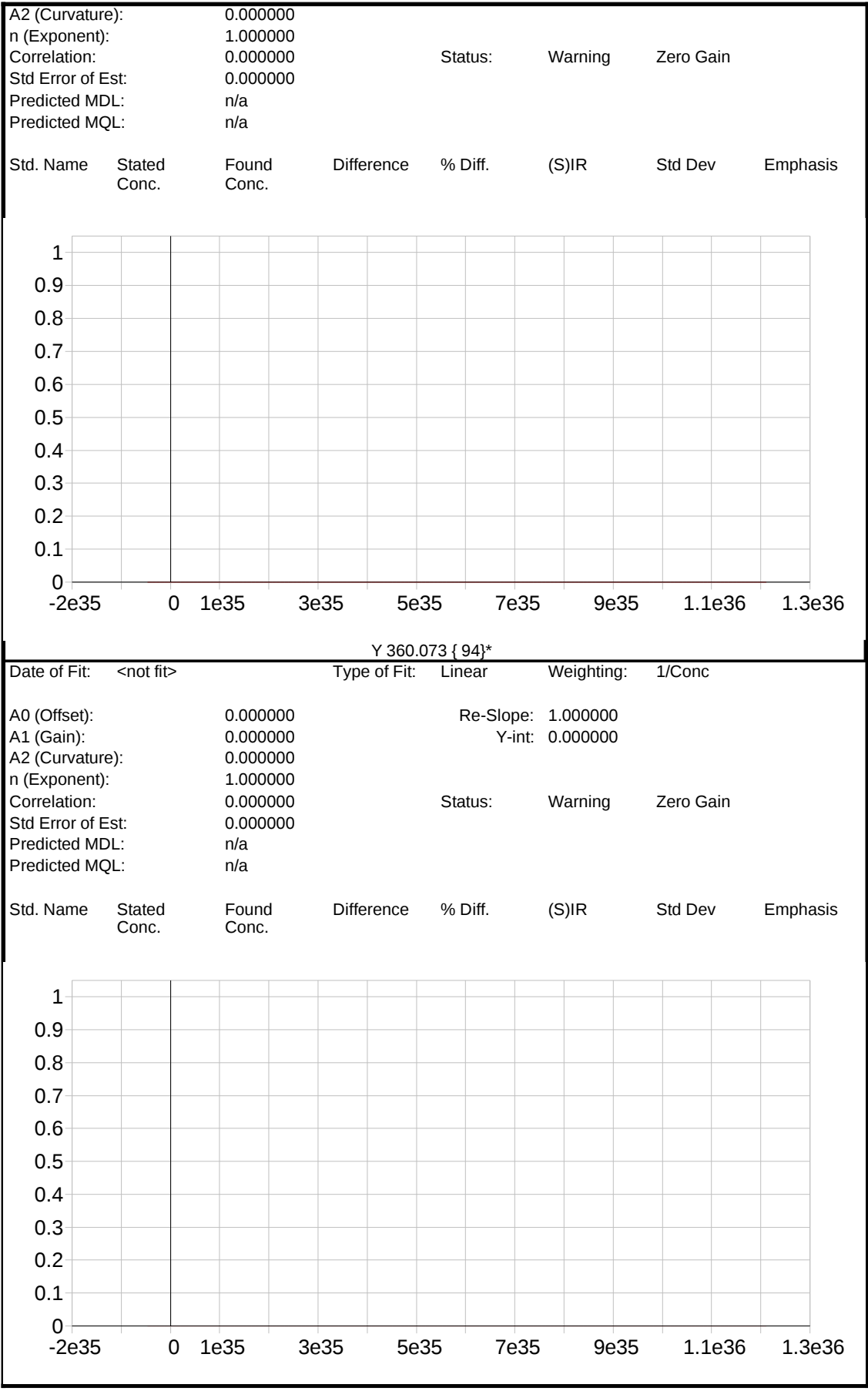
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00270 | .000    | 1        |
| S1        | .02000       | .02077      | .001       | 3.84    | -.00083 | .000    | 1        |
| S3        | 2.5000       | 2.4019      | -.098      | -3.92   | .21362  | .001    | 1        |
| S4        | 5.0000       | 4.9822      | -.018      | -.355   | .44603  | .000    | 1        |
| S5        | 10.000       | 10.115      | .115       | 1.15    | .90834  | .002    | 1        |

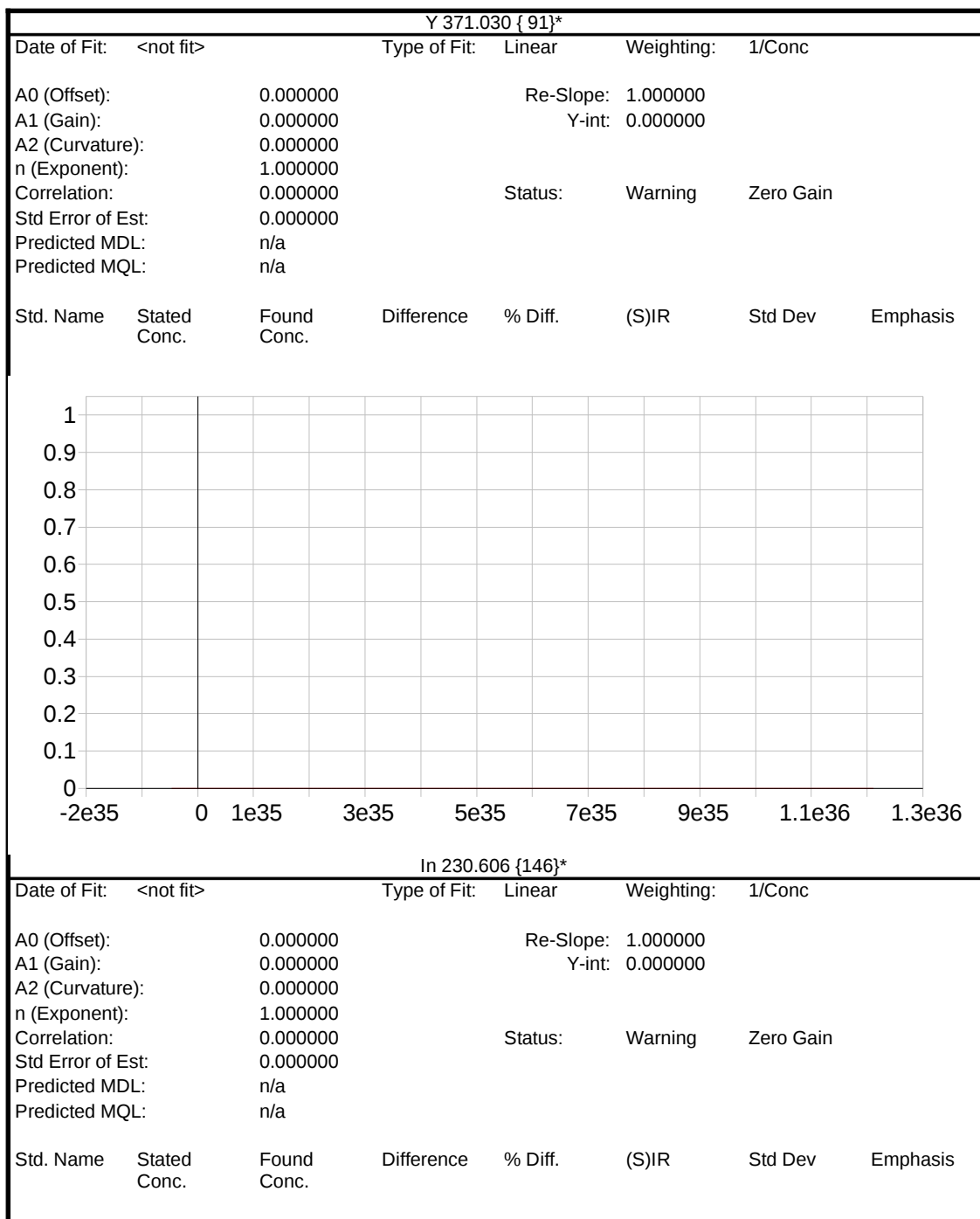


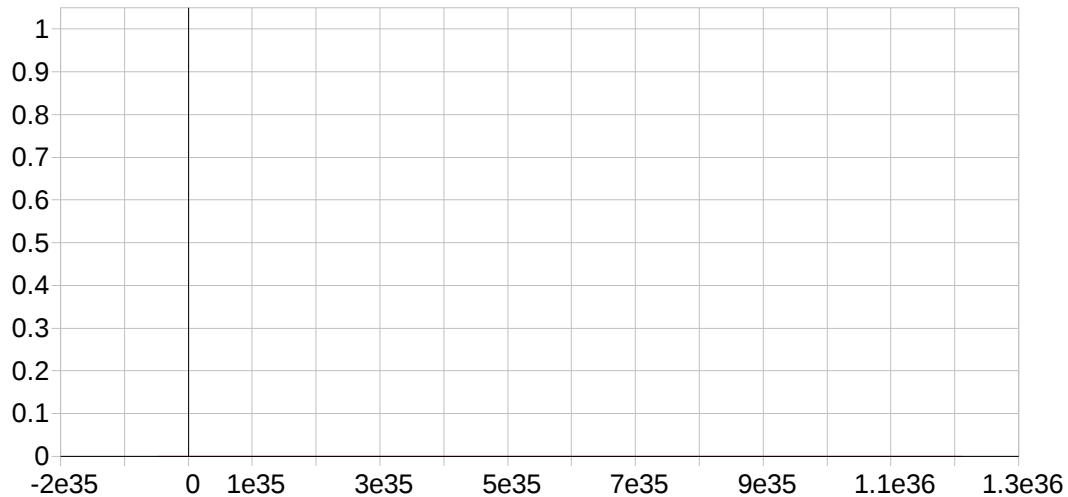
Y 224.306 {450}\*

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

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







In 230.606 {446}\*

Date of Fit: <not fit>

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

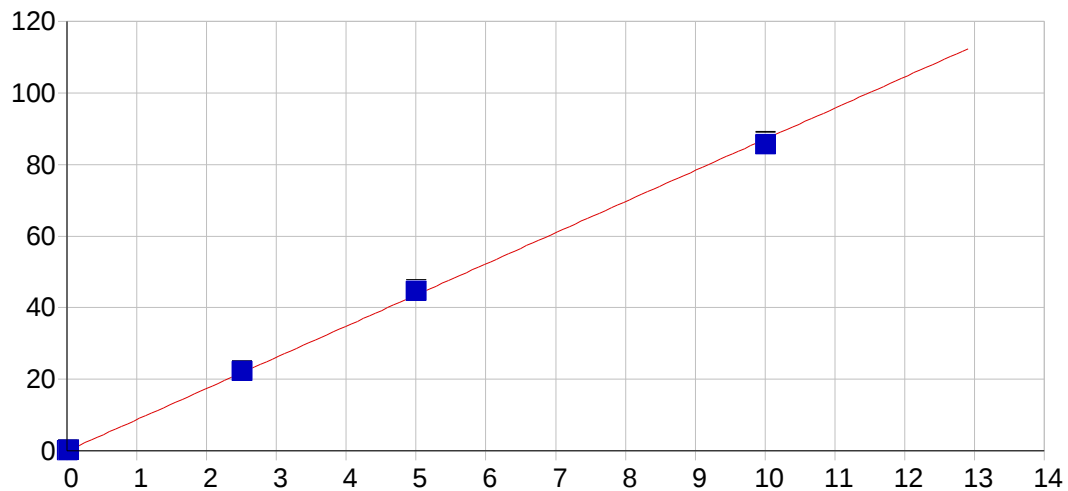
Status: Warning Zero Gain

Std Error of Est: 0.000000

Predicted MDL: n/a

Predicted MQL: n/a

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



Sr 407.771 { 83}

Date of Fit: 1/16/2019 10:05:35

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001749

Re-Slope: 1.000000

A1 (Gain): 8.703989

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999788

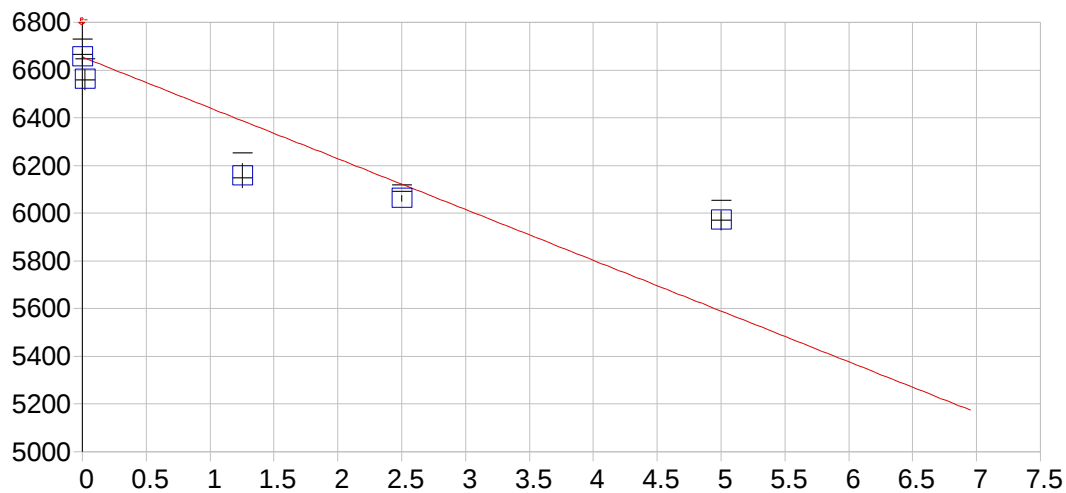
Status: OK.

Std Error of Est: 0.004335

Predicted MDL: 0.000137

Predicted MQL: 0.000455

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00173 | .001    | 1        |
| S1        | .02000       | .02197      | .002       | 9.87    | .19396 | .002    | 1        |
| S3        | 2.5000       | 2.5503      | .050       | 2.01    | 22.223 | .112    | 1        |
| S4        | 5.0000       | 5.1247      | .125       | 2.49    | 44.655 | .310    | 1        |
| S5        | 10.000       | 9.8230      | -.177      | -1.77   | 85.597 | .709    | 1        |

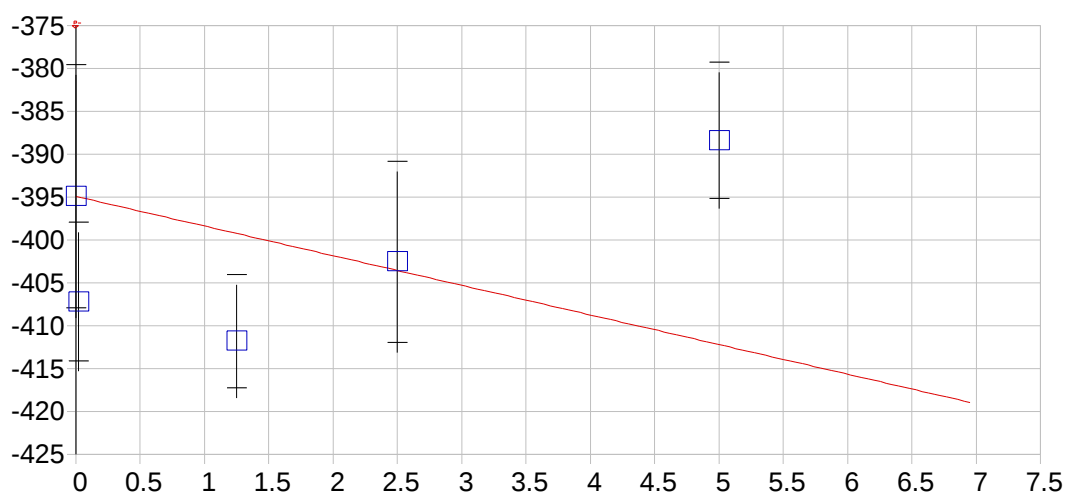


U 367.007 { 92 }

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 6654.200833 Re-Slope: 1.000000  
A1 (Gain): -212.863631 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.673587 Status: Warning Negative Gain  
Std Error of Est: 3.991388  
Predicted MDL: n/a  
Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00044     | -.000      | .000    | 6654.3 | 32.4    | 1        |
| S1        | .02000       | .44284      | .423       | 2110.   | 6559.9 | 44.2    | 1        |
| S3        | 1.2500       | 2.3343      | 1.08       | 86.7    | 6157.3 | 51.7    | 1        |
| S4        | 2.5000       | 2.7790      | .279       | 11.2    | 6062.6 | 14.0    | 1        |
| S5        | 5.0000       | 3.2139      | -1.79      | -35.7   | 5970.1 | 41.0    | 1        |



U 385.958 { 87}

Date of Fit: 1/16/2019 10:05:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -394.922944 Re-Slope: 1.000000

A1 (Gain): -3.454031 Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.115734

Status: Warning Negative Gain

Std Error of Est: 0.506576

Predicted MDL: n/a

Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00356     | -.004      | .000    | -394.91 | 14.2    | 1        |
| S1        | .02000       | 3.5561      | 3.54       | 17700.  | -407.21 | 8.11    | 1        |
| S3        | 1.2500       | 4.8931      | 3.64       | 291.    | -411.82 | 6.59    | 1        |
| S4        | 2.5000       | 2.2082      | -.292      | -11.7   | -402.55 | 10.6    | 1        |
| S5        | 5.0000       | -1.8874     | -6.89      | -138.   | -388.40 | 7.94    | 1        |

Sample Name: S0      Acquired: 1/15/2019 14:59:46      Type: Cal  
Method: P4-ICP2(v2743)      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    | -.00063 | .00001 | .00337 | -.00019 | .00021 | .00065 | .25448 | -.00006 |
| Stddev | .00003  | .00007 | .00006 | .00018  | .00008 | .00004 | .00642 | .00006  |
| %RSD   | 4.3173  | 571.63 | 1.7396 | 98.327  | 39.022 | 6.3993 | 2.5214 | 94.287  |

|    |         |         |        |         |        |        |        |         |
|----|---------|---------|--------|---------|--------|--------|--------|---------|
| #1 | -.00065 | .00004  | .00344 | -.00004 | .00024 | .00061 | .25413 | .00001  |
| #2 | -.00063 | .00006  | .00333 | -.00013 | .00012 | .00064 | .24824 | -.00010 |
| #3 | -.00060 | -.00007 | .00335 | -.00040 | .00028 | .00069 | .26106 | -.00010 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| 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    | -.00219 | .00184 | .00013 | .00055 | .00058 | .00997 | .00043 | .00025 |
| Stddev | .00012  | .00099 | .00002 | .00003 | .00020 | .01030 | .00004 | .00018 |
| %RSD   | 5.5407  | 53.704 | 16.275 | 4.5970 | 33.732 | 103.38 | 9.4244 | 74.455 |

|    |         |        |        |        |        |         |        |        |
|----|---------|--------|--------|--------|--------|---------|--------|--------|
| #1 | -.00222 | .00098 | .00015 | .00058 | .00079 | -.00115 | .00038 | .00004 |
| #2 | -.00205 | .00292 | .00012 | .00054 | .00039 | .01919  | .00045 | .00032 |
| #3 | -.00229 | .00162 | .00011 | .00054 | .00057 | .01186  | .00045 | .00038 |

|        |         |        |        |        |        |        |        |         |
|--------|---------|--------|--------|--------|--------|--------|--------|---------|
| 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    | -.00756 | .00300 | .05767 | .00038 | .07820 | .00337 | .00027 | -.00003 |
| Stddev | .00034  | .00009 | .00089 | .00006 | .00864 | .00233 | .00009 | .00056  |
| %RSD   | 4.5213  | 3.0392 | 1.5469 | 16.302 | 11.047 | 68.940 | 33.537 | 2095.4  |

|    |         |        |        |        |        |        |        |         |
|----|---------|--------|--------|--------|--------|--------|--------|---------|
| #1 | -.00794 | .00290 | .05710 | .00045 | .08634 | .00070 | .00030 | .00025  |
| #2 | -.00729 | .00302 | .05722 | .00035 | .06913 | .00489 | .00017 | .00035  |
| #3 | -.00745 | .00308 | .05870 | .00035 | .07914 | .00454 | .00034 | -.00068 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| 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    | -.00001 | .01823 | .00073 | .00087 | -.02126 | -.0027 | .00173 | 6654.3 |
| Stddev | .00005  | .00129 | .00003 | .00070 | .00296  | .0001  | .00139 | 32.4   |
| %RSD   | 320.44  | 7.0920 | 3.8033 | 81.082 | 13.919  | 5.246  | 80.389 | .48619 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00004  | .01675 | .00072 | .00168 | -.02363 | -.0028 | .00230 | 6630.9 |
| #2 | -.00005 | .01913 | .00076 | .00048 | -.02222 | -.0025 | .00273 | 6640.7 |
| #3 | -.00003 | .01881 | .00071 | .00044 | -.01794 | -.0028 | .00014 | 6691.2 |

Sample Name: S0      Acquired: 1/15/2019 14:59:46      Type: Cal  
 Method: P4-ICP2(v2743)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -394.91 |
| Stddev | 14.19   |
| %RSD   | 3.5935  |

|    |         |
|----|---------|
| #1 | -379.24 |
| #2 | -406.91 |
| #3 | -398.58 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3451.3 | 44351. | 3938.3 | 111.10 | 3844.7 |
| Stddev    | 3.6    | 49.    | 44.6   | 3.21   | 4.2    |
| %RSD      | .10423 | .11055 | 1.1314 | 2.8872 | .10827 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3447.2 | 44347. | 3887.6 | 108.38 | 3840.6 |
| #2 | 3452.5 | 44402. | 3971.2 | 114.63 | 3848.9 |
| #3 | 3454.1 | 44305. | 3956.2 | 110.28 | 3844.5 |

Sample Name: S1      Acquired: 1/15/2019 15:04:10      Type: Cal  
Method: P4-ICP2(v2743)      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    | .00037 | .00601 | .00755 | .00137 | .00765  | .00154 | .76597 | .00593 |
| Stddev | .00006 | .00012 | .00027 | .00018 | .00010  | .00013 | .00535 | .00011 |
| %RSD   | 15.078 | 2.0642 | 3.5083 | 13.125 | 1.3542  | 8.5190 | .69827 | 1.8022 |
| #1     | .00033 | .00594 | .00765 | .00145 | .00765  | .00145 | .76649 | .00598 |
| #2     | .00043 | .00593 | .00776 | .00148 | .00755  | .00148 | .77104 | .00581 |
| #3     | .00034 | .00615 | .00725 | .00116 | .00775  | .00169 | .76038 | .00600 |
| 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    | .01564 | .00234 | .03502 | .01507 | .15413  | .03058 | .01945 | .00534 |
| Stddev | .00025 | .00013 | .00020 | .00007 | .01001  | .00011 | .00007 | .00008 |
| %RSD   | 1.5818 | 5.3780 | .56429 | .47500 | 6.4974  | .36793 | .38280 | 1.4886 |
| #1     | .01573 | .00233 | .03519 | .01499 | .16269  | .03066 | .01943 | .00534 |
| #2     | .01536 | .00247 | .03480 | .01511 | .14312  | .03063 | .01953 | .00526 |
| #3     | .01584 | .00222 | .03506 | .01512 | .15659  | .03045 | .01938 | .00542 |
| 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    | .01041 | 3.4474 | .13421 | .00438 | .00094  | .18226 | .00877 | .01380 |
| Stddev | .00015 | .0522  | .00037 | .00033 | .00006  | .00122 | .00005 | .00038 |
| %RSD   | 1.4641 | 1.5138 | .27848 | 7.6217 | 6.4494  | .67062 | .54885 | 2.7603 |
| #1     | .01057 | 3.4013 | .13438 | .00475 | .00095  | .18316 | .00882 | .01424 |
| #2     | .01028 | 3.5041 | .13448 | .00409 | .00088  | .18276 | .00873 | .01353 |
| #3     | .01037 | 3.4367 | .13379 | .00430 | .00100  | .18087 | .00874 | .01364 |
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |        |        |        |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |        |        |        |
| Avg    | .01585 | -.0008 | .19396 | 6559.9 | -407.21 |        |        |        |
| Stddev | .00188 | .0000  | .00175 | 44.2   | 8.11    |        |        |        |
| %RSD   | 11.869 | 4.579  | .90399 | .67345 | 1.9919  |        |        |        |
| #1     | .01375 | -.0008 | .19194 | 6608.5 | -416.55 |        |        |        |
| #2     | .01643 | -.0008 | .19510 | 6522.1 | -403.08 |        |        |        |
| #3     | .01738 | -.0009 | .19483 | 6549.3 | -401.99 |        |        |        |

Sample Name: S1      Acquired: 1/15/2019 15:04:10      Type: Cal  
 Method: P4-ICP2(v2743)      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       | 3453.5 | 44108. | 3987.9 | 112.84 | 3806.3 |
| Stddev    | 6.6    | 72.    | 30.5   | 1.97   | 1.2    |
| %RSD      | .19176 | .16379 | .76471 | 1.7438 | .03160 |
|           |        |        |        |        |        |
| #1        | 3457.5 | 44068. | 3976.0 | 114.08 | 3806.6 |
| #2        | 3445.9 | 44064. | 3965.1 | 110.58 | 3807.3 |
| #3        | 3457.2 | 44191. | 4022.5 | 113.88 | 3804.9 |

Sample Name: S2      Acquired: 1/15/2019 15:08:35      Type: Cal  
Method: P4-ICP2(v2743)      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    | .09967 | .02265 | .64177 | .19005 |
| Stddev | .00063 | .00091 | .00198 | .00188 |
| %RSD   | .63163 | 4.0100 | .30872 | .98786 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .09996 | .02191 | .64368 | .18902 |
| #2 | .10010 | .02366 | .63973 | .18892 |
| #3 | .09895 | .02237 | .64190 | .19222 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 3944.9 |
| Stddev    | 39.9   |
| %RSD      | 1.0115 |

|    |        |
|----|--------|
| #1 | 3898.9 |
| #2 | 3965.3 |
| #3 | 3970.5 |

Sample Name: S3      Acquired: 1/15/2019 15:12:51      Type: Cal  
Method: P4-ICP2(v2743)      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    | .12491 | .31501 | .71518 | .15687 | .32591 | .03776 | 22.599 | .11303 |
| Stddev | .00047 | .00065 | .00268 | .00065 | .00114 | .00034 | .300   | .00038 |
| %RSD   | .37986 | .20725 | .37531 | .41726 | .35055 | .90593 | 1.3270 | .33219 |
| #1     | .12542 | .31571 | .71819 | .15612 | .32690 | .03738 | 22.876 | .11265 |
| #2     | .12449 | .31491 | .71304 | .15731 | .32466 | .03805 | 22.640 | .11340 |
| #3     | .12482 | .31442 | .71431 | .15718 | .32618 | .03786 | 22.281 | .11303 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 3.4807 | .56662 | .10044 | 1.2270 | .39246 | 3.3369 | 1.6017 | .13115 |
| Stddev | .0117  | .00178 | .00061 | .0056  | .00104 | .0592  | .0038  | .00075 |
| %RSD   | .33569 | .31413 | .61088 | .45959 | .26466 | 1.7731 | .23478 | .57419 |
| #1     | 3.4890 | .56666 | .10075 | 1.2314 | .39278 | 3.3481 | 1.6051 | .13155 |
| #2     | 3.4857 | .56838 | .10083 | 1.2288 | .39130 | 3.3897 | 1.6025 | .13162 |
| #3     | 3.4673 | .56482 | .09973 | 1.2206 | .39330 | 3.2730 | 1.5977 | .13028 |
| 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    | .71572 | .13489 | 3.3990 | .26911 | 90.112 | 1.1018 | 1.5178 | .09689 |
| Stddev | .00182 | .00073 | .0377  | .00047 | 2.152  | .0119  | .0011  | .00073 |
| %RSD   | .25395 | .54064 | 1.1105 | .17561 | 2.3878 | 1.0811 | .07002 | .75502 |
| #1     | .71781 | .13485 | 3.4283 | .26857 | 91.567 | 1.1080 | 1.5175 | .09738 |
| #2     | .71451 | .13564 | 3.4123 | .26946 | 91.129 | 1.1093 | 1.5170 | .09723 |
| #3     | .71484 | .13419 | 3.3564 | .26929 | 87.640 | 1.0880 | 1.5190 | .09605 |
| 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    | .10615 | .96889 | .43051 | .70227 | 4.0455 | .2136  | 22.223 | 6157.3 |
| Stddev | .00013 | .00898 | .00125 | .00087 | .0307  | .0007  | .112   | 51.7   |
| %RSD   | .11912 | .92635 | .28987 | .12323 | .75811 | .3324  | .50611 | .83947 |
| #1     | .10627 | .97704 | .43160 | .70317 | 4.0690 | .2139  | 22.325 | 6134.9 |
| #2     | .10616 | .97035 | .42915 | .70219 | 4.0568 | .2128  | 22.243 | 6120.6 |
| #3     | .10602 | .95927 | .43079 | .70144 | 4.0108 | .2141  | 22.103 | 6216.4 |

Sample Name: S3      Acquired: 1/15/2019 15:12:51      Type: Cal  
 Method: P4-ICP2(v2743)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -411.82 |
| Stddev | 6.59    |
| %RSD   | 1.5990  |

|    |         |
|----|---------|
| #1 | -409.55 |
| #2 | -406.67 |
| #3 | -419.24 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3379.2 | 42564. | 3933.4 | 107.11 | 3576.3 |
| Stddev    | 5.4    | 225.   | 50.0   | 2.68   | 16.9   |
| %RSD      | .16028 | .52913 | 1.2700 | 2.5058 | .47151 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3373.2 | 42486. | 3878.3 | 105.22 | 3561.5 |
| #2 | 3383.8 | 42388. | 3945.9 | 105.93 | 3572.8 |
| #3 | 3380.6 | 42818. | 3975.8 | 110.18 | 3594.6 |

Sample Name: S4      Acquired: 1/15/2019 15:16:52      Type: Cal  
Method: P4-ICP2(v2743)      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    | .25203 | .63367 | 1.4424 | .31544 | .65557 | .07494 | 45.904 | .22669 |
| Stddev | .00122 | .00099 | .0014  | .00071 | .00172 | .00065 | .305   | .00066 |
| %RSD   | .48371 | .15651 | .09660 | .22646 | .26250 | .86500 | .66464 | .28894 |
| #1     | .25074 | .63271 | 1.4432 | .31480 | .65400 | .07423 | 46.242 | .22649 |
| #2     | .25317 | .63469 | 1.4407 | .31621 | .65741 | .07511 | 45.649 | .22616 |
| #3     | .25218 | .63361 | 1.4431 | .31530 | .65532 | .07549 | 45.821 | .22742 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 7.0871 | 1.1279 | .19807 | 2.4854 | .77635 | 6.5042 | 3.1732 | .26263 |
| Stddev | .0031  | .0047  | .00068 | .0020  | .00218 | .1776  | .0056  | .00057 |
| %RSD   | .04386 | .41719 | .34427 | .08114 | .28131 | 2.7312 | .17806 | .21520 |
| #1     | 7.0890 | 1.1282 | .19783 | 2.4849 | .77383 | 6.5207 | 3.1698 | .26198 |
| #2     | 7.0835 | 1.1230 | .19754 | 2.4837 | .77770 | 6.3188 | 3.1701 | .26302 |
| #3     | 7.0888 | 1.1324 | .19884 | 2.4876 | .77752 | 6.6730 | 3.1797 | .26290 |
| 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    | 1.4458 | .26422 | 6.8014 | .53716 | 177.54 | 2.2187 | 3.0262 | .19597 |
| Stddev | .0003  | .00065 | .0345  | .00033 | 4.41   | .0121  | .0048  | .00073 |
| %RSD   | .01902 | .24667 | .50771 | .06214 | 2.4841 | .54567 | .15736 | .37402 |
| #1     | 1.4460 | .26494 | 6.8365 | .53711 | 179.54 | 2.2321 | 3.0221 | .19532 |
| #2     | 1.4458 | .26405 | 6.7675 | .53685 | 172.49 | 2.2087 | 3.0314 | .19584 |
| #3     | 1.4455 | .26366 | 6.8002 | .53751 | 180.60 | 2.2152 | 3.0251 | .19676 |
| 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    | .22050 | 1.9193 | .87150 | 1.4049 | 8.1698 | .4460  | 44.655 | 6062.6 |
| Stddev | .00084 | .0076  | .00138 | .0052  | .0462  | .0004  | .310   | 14.0   |
| %RSD   | .37963 | .39540 | .15782 | .36812 | .56504 | .0874  | .69383 | .23059 |
| #1     | .21957 | 1.9281 | .87124 | 1.4107 | 8.2207 | .4459  | 44.981 | 6046.8 |
| #2     | .22118 | 1.9150 | .87027 | 1.4006 | 8.1306 | .4465  | 44.365 | 6073.3 |
| #3     | .22076 | 1.9148 | .87299 | 1.4035 | 8.1581 | .4457  | 44.618 | 6067.8 |

Sample Name: S4      Acquired: 1/15/2019 15:16:52      Type: Cal  
Method: P4-ICP2(v2743)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -402.55 |
| Stddev | 10.56   |
| %RSD   | 2.6236  |

|    |         |
|----|---------|
| #1 | -392.77 |
| #2 | -413.75 |
| #3 | -401.13 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3317.6 | 41983. | 3878.4 | 106.38 | 3426.1 |
| Stddev    | 12.2   | 131.   | 37.5   | 2.46   | 7.2    |
| %RSD      | .36705 | .31095 | .96648 | 2.3166 | .21034 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3322.5 | 41833. | 3835.4 | 105.04 | 3424.3 |
| #2 | 3303.8 | 42072. | 3895.9 | 109.23 | 3420.0 |
| #3 | 3326.6 | 42044. | 3903.9 | 104.87 | 3434.1 |

Sample Name: S5      Acquired: 1/15/2019 15:20:53      Type: Cal  
Method: P4-ICP2(v2743)      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    | .49768 | 1.2437 | 2.8709 | .61732 | 1.2848 | .14779 | 87.955 | .44274 |
| Stddev | .00047 | .0023  | .0034  | .00117 | .0014  | .00035 | .361   | .00133 |
| %RSD   | .09529 | .18282 | .12030 | .19023 | .10706 | .23349 | .41099 | .30007 |
| #1     | .49793 | 1.2456 | 2.8719 | .61854 | 1.2852 | .14754 | 87.549 | .44351 |
| #2     | .49713 | 1.2443 | 2.8737 | .61620 | 1.2832 | .14765 | 88.077 | .44120 |
| #3     | .49797 | 1.2412 | 2.8671 | .61721 | 1.2859 | .14818 | 88.240 | .44350 |
| 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    | 14.156 | 2.1691 | .38330 | 4.9714 | 1.4898 | 12.800 | 6.1004 | .50466 |
| Stddev | .015   | .0179  | .00169 | .0057  | .0017  | .204   | .0132  | .00302 |
| %RSD   | .10661 | .82270 | .44147 | .11480 | .11415 | 1.5916 | .21645 | .59806 |
| #1     | 14.170 | 2.1891 | .38424 | 4.9763 | 1.4917 | 12.965 | 6.1086 | .50739 |
| #2     | 14.157 | 2.1636 | .38134 | 4.9728 | 1.4889 | 12.573 | 6.0852 | .50518 |
| #3     | 14.140 | 2.1547 | .38431 | 4.9652 | 1.4887 | 12.863 | 6.1074 | .50142 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.8762 | .51272 | 13.156 | 1.0500 | 342.53 | 4.2830 | 5.8834 | .38049 |
| Stddev | .0011  | .00182 | .102   | .0031  | 4.24   | .0345  | .0084  | .00239 |
| %RSD   | .03704 | .35438 | .77275 | .29817 | 1.2368 | .80472 | .14293 | .62923 |
| #1     | 2.8770 | .51360 | 13.258 | 1.0535 | 347.20 | 4.3159 | 5.8924 | .38298 |
| #2     | 2.8765 | .51063 | 13.154 | 1.0476 | 338.93 | 4.2861 | 5.8758 | .37820 |
| #3     | 2.8750 | .51394 | 13.055 | 1.0489 | 341.46 | 4.2472 | 5.8821 | .38028 |
| 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    | .45136 | 3.6510 | 1.7354 | 2.7321 | 15.881 | .9083  | 85.597 | 5970.1 |
| Stddev | .00023 | .0354  | .0014  | .0118  | .142   | .0017  | .709   | 41.0   |
| %RSD   | .05205 | .96902 | .07846 | .43053 | .89420 | .1826  | .82799 | .68639 |
| #1     | .45149 | 3.6917 | 1.7341 | 2.7429 | 16.031 | .9098  | 85.669 | 5953.2 |
| #2     | .45109 | 3.6340 | 1.7368 | 2.7196 | 15.864 | .9086  | 86.267 | 6016.8 |
| #3     | .45150 | 3.6274 | 1.7354 | 2.7338 | 15.748 | .9066  | 84.855 | 5940.2 |

Sample Name: S5      Acquired: 1/15/2019 15:20:53      Type: Cal  
Method: P4-ICP2(v2743)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -388.40 |
| Stddev | 7.94    |
| %RSD   | 2.0445  |

|    |         |
|----|---------|
| #1 | -380.46 |
| #2 | -396.34 |
| #3 | -388.41 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3266.6 | 41492. | 3920.2 | 105.39 | 3258.5 |
| Stddev    | 6.4    | 64.    | 38.5   | 1.37   | 4.8    |
| %RSD      | .19710 | .15520 | .98254 | 1.2956 | .14582 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3259.2 | 41528. | 3878.8 | 103.88 | 3254.2 |
| #2 | 3270.4 | 41531. | 3926.7 | 106.52 | 3257.7 |
| #3 | 3270.3 | 41418. | 3955.0 | 105.78 | 3263.6 |

Sample Name: ICV01      Acquired: 1/15/2019 15:30:17      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |          |        |        |        |        |        |
|--------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908   | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .96609 | F .97621 | .96789 | 1.0789 | .96075 | 2.4825 | .49106 |
| Stddev | .00482 | .00057   | .00254 | .0071  | .00364 | .0377  | .00256 |
| %RSD   | .49913 | .05865   | .26235 | .66224 | .37884 | 1.5165 | .52033 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .96452 | .97661 | .96516 | 1.0716 | .95679 | 2.4510 | .49092 |
| #2 | .96224 | .97555 | .96834 | 1.0793 | .96151 | 2.4723 | .49368 |
| #3 | .97150 | .97646 | .97018 | 1.0859 | .96395 | 2.5242 | .48857 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .48095 | .47336 | 9.9086 | .49477 | .48389 | .50395 | 4.8791 |
| Stddev | .00044 | .00036 | .0887  | .00060 | .00063 | .00074 | .1117  |
| %RSD   | .09148 | .07552 | .89521 | .12027 | .12941 | .14692 | 2.2895 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .48085 | .47377 | 9.8830 | .49415 | .48336 | .50389 | 4.9129 |
| #2 | .48057 | .47320 | 10.007 | .49482 | .48372 | .50323 | 4.7544 |
| #3 | .48143 | .47311 | 9.8355 | .49534 | .48458 | .50471 | 4.9700 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .50267 | 5.8825 | .48520 | F .46411 | 9.7257 | .48969 | .98062 |
| Stddev | .00046 | .0561  | .00024 | .00153   | .0650  | .00051 | .02072 |
| %RSD   | .09210 | .95282 | .04996 | .32968   | .66835 | .10448 | 2.1125 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50274 | 5.8536 | .48527 | .46238 | 9.7066 | .48978 | .99529 |
| #2 | .50217 | 5.9471 | .48540 | .46468 | 9.7981 | .48914 | .95692 |
| #3 | .50309 | 5.8468 | .48493 | .46528 | 9.6724 | .49015 | .98966 |

|        |        |          |          |          |          |          |          |
|--------|--------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7664 | Mo2020   | B_2496   | S_1820   | Si2881   | Sn1899   | Ti3361   |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.9808 | F 3.3542 | F 3.3881 | F 1.5104 | F 3.2613 | F 3.2988 | F 3.4154 |
| Stddev | .0480  | .0028    | .0227    | .0031    | .0372    | .0080    | .0198    |
| %RSD   | .48098 | .08375   | .67115   | .20605   | 1.1418   | .24368   | .58036   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.9290 | 3.3572 | 3.3629 | 1.5080 | 3.2691 | 3.2984 | 3.3926 |
| #2 | 10.024 | 3.3517 | 3.4071 | 1.5092 | 3.2940 | 3.2910 | 3.4275 |
| #3 | 9.9895 | 3.3536 | 3.3944 | 1.5139 | 3.2208 | 3.3070 | 3.4263 |

Sample Name: ICV01      Acquired: 1/15/2019 15:30:17      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|           |          |         |          |          |          |
|-----------|----------|---------|----------|----------|----------|
| Elem      | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units     | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg       | F 3.5704 | F 1.513 | F 1.4872 | F 2.0108 | F<.00000 |
| Stddev    | .0155    | .004    | .0055    | .1675    | .85370   |
| %RSD      | .43344   | .2456   | .36909   | 8.3292   | 15.628   |
| #1        | 3.5618   | 1.512   | 1.4890   | 1.8474   | -4.9382  |
| #2        | 3.5883   | 1.510   | 1.4915   | 2.1820   | -6.4476  |
| #3        | 3.5611   | 1.517   | 1.4810   | 2.0030   | -5.0017  |
| Int. Std. | Y_2243   | Y_3600  | Y_3710   | In2306   | In2306   |
| Units     | Cts/S    | Cts/S   | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3371.9   | 42491.  | 3933.8   | 109.56   | 3595.3   |
| Stddev    | 6.7      | 132.    | 42.6     | 2.32     | 2.4      |
| %RSD      | .20001   | .31117  | 1.0829   | 2.1134   | .06732   |
| #1        | 3365.5   | 42616.  | 3926.3   | 107.91   | 3594.6   |
| #2        | 3378.9   | 42504.  | 3895.4   | 112.21   | 3598.0   |
| #3        | 3371.4   | 42353.  | 3979.6   | 108.57   | 3593.3   |

Sample Name: LLICV01      Acquired: 1/15/2019 15:36:13      Type: Unk  
Method: P4-ICP2(v2743)      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    | .01741 | .04019 | .01240 | .02024 | .04804   | .08323 | .09387 | .00550   |
| Stddev | .00236 | .00065 | .00064 | .00184 | .00086   | .00063 | .00069 | .00004   |
| %RSD   | 13.527 | 1.6151 | 5.1749 | 9.0709 | 1.7866   | .75612 | .73627 | .76118   |
| #1     | .01936 | .04060 | .01187 | .01814 | .04715   | .08356 | .09395 | .00555   |
| #2     | .01480 | .03944 | .01221 | .02158 | .04886   | .08251 | .09315 | .00548   |
| #3     | .01808 | .04053 | .01311 | .02099 | .04810   | .08363 | .09452 | .00547   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | .00512 | 1.8072 | .00913 | .02869 | .01937   | .08896 | .01982 | 1.8936   |
| Stddev | .00007 | .0107  | .00005 | .00020 | .00004   | .00978 | .00013 | .0379    |
| %RSD   | 1.3324 | .58904 | .50749 | .68766 | .18512   | 10.991 | .66736 | 2.0004   |
| #1     | .00515 | 1.8055 | .00909 | .02847 | .01939   | .08965 | .01970 | 1.9127   |
| #2     | .00516 | 1.7975 | .00919 | .02885 | .01933   | .07886 | .01981 | 1.8500   |
| #3     | .00504 | 1.8186 | .00912 | .02875 | .01940   | .09838 | .01996 | 1.9182   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | .03758 | .01005 | 1.8086 | .03894 | .03908   | 1.8846 | .18160 | .10998   |
| Stddev | .00049 | .00063 | .0061  | .00011 | .00012   | .0142  | .00053 | .00443   |
| %RSD   | 1.3010 | 6.2379 | .33785 | .28515 | .30072   | .75408 | .29195 | 4.0281   |
| #1     | .03724 | .01072 | 1.8025 | .03905 | .03913   | 1.8892 | .18178 | .10674   |
| #2     | .03736 | .00997 | 1.8148 | .03894 | .03895   | 1.8959 | .18101 | .11503   |
| #3     | .03814 | .00947 | 1.8086 | .03883 | .03917   | 1.8686 | .18202 | .10817   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | .01851 | .36158 | .03953 | .03798 | F .01543 | .0169  | .01764 | F .40165 |
| Stddev | .00277 | .00422 | .00050 | .00118 | .00253   | .0013  | .00008 | .13361   |
| %RSD   | 14.968 | 1.1668 | 1.2562 | 3.1146 | 16.399   | 7.913  | .43573 | 33.264   |
| #1     | .01810 | .36413 | .03897 | .03661 | .01791   | .0156  | .01757 | .42881   |
| #2     | .01597 | .36389 | .03992 | .03864 | .01286   | .0168  | .01772 | .25655   |
| #3     | .02147 | .35671 | .03969 | .03868 | .01553   | .0183  | .01764 | .51959   |

Sample Name: LLICV01      Acquired: 1/15/2019 15:36:13      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 6.6879 |
| Stddev | 1.5989   |
| %RSD   | 23.907   |

|    |        |
|----|--------|
| #1 | 5.7036 |
| #2 | 5.8274 |
| #3 | 8.5328 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3471.6 | 44113. | 3984.3 | 112.84 | 3848.5 |
| Stddev    | 6.7    | 80.    | 26.1   | .59    | 2.0    |
| %RSD      | .19235 | .18150 | .65593 | .51929 | .05166 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3464.9 | 44021. | 3959.1 | 112.19 | 3850.5 |
| #2 | 3478.2 | 44164. | 3982.6 | 112.99 | 3848.5 |
| #3 | 3471.6 | 44154. | 4011.2 | 113.33 | 3846.6 |

Sample Name: ICB01      Acquired: 1/15/2019 15:44:39      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00150 | .00004  | .00068  | .00328  | .00098  | .00153  | .00296  | -.00001  |
| Stddev | .00188  | .00019  | .00107  | .00155  | .00011  | .00975  | .00010  | .00003   |
| %RSD   | 124.95  | 510.26  | 156.40  | 47.367  | 11.434  | 638.69  | 3.4232  | 418.23   |
| #1     | .00045  | .00019  | .00020  | .00276  | .00098  | -.00949 | .00286  | -.00003  |
| #2     | -.00167 | -.00017 | .00191  | .00205  | .00086  | .00504  | .00295  | -.00002  |
| #3     | -.00329 | .00009  | -.00006 | .00502  | .00109  | .00904  | .00306  | .00003   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00002 | -.01288 | -.00027 | -.00000 | .00018  | .00361  | -.00008 | -.06008  |
| Stddev | .00004  | .00641  | .00041  | .00010  | .00041  | .00732  | .00004  | .05347   |
| %RSD   | 180.67  | 49.775  | 154.03  | 15673.  | 225.57  | 202.64  | 48.526  | 89.002   |
| #1     | .00000  | -.01942 | .00021  | -.00001 | -.00029 | -.00415 | -.00012 | -.02231  |
| #2     | -.00000 | -.01260 | -.00049 | .00011  | .00041  | .00461  | -.00007 | -.12126  |
| #3     | -.00007 | -.00661 | -.00052 | -.00010 | .00043  | .01038  | -.00004 | -.03666  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00021 | .00118  | -.04906 | -.00064 | .00004  | .09304  | -.00016 | .00846   |
| Stddev | .00006  | .00020  | .00830  | .00018  | .00016  | .01348  | .00027  | .00206   |
| %RSD   | 28.254  | 16.588  | 16.918  | 27.552  | 370.32  | 14.483  | 167.85  | 24.348   |
| #1     | -.00022 | .00141  | -.03948 | -.00057 | .00022  | .07755  | -.00042 | .01044   |
| #2     | -.00027 | .00104  | -.05360 | -.00084 | -.00000 | .09949  | .00011  | .00633   |
| #3     | -.00015 | .00110  | -.05410 | -.00051 | -.00009 | .10208  | -.00017 | .00859   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00124  | .00253  | .00055  | -.00151 | -.00456 | .0008   | -.00018 | F .73330 |
| Stddev | .00491  | .00112  | .00021  | .00067  | .00065  | .0007   | .00004  | .20806   |
| %RSD   | 395.41  | 44.278  | 37.020  | 44.203  | 14.298  | 98.16   | 24.226  | 28.373   |
| #1     | -.00065 | .00177  | .00075  | -.00089 | -.00389 | .0013   | -.00020 | .49309   |
| #2     | -.00244 | .00201  | .00034  | -.00222 | -.00459 | -.0001  | -.00013 | .85000   |
| #3     | .00682  | .00382  | .00057  | -.00142 | -.00519 | .0010   | -.00021 | .85681   |

Sample Name: ICB01      Acquired: 1/15/2019 15:44:39      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.8836 |
| Stddev | .0557    |
| %RSD   | 2.9576   |

|    |        |
|----|--------|
| #1 | 1.9239 |
| #2 | 1.8200 |
| #3 | 1.9068 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3442.3 | 43786. | 3955.1 | 112.49 | 3848.1 |
| Stddev    | 5.0    | 76.    | 34.2   | 2.87   | 2.5    |
| %RSD      | .14582 | .17320 | .86522 | 2.5503 | .06623 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3437.0 | 43851. | 3917.3 | 109.49 | 3849.0 |
| #2 | 3442.8 | 43803. | 3964.2 | 115.21 | 3845.2 |
| #3 | 3447.0 | 43702. | 3983.8 | 112.78 | 3850.1 |

Sample Name: CRI01      Acquired: 1/15/2019 15:53:34      Type: Unk  
Method: P4-ICP2(v2743)      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    | .02043 | .04583 | .01351 | .01869 | .05701 | .11293 | .11085 | .00645   |
| Stddev | .00208 | .00102 | .00035 | .00130 | .00182 | .00566 | .00046 | .00011   |
| %RSD   | 10.162 | 2.2288 | 2.6166 | 6.9565 | 3.1930 | 5.0102 | .41870 | 1.7198   |
| #1     | .01957 | .04676 | .01340 | .01926 | .05752 | .11595 | .11138 | .00637   |
| #2     | .01892 | .04474 | .01391 | .01720 | .05853 | .11644 | .11050 | .00641   |
| #3     | .02280 | .04600 | .01323 | .01960 | .05499 | .10640 | .11068 | .00658   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00595 | 2.1455 | .01069 | .03412 | .02224 | .11393 | .02344 | 2.2310   |
| Stddev | .00009 | .0179  | .00064 | .00027 | .00064 | .00897 | .00018 | .0238    |
| %RSD   | 1.4889 | .83496 | 5.9875 | .79037 | 2.8823 | 7.8686 | .76707 | 1.0672   |
| #1     | .00595 | 2.1526 | .01141 | .03395 | .02154 | .11986 | .02329 | 2.2488   |
| #2     | .00587 | 2.1252 | .01049 | .03397 | .02279 | .10362 | .02364 | 2.2401   |
| #3     | .00605 | 2.1588 | .01018 | .03443 | .02240 | .11833 | .02341 | 2.2039   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04410 | .01208 | 2.1243 | .04581 | .04632 | 2.2240 | .21467 | .11438   |
| Stddev | .00038 | .00040 | .0219  | .00015 | .00079 | .0309  | .00052 | .00163   |
| %RSD   | .86604 | 3.3047 | 1.0319 | .32639 | 1.7098 | 1.3906 | .24252 | 1.4248   |
| #1     | .04410 | .01162 | 2.1282 | .04597 | .04558 | 2.2041 | .21413 | .11290   |
| #2     | .04449 | .01227 | 2.1007 | .04577 | .04716 | 2.2596 | .21517 | .11412   |
| #3     | .04373 | .01235 | 2.1440 | .04568 | .04621 | 2.2082 | .21470 | .11613   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02064 | .42302 | .04418 | .04467 | .01643 | .0192  | .02066 | F 1.6747 |
| Stddev | .00025 | .00493 | .00044 | .00200 | .00107 | .0007  | .00010 | .1289    |
| %RSD   | 1.2256 | 1.1665 | .99415 | 4.4884 | 6.4934 | 3.677  | .47521 | 7.6976   |
| #1     | .02089 | .42217 | .04440 | .04281 | .01632 | .0188  | .02055 | 1.8211   |
| #2     | .02065 | .42832 | .04368 | .04440 | .01754 | .0200  | .02068 | 1.5783   |
| #3     | .02038 | .41856 | .04448 | .04680 | .01542 | .0189  | .02075 | 1.6247   |

Sample Name: CRI01      Acquired: 1/15/2019 15:53:34      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 6.2908  
Stddev      3.3526  
%RSD      53.293

#1      3.1062  
#2      9.7893  
#3      5.9770

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3402.6 | 43040. | 3954.8 | 111.58 | 3772.8 |
| Stddev    | 4.0    | 60.    | 14.1   | 1.46   | .9     |
| %RSD      | .11867 | .14031 | .35739 | 1.3053 | .02338 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3399.8 | 42975. | 3970.6 | 112.90 | 3773.8 |
| #2 | 3400.8 | 43050. | 3943.5 | 110.02 | 3772.0 |
| #3 | 3407.2 | 43095. | 3950.2 | 111.82 | 3772.6 |

Sample Name: ICSA01      Acquired: 1/15/2019 15:58:00      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00016 | .00089 | -.00434 | .00136 | .00015 | 299.67 | .00696 |
| Stddev | .00608  | .00124 | .00245  | .00588 | .00223 | 1.92   | .00151 |
| %RSD   | 3759.5  | 139.05 | 56.494  | 432.97 | 1472.6 | .64074 | 21.642 |

|    |         |         |         |         |         |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|
| #1 | -.00433 | .00048  | -.00701 | .00067  | -.00241 | 297.45 | .00536 |
| #2 | -.00297 | -.00009 | -.00218 | .00755  | .00168  | 300.88 | .00717 |
| #3 | .00682  | .00229  | -.00384 | -.00415 | .00118  | 300.67 | .00836 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00109 | -.00237 | 265.04 | .06164 | .00053 | .00642 | 108.26 |
| Stddev | .00011  | .00024  | 3.65   | .00098 | .00025 | .00058 | .78    |
| %RSD   | 9.7633  | 10.132  | 1.3755 | 1.5847 | 48.152 | 9.0629 | .71947 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00114 | -.00222 | 261.02 | .06155 | .00078 | .00591 | 107.74 |
| #2 | -.00097 | -.00224 | 265.98 | .06072 | .00027 | .00629 | 107.88 |
| #3 | -.00117 | -.00265 | 268.12 | .06266 | .00054 | .00705 | 109.15 |

|        |        |        |         |         |         |        |        |
|--------|--------|--------|---------|---------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01548 | 279.92 | -.02127 | -.00414 | -.00421 | .00105 | .00158 |
| Stddev | .00005 | 3.33   | .00048  | .00049  | .01143  | .00027 | .00023 |
| %RSD   | .34812 | 1.1879 | 2.2434  | 11.922  | 271.67  | 25.391 | 14.651 |

|    |        |        |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|
| #1 | .01555 | 276.35 | -.02173 | -.00462 | -.01147 | .00134 | .00185 |
| #2 | .01544 | 280.50 | -.02077 | -.00416 | -.01011 | .00082 | .00145 |
| #3 | .01547 | 282.92 | -.02131 | -.00364 | .00896  | .00098 | .00145 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .09101 | -.00151 | .07316 | .01193 | .00165 | .01102 | -.00553 |
| Stddev | .00096 | .00044  | .00821 | .00236 | .00121 | .00079 | .00165  |
| %RSD   | 1.0502 | 29.018  | 11.215 | 19.806 | 73.292 | 7.2016 | 29.787  |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | .09054 | -.00188 | .08260 | .01437 | .00302 | .01013 | -.00377 |
| #2 | .09211 | -.00160 | .06920 | .01177 | .00120 | .01165 | -.00578 |
| #3 | .09039 | -.00103 | .06769 | .00965 | .00073 | .01127 | -.00704 |

Sample Name: ICSA01      Acquired: 1/15/2019 15:58:00      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |         |          |          |
|-----------|--------|---------|---------|----------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670   | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm      | ppm      |
| Avg       | .01456 | F .0211 | -.00955 | F 5.1900 | F<.00000 |
| Stddev    | .00282 | .0027   | .00047  | .1890    | 3.7379   |
| %RSD      | 19.361 | 12.81   | 4.9593  | 3.6408   | 1.3734   |
| #1        | .01666 | .0221   | -.00964 | 5.0734   | -276.34  |
| #2        | .01566 | .0180   | -.00904 | 5.0885   | -269.15  |
| #3        | .01136 | .0231   | -.00997 | 5.4080   | -270.97  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306   | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3083.5 | 38120.  | 3842.4  | 101.13   | 3092.6   |
| Stddev    | 7.7    | 62.     | 38.4    | .74      | 3.9      |
| %RSD      | .24840 | .16366  | .99971  | .72759   | .12577   |
| #1        | 3075.4 | 38147.  | 3876.4  | 100.72   | 3092.5   |
| #2        | 3084.3 | 38165.  | 3850.1  | 101.98   | 3088.7   |
| #3        | 3090.7 | 38049.  | 3800.7  | 100.69   | 3096.5   |

Sample Name: ICSAB01      Acquired: 1/15/2019 16:02:31      Type: Unk  
Method: P4-ICP2(v2743)      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    | .08521 | .10242 | .05012 | .05112 | .67840 | 290.60 | .57132 |
| Stddev | .00453 | .00219 | .00102 | .00464 | .00217 | 2.30   | .00578 |
| %RSD   | 5.3110 | 2.1404 | 2.0345 | 9.0846 | .31918 | .79019 | 1.0121 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .08333 | .10188 | .04897 | .04583 | .67611 | 288.36 | .57797 |
| #2 | .08194 | .10055 | .05093 | .05451 | .68042 | 292.95 | .56854 |
| #3 | .09038 | .10483 | .05045 | .05303 | .67865 | 290.50 | .56746 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .59233 | 1.0754 | 256.97 | .60811 | .54722 | .55249 | 103.42 |
| Stddev | .00152 | .0020  | 2.10   | .00193 | .00136 | .00053 | 1.21   |
| %RSD   | .25595 | .18947 | .81853 | .31738 | .24826 | .09639 | 1.1726 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .59091 | 1.0775 | 259.28 | .60592 | .54566 | .55258 | 104.21 |
| #2 | .59216 | 1.0735 | 256.48 | .60956 | .54789 | .55297 | 104.03 |
| #3 | .59392 | 1.0751 | 255.16 | .60884 | .54812 | .55192 | 102.03 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .58297 | 271.19 | 1.0537 | .22258 | .01501 | .56595 | 1.0970 |
| Stddev | .00079 | 1.98   | .0011  | .00253 | .00727 | .00369 | .0178  |
| %RSD   | .13580 | .72971 | .10213 | 1.1349 | 48.386 | .65265 | 1.6187 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .58219 | 273.35 | 1.0536 | .22361 | .01918 | .56214 | 1.1122 |
| #2 | .58294 | 269.46 | 1.0548 | .22443 | .00663 | .56951 | 1.1012 |
| #3 | .58377 | 270.76 | 1.0527 | .21970 | .01924 | .56621 | 1.0775 |

|        |        |          |          |          |          |          |          |
|--------|--------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7664 | Mo2020   | B_2496   | S_1820   | Si2881   | Sn1899   | Ti3361   |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .11383 | F 1.1119 | F 1.1729 | F 1.2490 | F 1.0117 | F 1.1215 | F 1.1142 |
| Stddev | .04256 | .0020    | .0209    | .0028    | .0131    | .0008    | .0040    |
| %RSD   | 37.389 | .18325   | 1.7827   | .22567   | 1.2932   | .06656   | .35886   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .15921 | 1.1140 | 1.1640 | 1.2496 | 1.0268 | 1.1217 | 1.1185 |
| #2 | .10748 | 1.1100 | 1.1580 | 1.2459 | 1.0033 | 1.1207 | 1.1134 |
| #3 | .07480 | 1.1118 | 1.1968 | 1.2515 | 1.0050 | 1.1221 | 1.1106 |

Sample Name: ICSAB01      Acquired: 1/15/2019 16:02:31      Type: Unk  
 Method: P4-ICP2(v2743)      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 1.2909 | F 1.240 | F 1.1089 | F 5.2392 | F<.00000 |
| Stddev | .0109    | .007    | .0099    | .3001    | 2.2719   |
| %RSD   | .84212   | .6045   | .89334   | 5.7287   | .87477   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | 1.3012 | 1.248 | 1.1203 | 5.1716 | -262.20 |
| #2 | 1.2920 | 1.233 | 1.1043 | 5.5674 | -257.75 |
| #3 | 1.2795 | 1.238 | 1.1021 | 4.9786 | -259.18 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3038.8 | 37889. | 3807.3 | 101.96 | 3062.4 |
| Stddev    | 3.8    | 140.   | 50.0   | 1.70   | 6.3    |
| %RSD      | .12394 | .36835 | 1.3142 | 1.6628 | .20445 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3036.3 | 37963. | 3750.0 | 100.56 | 3055.9 |
| #2 | 3043.1 | 37728. | 3829.4 | 101.48 | 3068.4 |
| #3 | 3036.9 | 37976. | 3842.4 | 103.85 | 3062.9 |

Sample Name: CCV01      Acquired: 1/15/2019 16:11:08      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |          |          |
|--------|--------|--------|--------|--------|--------|--------|----------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934   | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | 5.1462 | 5.1087 | 5.1488 | 5.1480 | 5.1814 | 10.402 | 10.360   | F .26313 |
| Stddev | .0140  | .0210  | .0223  | .0062  | .0072  | .072   | .076     | .00080   |
| %RSD   | .27251 | .41051 | .43269 | .11981 | .13978 | .68859 | .73604   | .30574   |
| #1     | 5.1338 | 5.1019 | 5.1514 | 5.1452 | 5.1803 | 10.441 | 10.283   | .26381   |
| #2     | 5.1433 | 5.1322 | 5.1696 | 5.1437 | 5.1748 | 10.320 | 10.435   | .26224   |
| #3     | 5.1614 | 5.0919 | 5.1253 | 5.1551 | 5.1892 | 10.446 | 10.362   | .26334   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576   | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | 2.5459 | 25.498 | 1.0379 | 2.5730 | 1.2963 | 5.1868 | F 2.6311 | 25.796   |
| Stddev | .0066  | .153   | .0011  | .0039  | .0044  | .0658  | .0054    | .168     |
| %RSD   | .25836 | .60007 | .10614 | .15291 | .34109 | 1.2688 | .20673   | .64999   |
| #1     | 2.5461 | 25.366 | 1.0392 | 2.5751 | 1.2960 | 5.2534 | 2.6373   | 25.604   |
| #2     | 2.5523 | 25.461 | 1.0372 | 2.5753 | 1.2921 | 5.1218 | 2.6272   | 25.912   |
| #3     | 2.5392 | 25.666 | 1.0374 | 2.5684 | 1.3009 | 5.1851 | 2.6288   | 25.872   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020   | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | 2.5515 | 1.3054 | 25.074 | 2.5878 | 2.6086 | 25.874 | 5.1655   | 5.0142   |
| Stddev | .0076  | .0013  | .170   | .0015  | .0271  | .160   | .0077    | .0499    |
| %RSD   | .29817 | .09554 | .67627 | .05691 | 1.0373 | .61947 | .14878   | .99442   |
| #1     | 2.5557 | 1.3042 | 24.908 | 2.5894 | 2.6384 | 25.695 | 5.1566   | 4.9568   |
| #2     | 2.5561 | 1.3067 | 25.247 | 2.5864 | 2.6021 | 26.004 | 5.1692   | 5.0394   |
| #3     | 2.5427 | 1.3054 | 25.066 | 2.5876 | 2.5854 | 25.924 | 5.1705   | 5.0465   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077   | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | 4.9634 | 5.1435 | 5.0940 | 5.1177 | 5.0627 | 5.062  | 5.1429   | F 4.1313 |
| Stddev | .0066  | .0435  | .0075  | .0465  | .0307  | .017   | .0321    | .0110    |
| %RSD   | .13306 | .84631 | .14657 | .90783 | .60624 | .3301  | .62415   | .26651   |
| #1     | 4.9688 | 5.1187 | 5.0884 | 5.0651 | 5.0279 | 5.059  | 5.1061   | 4.1207   |
| #2     | 4.9653 | 5.1938 | 5.1025 | 5.1532 | 5.0859 | 5.080  | 5.1651   | 4.1427   |
| #3     | 4.9560 | 5.1181 | 5.0911 | 5.1347 | 5.0743 | 5.047  | 5.1575   | 4.1304   |

Sample Name: CCV01      Acquired: 1/15/2019 16:11:08      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.8203 |
| Stddev | 3.1440   |
| %RSD   | 172.71   |

|    |         |
|----|---------|
| #1 | -1.8097 |
| #2 | 3.6787  |
| #3 | 3.5920  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3254.6 | 40696. | 3879.9 | 104.43 | 3374.7 |
| Stddev    | 4.0    | 115.   | 28.4   | 1.13   | 8.1    |
| %RSD      | .12397 | .28257 | .73192 | 1.0812 | .23861 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3252.9 | 40575. | 3896.3 | 103.17 | 3371.1 |
| #2 | 3259.2 | 40804. | 3847.1 | 104.75 | 3369.1 |
| #3 | 3251.7 | 40708. | 3896.4 | 105.36 | 3384.0 |

Sample Name: LLCCV01      Acquired: 1/15/2019 16:20:48      Type: Unk  
Method: P4-ICP2(v2743)      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    | .01905 | .04517   | .01348 | .02266 | .05683 | .10536 | .11432 | .00667   |
| Stddev | .00184 | .00105   | .00050 | .00230 | .00016 | .01402 | .00085 | .00010   |
| %RSD   | 9.6736 | 2.3197   | 3.7302 | 10.149 | .28902 | 13.307 | .74347 | 1.5225   |
| #1     | .01723 | .04623   | .01291 | .02144 | .05701 | .10256 | .11529 | .00658   |
| #2     | .01901 | .04413   | .01372 | .02123 | .05669 | .09295 | .11399 | .00665   |
| #3     | .02092 | .04514   | .01382 | .02531 | .05679 | .12057 | .11369 | .00678   |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00576 | 2.1236   | .01053 | .03423 | .02368 | .10853 | .02364 | 2.2678   |
| Stddev | .00006 | .0247    | .00013 | .00029 | .00013 | .01163 | .00022 | .0197    |
| %RSD   | 1.0382 | 1.1614   | 1.2300 | .84951 | .55428 | 10.717 | .92477 | .87047   |
| #1     | .00569 | 2.1520   | .01040 | .03457 | .02364 | .09822 | .02362 | 2.2543   |
| #2     | .00579 | 2.1102   | .01053 | .03407 | .02357 | .12114 | .02343 | 2.2587   |
| #3     | .00580 | 2.1085   | .01066 | .03405 | .02382 | .10622 | .02386 | 2.2905   |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04405 | F .01215 | 2.1452 | .04623 | .04676 | 2.3177 | .21668 | .11394   |
| Stddev | .00050 | .00044   | .0302  | .00060 | .00074 | .0470  | .00077 | .01129   |
| %RSD   | 1.1294 | 3.6116   | 1.4096 | 1.3080 | 1.5871 | 2.0280 | .35535 | 9.9057   |
| #1     | .04372 | .01222   | 2.1788 | .04652 | .04665 | 2.3148 | .21738 | .10714   |
| #2     | .04380 | .01255   | 2.1203 | .04554 | .04755 | 2.2723 | .21586 | .10771   |
| #3     | .04462 | .01168   | 2.1365 | .04664 | .04608 | 2.3662 | .21680 | .12697   |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02045 | .42873   | .04530 | .04509 | .01879 | .0195  | .02047 | F 2.0035 |
| Stddev | .00165 | .00314   | .00042 | .00225 | .00112 | .0006  | .00021 | .4444    |
| %RSD   | 8.0634 | .73151   | .93222 | 4.9828 | 5.9721 | 2.864  | 1.0109 | 22.180   |
| #1     | .02105 | .43220   | .04529 | .04510 | .01984 | .0192  | .02057 | 1.9868   |
| #2     | .01858 | .42788   | .04572 | .04733 | .01892 | .0192  | .02060 | 2.4559   |
| #3     | .02171 | .42610   | .04488 | .04283 | .01761 | .0201  | .02023 | 1.5677   |

Sample Name: LLCCV01      Acquired: 1/15/2019 16:20:48      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F .58785  
 Stddev      1.5715  
 %RSD      267.33

#1      1.2618  
 #2      1.7100  
 #3      -1.2083

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3338.1 | 42082. | 3874.4 | 109.74 | 3735.8 |
| Stddev    | 8.2    | 163.   | 33.5   | 1.40   | 29.4   |
| %RSD      | .24579 | .38755 | .86460 | 1.2751 | .78703 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3332.7 | 42261. | 3840.8 | 109.63 | 3716.7 |
| #2 | 3334.1 | 41942. | 3874.5 | 108.40 | 3721.0 |
| #3 | 3347.5 | 42044. | 3907.8 | 111.19 | 3769.6 |

Sample Name: CCB01      Acquired: 1/15/2019 16:25:15      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00164 | -.00047 | .00116  | -.00021 | .00073  | .00290  | .00458  | .00000   |
| Stddev | .00133  | .00019  | .00046  | .00240  | .00199  | .00520  | .00042  | .00005   |
| %RSD   | 81.099  | 40.449  | 39.690  | 1169.2  | 271.23  | 179.26  | 9.1024  | 2431.9   |
| #1     | -.00283 | -.00042 | .00068  | .00197  | .00114  | .00877  | .00448  | .00004   |
| #2     | -.00190 | -.00031 | .00160  | .00021  | .00248  | -.00111 | .00422  | -.00006  |
| #3     | -.00020 | -.00067 | .00119  | -.00279 | -.00143 | .00104  | .00503  | .00002   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00012 | -.00869 | -.00010 | .00008  | .00101  | -.00532 | -.00001 | -.03282  |
| Stddev | .00007  | .01066  | .00001  | .00020  | .00035  | .00373  | .00002  | .00709   |
| %RSD   | 56.617  | 122.71  | 5.2988  | 259.12  | 35.189  | 70.177  | 395.49  | 21.591   |
| #1     | -.00012 | -.01921 | -.00009 | .00000  | .00142  | -.00962 | .00002  | -.03419  |
| #2     | -.00006 | .00210  | -.00010 | .00030  | .00078  | -.00297 | -.00003 | -.02515  |
| #3     | -.00020 | -.00895 | -.00009 | -.00008 | .00082  | -.00336 | -.00001 | -.03912  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00043 | .00199  | -.04728 | .00007  | -.00004 | .14158  | -.00006 | .00829   |
| Stddev | .00049  | .00017  | .00672  | .00041  | .00006  | .05821  | .00017  | .00549   |
| %RSD   | 113.28  | 8.6108  | 14.221  | 548.20  | 154.59  | 41.114  | 272.73  | 66.225   |
| #1     | -.00028 | .00180  | -.04233 | -.00020 | -.00010 | .13516  | .00013  | .01161   |
| #2     | -.00097 | .00202  | -.05494 | .00054  | -.00000 | .08685  | -.00016 | .00195   |
| #3     | -.00004 | .00214  | -.04458 | -.00012 | -.00000 | .20274  | -.00017 | .01131   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00149  | .00275  | .00140  | .00097  | -.00423 | -.0010  | -.00015 | F 2.2926 |
| Stddev | .00258  | .00179  | .00044  | .00148  | .00069  | .0021   | .00002  | .3619    |
| %RSD   | 172.71  | 65.012  | 31.294  | 152.49  | 16.316  | 218.0   | 11.535  | 15.784   |
| #1     | -.00098 | .00069  | .00098  | .00110  | -.00468 | -.0006  | -.00016 | 1.9261   |
| #2     | .00417  | .00376  | .00186  | .00238  | -.00457 | .0009   | -.00015 | 2.3021   |
| #3     | .00129  | .00382  | .00136  | -.00057 | -.00343 | -.0033  | -.00013 | 2.6497   |

Sample Name: CCB01      Acquired: 1/15/2019 16:25:15      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 7.0674  
Stddev      4.6976  
%RSD      66.468

#1      1.8508  
#2      8.3881  
#3      10.963

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3351.0 | 42228. | 3901.5 | 111.36 | 3781.0 |
| Stddev    | 3.3    | 209.   | 22.9   | .61    | 11.4   |
| %RSD      | .09867 | .49590 | .58645 | .55027 | .30103 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3347.2 | 42469. | 3906.9 | 111.83 | 3793.7 |
| #2 | 3352.7 | 42114. | 3876.4 | 110.67 | 3777.7 |
| #3 | 3353.1 | 42100. | 3921.2 | 111.58 | 3771.7 |

Sample Name: LR CHECK 1      Acquired: 1/15/2019 16:29:50      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.21169 | .00137 | -.07320 | -.03893 | .03088 | 2017.7 | .00470 | -.00130 |
| Stddev | .00204  | .00437 | .00736  | .01211  | .00178 | 2.9    | .00173 | .00037  |
| %RSD   | .96218  | 319.20 | 10.050  | 31.102  | 5.7596 | .14198 | 36.855 | 28.335  |

|    |         |         |         |         |        |        |        |         |
|----|---------|---------|---------|---------|--------|--------|--------|---------|
| #1 | -.21383 | .00249  | -.07441 | -.02527 | .03136 | 2014.6 | .00596 | -.00171 |
| #2 | -.21144 | -.00345 | -.06532 | -.04317 | .03236 | 2020.2 | .00272 | -.00120 |
| #3 | -.20978 | .00507  | -.07988 | -.04835 | .02891 | 2018.5 | .00541 | -.00099 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.02771 | 1670.8 | -.00455 | .04711 | .38049 | 891.26 | .00796 | 1764.3 |
| Stddev | .00340  | 10.5   | .00072  | .00101 | .00553 | 24.02  | .00033 | 12.4   |
| %RSD   | 12.287  | .62778 | 15.915  | 2.1500 | 1.4536 | 2.6945 | 4.1608 | .70200 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.02814 | 1666.6 | -.00494 | .04758 | .37903 | 898.32 | .00830 | 1759.3 |
| #2 | -.02411 | 1663.0 | -.00371 | .04780 | .38661 | 864.50 | .00764 | 1755.2 |
| #3 | -.03088 | 1682.7 | -.00500 | .04595 | .37584 | 910.95 | .00796 | 1778.4 |

|        |         |         |        |        |        |        |         |        |
|--------|---------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.07815 | -.06220 | 1637.9 | .00566 | .07296 | 1065.3 | -.01189 | .50896 |
| Stddev | .00168  | .00352  | 8.7    | .00050 | .00197 | 8.7    | .00233  | .02267 |
| %RSD   | 2.1446  | 5.6540  | .53060 | 8.8006 | 2.7060 | .81640 | 19.589  | 4.4533 |

|    |         |         |        |        |        |        |         |        |
|----|---------|---------|--------|--------|--------|--------|---------|--------|
| #1 | -.07923 | -.06122 | 1647.1 | .00524 | .07343 | 1073.9 | -.01388 | .52626 |
| #2 | -.07899 | -.06610 | 1629.8 | .00621 | .07080 | 1056.5 | -.00933 | .48330 |
| #3 | -.07622 | -.05928 | 1636.6 | .00553 | .07466 | 1065.5 | -.01246 | .51732 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .34548 | .01443 | .08434 | -.06004 | .10444 | .1687  | -.96713 | 9.0362 |
| Stddev | .00878 | .00819 | .00287 | .00057  | .00118 | .0046  | .02647  | .2567  |
| %RSD   | 2.5412 | 56.765 | 3.3992 | .95390  | 1.1321 | 2.721  | 2.7368  | 2.8404 |

|    |        |        |        |         |        |       |         |        |
|----|--------|--------|--------|---------|--------|-------|---------|--------|
| #1 | .35400 | .00572 | .08297 | -.06025 | .10490 | .1677 | -.97482 | 8.7545 |
| #2 | .33646 | .01559 | .08242 | -.05939 | .10309 | .1647 | -.93767 | 9.0975 |
| #3 | .34599 | .02198 | .08764 | -.06047 | .10532 | .1737 | -.98891 | 9.2567 |

Sample Name: LR CHECK 1      Acquired: 1/15/2019 16:29:50      Type: Unk  
 Method: P4-ICP2(v2743)      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      -2894.9  
 #3      -2882.9

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2413.5 | 28407. | 3348.8 | 81.723 | 2079.9 |
| Stddev    | 2.2    | 74.    | 18.0   | 2.111  | 6.7    |
| %RSD      | .09027 | .26106 | .53634 | 2.5833 | .32391 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2412.5 | 28416. | 3355.2 | 81.100 | 2073.4 |
| #2 | 2412.1 | 28477. | 3362.7 | 84.075 | 2086.9 |
| #3 | 2416.0 | 28329. | 3328.6 | 79.992 | 2079.5 |

Sample Name: LR CHECK 2      Acquired: 1/15/2019 16:34:44      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.04247 | -.00913 | 252.82 | .02516 | -.05028 | 88.645 | 97.700 | -.00218 |
| Stddev | .00234  | .00129  | 1.08   | .00309 | .00148  | .233   | 1.695  | .00018  |
| %RSD   | 5.5209  | 14.165  | .42761 | 12.265 | 2.9357  | .26286 | 1.7353 | 8.3124  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.04508 | -.00796 | 252.04 | .02593 | -.05190 | 88.905 | 98.133 | -.00238 |
| #2 | -.04055 | -.01052 | 252.36 | .02176 | -.04994 | 88.573 | 95.831 | -.00214 |
| #3 | -.04177 | -.00891 | 254.05 | .02778 | -.04900 | 88.456 | 99.138 | -.00203 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01961 | 139.59 | -.12416 | -.01315 | 261.95 | 72.620 | 44.413 | 142.52 |
| Stddev | .00023  | .93    | .00073  | .00050  | .94    | .832   | .187   | 1.05   |
| %RSD   | 1.1490  | .66269 | .58607  | 3.8404  | .35873 | 1.1459 | .42074 | .73998 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.01935 | 140.59 | -.12415 | -.01371 | 262.96 | 71.661 | 44.507 | 143.71 |
| #2 | -.01971 | 138.76 | -.12343 | -.01299 | 261.11 | 73.047 | 44.535 | 141.73 |
| #3 | -.01977 | 139.44 | -.12489 | -.01274 | 261.77 | 73.152 | 44.198 | 142.11 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | 49.163 | .00903 | 151.18 | -.09394 | 38.181 | 67.514 | -.00596 | .05245 |
| Stddev | .104   | .00118 | 1.44   | .00035  | .419   | .516   | .00064  | .00252 |
| %RSD   | .21113 | 13.108 | .95000 | .36811  | 1.0965 | .76355 | 10.748  | 4.8002 |

|    |        |        |        |         |        |        |         |        |
|----|--------|--------|--------|---------|--------|--------|---------|--------|
| #1 | 49.055 | .01006 | 152.37 | -.09388 | 37.772 | 68.061 | -.00536 | .05344 |
| #2 | 49.172 | .00774 | 149.58 | -.09363 | 38.609 | 67.036 | -.00663 | .05433 |
| #3 | 49.262 | .00929 | 151.58 | -.09431 | 38.164 | 67.446 | -.00589 | .04959 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .46708 | .17507 | .01026 | .01660 | .00768 | .1159  | -.07697 | 6.5417 |
| Stddev | .00977 | .00500 | .00101 | .00170 | .00180 | .0061  | .00104  | .1587  |
| %RSD   | 2.0921 | 2.8581 | 9.7996 | 10.242 | 23.454 | 5.264  | 1.3463  | 2.4259 |

|    |        |        |        |        |        |       |         |        |
|----|--------|--------|--------|--------|--------|-------|---------|--------|
| #1 | .45657 | .18015 | .01109 | .01593 | .00636 | .1178 | -.07577 | 6.4024 |
| #2 | .47589 | .17490 | .00914 | .01853 | .00973 | .1091 | -.07751 | 6.7145 |
| #3 | .46878 | .17015 | .01055 | .01534 | .00696 | .1209 | -.07762 | 6.5084 |

Sample Name: LR CHECK 2      Acquired: 1/15/2019 16:34:44      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | .86750  |
| %RSD   | .57720  |

|    |         |
|----|---------|
| #1 | -150.48 |
| #2 | -151.05 |
| #3 | -149.35 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2167.4 | 37810. | 3746.7 | 96.249 | 2944.3 |
| Stddev    | 6.7    | 59.    | 23.6   | .761   | 6.7    |
| %RSD      | .30781 | .15579 | .62884 | .79050 | .22738 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2160.6 | 37756. | 3722.5 | 97.128 | 2945.1 |
| #2 | 2173.9 | 37800. | 3769.5 | 95.813 | 2950.5 |
| #3 | 2167.9 | 37873. | 3748.0 | 95.808 | 2937.2 |

Sample Name: K1007-01      Acquired: 1/15/2019 16:49:48      Type: Unk  
Method: P4-ICP2(v2743)      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    | .00548 | -.01276 | .11434 | .01464 | .00104 | 64.990 | .33888 |
| Stddev | .00435 | .00210  | .00241 | .00455 | .00090 | 1.032  | .00304 |
| %RSD   | 79.308 | 16.485  | 2.1099 | 31.060 | 86.279 | 1.5878 | .89701 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01047 | -.01146 | .11585 | .01989 | .00206 | 65.887 | .34200 |
| #2 | .00248 | -.01518 | .11560 | .01203 | .00034 | 65.223 | .33873 |
| #3 | .00350 | -.01162 | .11156 | .01200 | .00073 | 63.862 | .33593 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00189 | -.01007 | 20.210 | .34963 | .06513 | .20248 | 188.68 |
| Stddev | .00030 | .00012  | .188   | .00551 | .00058 | .00068 | .79    |
| %RSD   | 15.987 | 1.1844  | .93120 | 1.5756 | .89087 | .33351 | .42098 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00224 | -.01000 | 20.425 | .35473 | .06454 | .20305 | 188.00 |
| #2 | .00168 | -.01020 | 20.075 | .35039 | .06570 | .20267 | 189.55 |
| #3 | .00176 | -.00999 | 20.132 | .34379 | .06513 | .20173 | 188.50 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.4056 | 29.533 | .05480 | -.00584 | 2.8294 | .31596 | .67236 |
| Stddev | .0306  | .100   | .00094 | .00012  | .0124  | .00451 | .00399 |
| %RSD   | 1.2712 | .33748 | 1.7111 | 2.0444  | .43942 | 1.4282 | .59344 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.4351 | 29.564 | .05381 | -.00598 | 2.8436 | .32085 | .66891 |
| #2 | 2.4075 | 29.421 | .05491 | -.00579 | 2.8205 | .31508 | .67673 |
| #3 | 2.3741 | 29.613 | .05567 | -.00575 | 2.8241 | .31195 | .67143 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.3880 | .00490 | .19934 | 3.4604 | 2.8153 | .01137 | 1.6158 |
| Stddev | .0432  | .00014 | .00309 | .0135  | .0223  | .00047 | .0053  |
| %RSD   | .46029 | 2.8692 | 1.5519 | .39132 | .79364 | 4.1192 | .32809 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.4321 | .00504 | .19606 | 3.4535 | 2.8351 | .01091 | 1.6128 |
| #2 | 9.3861 | .00489 | .19975 | 3.4760 | 2.7911 | .01185 | 1.6127 |
| #3 | 9.3457 | .00476 | .20221 | 3.4517 | 2.8198 | .01134 | 1.6219 |

Sample Name: K1007-01      Acquired: 1/15/2019 16:49:48      Type: Unk  
Method: P4-ICP2(v2743)      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       | .08081 | 2.312  | -.12493 | <.00000 | F<.00000 |
| Stddev    | .00209 | .019   | .00088  | .47915  | 8.0915   |
| %RSD      | 2.5893 | .8269  | .70827  | 445.35  | 1.2687   |
| #1        | .07918 | 2.301  | -.12403 | .07885  | -645.27  |
| #2        | .08008 | 2.334  | -.12579 | .25032  | -629.19  |
| #3        | .08317 | 2.300  | -.12497 | -.65193 | -638.83  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 3518.8 | 44742. | 4330.9  | 107.84  | 3518.0   |
| Stddev    | 2.8    | 604.   | 22.1    | .63     | 11.6     |
| %RSD      | .07888 | 1.3493 | .51002  | .58494  | .33107   |
| #1        | 3516.6 | 44256. | 4308.0  | 108.39  | 3523.1   |
| #2        | 3518.0 | 44553. | 4332.7  | 107.15  | 3504.6   |
| #3        | 3521.9 | 45418. | 4352.0  | 107.98  | 3526.2   |

Sample Name: K1007-01DUP      Acquired: 1/15/2019 16:53:59      Type: Unk  
Method: P4-ICP2(v2743)      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    | .00443 | -.01268 | .10695 | .00929 | .00033 | 63.729 | .35026 |
| Stddev | .00349 | .00083  | .00067 | .00254 | .00073 | .398   | .00394 |
| %RSD   | 78.841 | 6.5701  | .62297 | 27.318 | 225.36 | .62464 | 1.1240 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00169 | -.01201 | .10643 | .00870 | .00113  | 63.465 | .35391 |
| #2 | .00837 | -.01361 | .10671 | .00710 | .00017  | 63.535 | .35077 |
| #3 | .00324 | -.01243 | .10770 | .01207 | -.00032 | 64.187 | .34609 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00221 | -.00944 | 19.736 | .35321 | .06337 | .19861 | 180.27 |
| Stddev | .00009 | .00019  | .068   | .00046 | .00040 | .00096 | 2.24   |
| %RSD   | 3.8714 | 2.0244  | .34463 | .13055 | .62996 | .48090 | 1.2425 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00226 | -.00962 | 19.776 | .35338 | .06292 | .19757 | 182.85 |
| #2 | .00211 | -.00947 | 19.775 | .35356 | .06370 | .19944 | 179.21 |
| #3 | .00225 | -.00924 | 19.658 | .35269 | .06348 | .19882 | 178.76 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.4203 | 28.334 | .05302 | -.00660 | 2.6286 | .31818 | .56984 |
| Stddev | .0056  | .036   | .00114 | .00040  | .0257  | .00065 | .00942 |
| %RSD   | .23045 | .12803 | 2.1558 | 6.0208  | .97946 | .20438 | 1.6537 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.4257 | 28.322 | .05192 | -.00643 | 2.6039 | .31787 | .58037 |
| #2 | 2.4146 | 28.375 | .05420 | -.00631 | 2.6266 | .31774 | .56697 |
| #3 | 2.4207 | 28.305 | .05293 | -.00705 | 2.6553 | .31893 | .56219 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.2357 | .00517 | .20009 | 3.5895 | 2.8258 | .00985 | 1.5591 |
| Stddev | .0123  | .00021 | .01862 | .0242  | .0354  | .00027 | .0066  |
| %RSD   | .13304 | 4.1168 | 9.3069 | .67307 | 1.2536 | 2.7420 | .42140 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.2252 | .00512 | .20503 | 3.5616 | 2.8416 | .00966 | 1.5531 |
| #2 | 9.2325 | .00499 | .21575 | 3.6039 | 2.8505 | .01016 | 1.5580 |
| #3 | 9.2492 | .00540 | .17950 | 3.6030 | 2.7852 | .00974 | 1.5661 |

Sample Name: K1007-01DUP      Acquired: 1/15/2019 16:53:59      Type: Unk  
Method: P4-ICP2(v2743)      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    | .08023 | 2.276  | -.11662 | <.00000 | F<.00000 |
| Stddev | .00221 | .011   | .00275  | .25306  | 4.5629   |
| %RSD   | 2.7485 | .4775  | 2.3617  | 29.142  | .72160   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .07878 | 2.267 | -.11978 | -.71501 | -634.71 |
| #2 | .07914 | 2.273 | -.11539 | -1.1605 | -635.22 |
| #3 | .08276 | 2.288 | -.11470 | -.72965 | -627.08 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3541.3 | 45081. | 4359.0 | 111.60 | 3541.3 |
| Stddev    | 11.8   | 146.   | 41.7   | 1.74   | 16.8   |
| %RSD      | .33423 | .32361 | .95618 | 1.5572 | .47419 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3552.4 | 44988. | 4320.1 | 109.66 | 3560.0 |
| #2 | 3528.9 | 45249. | 4354.0 | 112.10 | 3527.5 |
| #3 | 3542.5 | 45005. | 4403.0 | 113.03 | 3536.3 |

Sample Name: K1007-01LX5      Acquired: 1/15/2019 16:58:08      Type: Unk  
Method: P4-ICP2(v2743)      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    | .00234 | .00106 | .03824 | .00863 | -.00005 | 13.912 | .07873 |
| Stddev | .00301 | .00113 | .00104 | .00110 | .00233  | .032   | .00116 |
| %RSD   | 128.52 | 106.56 | 2.7091 | 12.762 | 4819.7  | .22900 | 1.4715 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .00581 | .00006 | .03933 | .00736 | -.00273 | 13.944 | .07996 |
| #2 | .00040 | .00229 | .03812 | .00931 | .00106  | 13.880 | .07765 |
| #3 | .00082 | .00083 | .03727 | .00922 | .00152  | 13.914 | .07859 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00099 | -.00179 | 4.4536 | .07959 | .01357 | .04713 | 38.372 |
| Stddev | .00009 | .00018  | .0211  | .00121 | .00008 | .00086 | .368   |
| %RSD   | 8.9854 | 9.8312  | .47485 | 1.5150 | .62204 | 1.8228 | .96024 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00109 | -.00160 | 4.4292 | .08096 | .01365 | .04750 | 37.997 |
| #2 | .00096 | -.00183 | 4.4653 | .07870 | .01348 | .04775 | 38.385 |
| #3 | .00092 | -.00194 | 4.4662 | .07911 | .01357 | .04615 | 38.734 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .54208 | 6.4108 | .01239 | -.00024 | .62538 | .07082 | .12711 |
| Stddev | .00087 | .0740  | .00052 | .00073  | .01202 | .00109 | .00082 |
| %RSD   | .16119 | 1.1543 | 4.1686 | 307.26  | 1.9225 | 1.5392 | .64128 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .54188 | 6.3821 | .01257 | -.00060 | .63830 | .07169 | .12780 |
| #2 | .54304 | 6.3554 | .01279 | -.00071 | .61452 | .07117 | .12621 |
| #3 | .54133 | 6.4948 | .01181 | .00060  | .62332 | .06960 | .12732 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3454 | .00174 | .04745 | .71476 | .62811 | .00305 | .34458 |
| Stddev | .0419  | .00013 | .01369 | .00701 | .00347 | .00036 | .00292 |
| %RSD   | 1.7878 | 7.5160 | 28.854 | .98130 | .55299 | 11.703 | .84707 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3028 | .00184 | .06252 | .72272 | .63205 | .00313 | .34369 |
| #2 | 2.3468 | .00159 | .03577 | .70947 | .62676 | .00336 | .34785 |
| #3 | 2.3866 | .00179 | .04407 | .71209 | .62551 | .00266 | .34222 |

Sample Name: K1007-01LX5      Acquired: 1/15/2019 16:58:08      Type: Unk  
 Method: P4-ICP2(v2743)      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    | .01759 | .4764  | -.02368 | 1.0758 | F<.00000 |
| Stddev | .00037 | .0061  | .00016  | .1741  | .61717   |
| %RSD   | 2.0876 | 1.279  | .65720  | 16.187 | .54215   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .01797 | .4830 | -.02350 | .93433 | -114.54 |
| #2 | .01724 | .4753 | -.02374 | 1.2703 | -113.38 |
| #3 | .01754 | .4709 | -.02379 | 1.0228 | -113.58 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3425.8 | 43295. | 4119.5 | 112.17 | 3732.5 |
| Stddev    | 13.0   | 178.   | 21.3   | .60    | 9.8    |
| %RSD      | .37999 | .41112 | .51655 | .53358 | .26157 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3413.0 | 43106. | 4095.2 | 111.93 | 3721.3 |
| #2 | 3425.3 | 43322. | 4134.7 | 112.85 | 3739.1 |
| #3 | 3439.0 | 43459. | 4128.6 | 111.73 | 3737.1 |

Sample Name: K1007-01MS      Acquired: 1/15/2019 17:02:30      Type: Unk  
Method: P4-ICP2(v2743)      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    | .66563 | 1.9254 | 1.0905 | 1.6353 | .16137 | 78.828 | .60686 |
| Stddev | .00420 | .0051  | .0054  | .0141  | .00134 | .106   | .00190 |
| %RSD   | .63168 | .26324 | .49174 | .86018 | .83325 | .13438 | .31370 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .66320 | 1.9205 | 1.0852 | 1.6191 | .16102 | 78.946 | .60876 |
| #2 | .66321 | 1.9251 | 1.0903 | 1.6435 | .16286 | 78.741 | .60495 |
| #3 | .67049 | 1.9307 | 1.0959 | 1.6434 | .16024 | 78.799 | .60688 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18756 | .18226 | 25.387 | .70444 | .28496 | .50232 | 200.58 |
| Stddev | .00122 | .00052 | .068   | .00170 | .00086 | .00102 | 5.59   |
| %RSD   | .64925 | .28560 | .26610 | .24152 | .30055 | .20301 | 2.7844 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18661 | .18198 | 25.320 | .70392 | .28459 | .50114 | 197.58 |
| #2 | .18713 | .18286 | 25.385 | .70634 | .28436 | .50284 | 197.14 |
| #3 | .18893 | .18194 | 25.455 | .70306 | .28594 | .50297 | 207.03 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3769 | 31.448 | .56602 | .06006 | 5.5680 | .57515 | .98045 |
| Stddev | .0073  | .164   | .00128 | .00164 | .0313  | .00115 | .02237 |
| %RSD   | .30818 | .52171 | .22530 | 2.7321 | .56181 | .20080 | 2.2818 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3717 | 31.630 | .56461 | .05830 | 5.5829 | .57587 | .96790 |
| #2 | 2.3738 | 31.312 | .56635 | .06033 | 5.5890 | .57382 | .96717 |
| #3 | 2.3853 | 31.401 | .56710 | .06155 | 5.5320 | .57577 | 1.0063 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 20.109 | .31721 | .48291 | 3.8850 | 2.9974 | .64922 | 1.7432 |
| Stddev | .125   | .00107 | .01891 | .0332  | .0225  | .00050 | .0022  |
| %RSD   | .62383 | .33759 | 3.9164 | .85502 | .75072 | .07734 | .12643 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 20.254 | .31628 | .48786 | 3.8501 | 3.0172 | .64969 | 1.7433 |
| #2 | 20.036 | .31695 | .46201 | 3.8889 | 2.9729 | .64869 | 1.7410 |
| #3 | 20.037 | .31838 | .49885 | 3.9162 | 3.0020 | .64927 | 1.7454 |

Sample Name: K1007-01MS      Acquired: 1/15/2019 17:02:30      Type: Unk  
Method: P4-ICP2(v2743)      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    | .28902 | 9.107  | .06254 | <.00000 | F<.00000 |
| Stddev | .00393 | .040   | .00536 | .13384  | 2.7699   |
| %RSD   | 1.3582 | .4407  | 8.5689 | 8.5746  | .37970   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .29006 | 9.064 | .06568 | -1.5502 | -729.08 |
| #2 | .29233 | 9.112 | .06559 | -1.4327 | -732.46 |
| #3 | .28468 | 9.144 | .05635 | -1.6998 | -726.96 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3675.9 | 46574. | 4491.9 | 110.21 | 3490.2 |
| Stddev    | 2.7    | 61.    | 10.0   | 2.63   | 5.7    |
| %RSD      | .07253 | .13121 | .22181 | 2.3860 | .16282 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3679.0 | 46545. | 4489.8 | 111.72 | 3495.6 |
| #2 | 3674.4 | 46644. | 4502.7 | 111.74 | 3490.6 |
| #3 | 3674.4 | 46533. | 4483.1 | 107.17 | 3484.3 |

Sample Name: K1007-01MSD      Acquired: 1/15/2019 17:06:31      Type: Unk  
Method: P4-ICP2(v2743)      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    | .65816 | 1.9289 | 1.0856 | 1.6303 | .16056 | 79.556 | .60461 |
| Stddev | .00257 | .0047  | .0050  | .0076  | .00078 | .351   | .00266 |
| %RSD   | .39014 | .24254 | .45875 | .46819 | .48520 | .44094 | .44038 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .65590 | 1.9244 | 1.0816 | 1.6286 | .16066 | 79.211 | .60171 |
| #2 | .66095 | 1.9287 | 1.0841 | 1.6237 | .16128 | 79.912 | .60695 |
| #3 | .65764 | 1.9337 | 1.0912 | 1.6387 | .15973 | 79.546 | .60518 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18759 | .18113 | 25.286 | .70762 | .28382 | .49831 | 204.80 |
| Stddev | .00019 | .00091 | .146   | .00223 | .00038 | .00097 | 2.72   |
| %RSD   | .10140 | .50086 | .57888 | .31460 | .13493 | .19416 | 1.3266 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18779 | .18053 | 25.142 | .70579 | .28378 | .49809 | 205.20 |
| #2 | .18756 | .18069 | 25.435 | .71010 | .28422 | .49937 | 207.30 |
| #3 | .18741 | .18218 | 25.280 | .70696 | .28346 | .49747 | 201.91 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3809 | 31.412 | .56619 | .06070 | 5.5019 | .57766 | .99723 |
| Stddev | .0063  | .014   | .00072 | .00130 | .0379  | .00052 | .01302 |
| %RSD   | .26416 | .04597 | .12636 | 2.1384 | .68821 | .08919 | 1.3054 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3850 | 31.395 | .56603 | .06030 | 5.4655 | .57808 | 1.0028 |
| #2 | 2.3841 | 31.420 | .56556 | .06216 | 5.5410 | .57781 | 1.0065 |
| #3 | 2.3737 | 31.420 | .56697 | .05965 | 5.4991 | .57709 | .98236 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 20.086 | .31642 | .49257 | 3.8673 | 2.9953 | .64859 | 1.7504 |
| Stddev | .070   | .00115 | .00106 | .0097  | .0109  | .00347 | .0127  |
| %RSD   | .34887 | .36465 | .21419 | .25105 | .36466 | .53468 | .72303 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 20.006 | .31567 | .49376 | 3.8596 | 3.0077 | .64459 | 1.7379 |
| #2 | 20.136 | .31775 | .49177 | 3.8640 | 2.9871 | .65075 | 1.7501 |
| #3 | 20.116 | .31585 | .49216 | 3.8782 | 2.9910 | .65042 | 1.7632 |

Sample Name: K1007-01MSD      Acquired: 1/15/2019 17:06:31      Type: Unk  
Method: P4-ICP2(v2743)      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    | .28699 | 9.091  | .05736 | <.00000 | F<.00000 |
| Stddev | .00367 | .017   | .00384 | .20262  | 9.1326   |
| %RSD   | 1.2775 | .1890  | 6.6873 | 23.696  | 1.2364   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .28276 | 9.076 | .05530 | -1.0759 | -730.07 |
| #2 | .28900 | 9.088 | .05500 | -.81144 | -737.52 |
| #3 | .28921 | 9.110 | .06179 | -.67779 | -748.24 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3694.4 | 46279. | 4510.1 | 108.67 | 3506.4 |
| Stddev    | 7.0    | 175.   | 17.1   | 1.58   | 4.3    |
| %RSD      | .18843 | .37781 | .37874 | 1.4510 | .12189 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3696.7 | 46287. | 4523.4 | 108.10 | 3504.6 |
| #2 | 3686.6 | 46100. | 4490.9 | 107.45 | 3503.3 |
| #3 | 3699.9 | 46449. | 4516.1 | 110.45 | 3511.3 |

Sample Name: K1007-01A      Acquired: 1/15/2019 17:10:31      Type: Unk  
 Method: P4-ICP2(v2743)      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    | .66264 | 1.9253 | 1.0816 | 1.6382 | .16246 | 78.908 | .60340 |
| Stddev | .00306 | .0107  | .0014  | .0020  | .00077 | .374   | .00526 |
| %RSD   | .46181 | .55629 | .12857 | .12305 | .47238 | .47445 | .87147 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .66512 | 1.9207 | 1.0806 | 1.6373 | .16166 | 78.476 | .60291 |
| #2 | .65922 | 1.9375 | 1.0810 | 1.6367 | .16319 | 79.140 | .59841 |
| #3 | .66359 | 1.9176 | 1.0832 | 1.6405 | .16253 | 79.108 | .60889 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18753 | .18166 | 25.243 | .70421 | .28306 | .50079 | 200.45 |
| Stddev | .00064 | .00042 | .181   | .00371 | .00060 | .00100 | 3.34   |
| %RSD   | .34362 | .23232 | .71516 | .52647 | .21224 | .19879 | 1.6651 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18719 | .18172 | 25.101 | .70066 | .28240 | .50181 | 198.10 |
| #2 | .18827 | .18122 | 25.182 | .70806 | .28357 | .49982 | 204.27 |
| #3 | .18713 | .18205 | 25.447 | .70391 | .28321 | .50074 | 198.98 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3741 | 31.089 | .56613 | .06101 | 5.4823 | .57524 | .97944 |
| Stddev | .0047  | .298   | .00122 | .00057 | .0289  | .00181 | .01347 |
| %RSD   | .19624 | .95802 | .21622 | .94096 | .52707 | .31473 | 1.3758 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3699 | 30.807 | .56567 | .06035 | 5.4686 | .57332 | .97346 |
| #2 | 2.3791 | 31.060 | .56521 | .06123 | 5.4628 | .57691 | .99487 |
| #3 | 2.3734 | 31.401 | .56752 | .06143 | 5.5155 | .57549 | .97000 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 19.976 | .31666 | .48369 | 3.8894 | 2.9624 | .64633 | 1.7271 |
| Stddev | .158   | .00011 | .01147 | .0069  | .0811  | .00242 | .0009  |
| %RSD   | .79280 | .03463 | 2.3719 | .17657 | 2.7361 | .37514 | .05470 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 19.996 | .31677 | .49018 | 3.8968 | 2.9406 | .64549 | 1.7271 |
| #2 | 19.808 | .31655 | .49045 | 3.8882 | 2.8946 | .64444 | 1.7280 |
| #3 | 20.123 | .31664 | .47045 | 3.8833 | 3.0522 | .64906 | 1.7261 |

Sample Name: K1007-01A      Acquired: 1/15/2019 17:10:31      Type: Unk  
Method: P4-ICP2(v2743)      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       | .28428 | 9.129  | .06137 | <.00000 | F<.00000 |
| Stddev    | .00135 | .015   | .00449 | .17202  | 6.9509   |
| %RSD      | .47395 | .1663  | 7.3105 | 13.351  | .94459   |
| #1        | .28576 | 9.111  | .06254 | -1.4342 | -735.44  |
| #2        | .28312 | 9.136  | .05642 | -1.0987 | -729.14  |
| #3        | .28397 | 9.139  | .06517 | -1.3323 | -743.02  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3678.2 | 46575. | 4517.7 | 110.39  | 3499.1   |
| Stddev    | 8.7    | 66.    | 36.3   | 1.40    | 3.3      |
| %RSD      | .23616 | .14230 | .80341 | 1.2661  | .09415   |
| #1        | 3668.9 | 46648. | 4525.0 | 110.98  | 3496.1   |
| #2        | 3686.1 | 46518. | 4549.7 | 108.79  | 3498.7   |
| #3        | 3679.5 | 46559. | 4478.3 | 111.40  | 3502.6   |

Sample Name: K1142-01      Acquired: 1/15/2019 17:14:32      Type: Unk  
Method: P4-ICP2(v2743)      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    | .00052 | -.01109 | .03228 | .00774 | -.00056 | 23.036 | .04052 |
| Stddev | .00162 | .00129  | .00169 | .00173 | .00058  | .056   | .00059 |
| %RSD   | 309.87 | 11.660  | 5.2463 | 22.396 | 103.62  | .24143 | 1.4484 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | .00158  | -.01233 | .03128 | .00693 | -.00030 | 22.982 | .04109 |
| #2 | -.00134 | -.01119 | .03424 | .00656 | -.00123 | 23.032 | .04057 |
| #3 | .00132  | -.00975 | .03133 | .00973 | -.00016 | 23.093 | .03992 |

|        |         |         |         |        |        |        |        |
|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00031 | -.00457 | -.11001 | .04359 | .00152 | .01753 | 83.389 |
| Stddev | .00010  | .00024  | .01857  | .00063 | .00032 | .00030 | 1.098  |
| %RSD   | 30.964  | 5.1724  | 16.880  | 1.4551 | 20.742 | 1.7019 | 1.3171 |

|    |         |         |         |        |        |        |        |
|----|---------|---------|---------|--------|--------|--------|--------|
| #1 | -.00041 | -.00483 | -.13104 | .04288 | .00186 | .01724 | 84.509 |
| #2 | -.00029 | -.00436 | -.10310 | .04411 | .00147 | .01784 | 82.314 |
| #3 | -.00022 | -.00451 | -.09589 | .04377 | .00123 | .01752 | 83.342 |

|        |        |        |         |         |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05686 | .13358 | -.01047 | -.00081 | .04961 | .06791 | .02912 |
| Stddev | .00004 | .05015 | .00041  | .00040  | .01054 | .00077 | .00032 |
| %RSD   | .07287 | 37.544 | 3.8716  | 48.848  | 21.244 | 1.1365 | 1.0976 |

|    |        |        |         |         |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|
| #1 | .05689 | .12005 | -.01076 | -.00079 | .06077 | .06705 | .02948 |
| #2 | .05688 | .18911 | -.01064 | -.00042 | .04823 | .06815 | .02897 |
| #3 | .05681 | .09158 | -.01001 | -.00121 | .03983 | .06854 | .02890 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.8144 | .00229 | .05695 | .52728 | 4.2220 | .00400 | 1.2267 |
| Stddev | .0389  | .00023 | .00516 | .00058 | .0292  | .00051 | .0093  |
| %RSD   | 2.1447 | 9.9640 | 9.0650 | .11052 | .69199 | 12.777 | .75720 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.8092 | .00242 | .05146 | .52739 | 4.2372 | .00361 | 1.2208 |
| #2 | 1.7783 | .00241 | .06170 | .52665 | 4.2406 | .00381 | 1.2218 |
| #3 | 1.8556 | .00202 | .05770 | .52780 | 4.1884 | .00458 | 1.2374 |

Sample Name: K1142-01      Acquired: 1/15/2019 17:14:32      Type: Unk  
 Method: P4-ICP2(v2743)      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       | -.00232 | .1777  | -.08857 | <.00000 | F<.00000 |
| Stddev    | .00054  | .0012  | .00116  | .21750  | 4.7880   |
| %RSD      | 23.167  | .6982  | 1.3072  | 40.798  | 1.7428   |
| #1        | -.00170 | .1781  | -.08977 | -.60012 | -272.48  |
| #2        | -.00268 | .1763  | -.08746 | -.29001 | -271.49  |
| #3        | -.00259 | .1787  | -.08848 | -.70925 | -280.23  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306  | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 3553.1  | 45294. | 4286.2  | 112.28  | 3772.4   |
| Stddev    | 7.3     | 93.    | 24.5    | 1.72    | 4.4      |
| %RSD      | .20572  | .20557 | .57237  | 1.5336  | .11792   |
| #1        | 3544.9  | 45379. | 4268.8  | 110.41  | 3767.2   |
| #2        | 3555.4  | 45194. | 4275.5  | 113.81  | 3775.0   |
| #3        | 3558.9  | 45310. | 4314.2  | 112.61  | 3774.9   |

Sample Name: PB116394BS      Acquired: 1/15/2019 17:18:55      Type: Unk  
Method: P4-ICP2(v2743)      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    | .80224 | 2.0598 | 1.0170 | 2.0615 | .83024 | 2.0457 | .21807 |
| Stddev | .00191 | .0045  | .0025  | .0029  | .00215 | .0182  | .00121 |
| %RSD   | .23870 | .21598 | .24376 | .13838 | .25923 | .88975 | .55520 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80004 | 2.0643 | 1.0185 | 2.0642 | .82951 | 2.0488 | .21715 |
| #2 | .80317 | 2.0554 | 1.0141 | 2.0585 | .82855 | 2.0262 | .21944 |
| #3 | .80351 | 2.0599 | 1.0183 | 2.0616 | .83266 | 2.0622 | .21763 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21219 | .19736 | 1.0412 | .43398 | .20650 | .33348 | 3.0619 |
| Stddev | .00036 | .00071 | .0154  | .00179 | .00124 | .00131 | .0542  |
| %RSD   | .17170 | .36072 | 1.4782 | .41191 | .60059 | .39188 | 1.7704 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21191 | .19773 | 1.0426 | .43227 | .20780 | .33215 | 2.9999 |
| #2 | .21205 | .19654 | 1.0252 | .43584 | .20533 | .33353 | 3.0856 |
| #3 | .21260 | .19781 | 1.0559 | .43383 | .20638 | .33476 | 3.1002 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22094 | 2.1062 | .51483 | .07920 | 3.1748 | .31763 | .21059 |
| Stddev | .00044 | .0268  | .00134 | .00029 | .0096  | .00017 | .00266 |
| %RSD   | .19782 | 1.2703 | .26063 | .37083 | .30208 | .05232 | 1.2608 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22045 | 2.0974 | .51564 | .07947 | 3.1760 | .31748 | .20766 |
| #2 | .22107 | 2.0850 | .51329 | .07888 | 3.1838 | .31781 | .21126 |
| #3 | .22130 | 2.1362 | .51558 | .07925 | 3.1647 | .31760 | .21284 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 11.054 | .42526 | .30780 | F -.00188 | .98398 | .70202 | .20517 |
| Stddev | .054   | .00042 | .01651 | .00048    | .00284 | .00293 | .00221 |
| %RSD   | .48847 | .09978 | 5.3651 | 25.301    | .28883 | .41675 | 1.0795 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 11.112 | .42527 | .29970 | -.00151 | .98632 | .70227 | .20586 |
| #2 | 11.043 | .42567 | .29690 | -.00171 | .98081 | .69898 | .20697 |
| #3 | 11.006 | .42482 | .32679 | -.00242 | .98480 | .70481 | .20270 |

Sample Name: PB116394BS      Acquired: 1/15/2019 17:18:55      Type: Unk  
 Method: P4-ICP2(v2743)      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       | .20882 | F 5.583 | .20078 | F 2.0032 | F<.00000 |
| Stddev    | .00104 | .021    | .00019 | .1922    | 5.4730   |
| %RSD      | .49730 | .3697   | .09293 | 9.5943   | 19.308   |
| #1        | .20941 | 5.575   | .20080 | 2.0168   | -34.305  |
| #2        | .20762 | 5.567   | .20096 | 2.1883   | -23.545  |
| #3        | .20943 | 5.606   | .20058 | 1.8046   | -27.187  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3366.0 | 42710.  | 3984.4 | 112.59   | 3761.1   |
| Stddev    | 4.3    | 169.    | 9.5    | 1.34     | 15.9     |
| %RSD      | .12630 | .39533  | .23724 | 1.1927   | .42262   |
| #1        | 3363.2 | 42870.  | 3989.9 | 114.13   | 3746.6   |
| #2        | 3363.9 | 42534.  | 3973.5 | 112.03   | 3778.1   |
| #3        | 3370.9 | 42727.  | 3989.9 | 111.63   | 3758.5   |

Sample Name: CCV02      Acquired: 1/15/2019 17:23:03      Type: Unk  
Method: P4-ICP2(v2743)      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    | 5.1301 | 5.0838 | 5.1029 | 5.1666 | 5.2509 | 10.442 | 10.550 | .26369   |
| Stddev | .0099  | .0096  | .0159  | .0048  | .0064  | .148   | .267   | .00037   |
| %RSD   | .19254 | .18868 | .31220 | .09368 | .12169 | 1.4203 | 2.5340 | .14053   |
| #1     | 5.1317 | 5.0771 | 5.1056 | 5.1686 | 5.2543 | 10.333 | 10.847 | .26400   |
| #2     | 5.1195 | 5.0795 | 5.0858 | 5.1702 | 5.2435 | 10.611 | 10.329 | .26328   |
| #3     | 5.1391 | 5.0948 | 5.1173 | 5.1611 | 5.2549 | 10.383 | 10.473 | .26378   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5150 | 25.359 | 1.0527 | 2.5572 | 1.2958 | 5.1580 | 2.6303 | 25.781   |
| Stddev | .0057  | .423   | .0043  | .0069  | .0008  | .0410  | .0013  | .381     |
| %RSD   | .22745 | 1.6691 | .40678 | .27127 | .05989 | .79458 | .04947 | 1.4765   |
| #1     | 2.5165 | 25.847 | 1.0483 | 2.5547 | 1.2966 | 5.2036 | 2.6309 | 26.210   |
| #2     | 2.5087 | 25.109 | 1.0568 | 2.5518 | 1.2951 | 5.1460 | 2.6288 | 25.484   |
| #3     | 2.5199 | 25.120 | 1.0529 | 2.5650 | 1.2955 | 5.1243 | 2.6312 | 25.650   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5362 | 1.3368 | 25.373 | 2.5952 | 2.6060 | 26.386 | 5.2091 | 4.9814   |
| Stddev | .0078  | .0056  | .680   | .0063  | .0445  | .689   | .0008  | .1177    |
| %RSD   | .30733 | .42005 | 2.6805 | .24443 | 1.7090 | 2.6118 | .01480 | 2.3624   |
| #1     | 2.5395 | 1.3303 | 26.098 | 2.5879 | 2.6574 | 27.163 | 5.2093 | 5.1173   |
| #2     | 2.5273 | 1.3401 | 24.750 | 2.5994 | 2.5831 | 25.851 | 5.2083 | 4.9134   |
| #3     | 2.5419 | 1.3398 | 25.272 | 2.5982 | 2.5776 | 26.143 | 5.2098 | 4.9134   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8726 | 5.1295 | 5.0175 | 5.1178 | 5.1233 | 5.058  | 5.1579 | F 4.0416 |
| Stddev | .0083  | .1426  | .0147  | .1125  | .1311  | .005   | .1324  | .0765    |
| %RSD   | .17052 | 2.7809 | .29253 | 2.1983 | 2.5594 | .1030  | 2.5664 | 1.8929   |
| #1     | 4.8666 | 5.2852 | 5.0170 | 5.2475 | 5.2641 | 5.058  | 5.3062 | 4.0035   |
| #2     | 4.8691 | 5.0052 | 5.0030 | 5.0475 | 5.0047 | 5.054  | 5.0517 | 4.1297   |
| #3     | 4.8821 | 5.0982 | 5.0323 | 5.0582 | 5.1011 | 5.064  | 5.1159 | 3.9917   |

Sample Name: CCV02      Acquired: 1/15/2019 17:23:03      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.0571  
Stddev      3.1601  
%RSD      298.95

#1      4.2778  
#2      .93214  
#3      -2.0387

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3232.2 | 40706. | 3900.3 | 104.49 | 3405.9 |
| Stddev    | 8.9    | 120.   | 111.3  | 1.98   | 9.4    |
| %RSD      | .27582 | .29380 | 2.8540 | 1.8903 | .27629 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3223.3 | 40739. | 3775.8 | 102.23 | 3395.5 |
| #2 | 3232.1 | 40573. | 3990.3 | 105.37 | 3413.9 |
| #3 | 3241.1 | 40806. | 3934.7 | 105.88 | 3408.4 |

Sample Name: CCB02      Acquired: 1/15/2019 17:27:02      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00382 | .00035 | F .00734 | .00162 | .00235 | -.00441 | .00211 |
| Stddev | .00190  | .00087 | .00182   | .00141 | .00178 | .01415  | .00078 |
| %RSD   | 49.770  | 247.54 | 24.821   | 86.762 | 75.899 | 321.05  | 36.671 |

|    |         |         |        |        |        |         |        |
|----|---------|---------|--------|--------|--------|---------|--------|
| #1 | -.00163 | .00112  | .00933 | .00176 | .00433 | -.00225 | .00142 |
| #2 | -.00480 | -.00060 | .00695 | .00015 | .00086 | .00854  | .00197 |
| #3 | -.00503 | .00053  | .00575 | .00296 | .00186 | -.01951 | .00295 |

|        |        |         |         |         |        |        |        |
|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00006 | -.00009 | -.00818 | -.00051 | .00008 | .00054 | .00399 |
| Stddev | .00003 | .00005  | .02033  | .00039  | .00005 | .00031 | .00660 |
| %RSD   | 42.125 | 50.341  | 248.63  | 75.867  | 65.369 | 57.110 | 165.38 |

|    |        |         |         |         |        |        |         |
|----|--------|---------|---------|---------|--------|--------|---------|
| #1 | .00008 | -.00004 | .01269  | -.00067 | .00005 | .00025 | -.00363 |
| #2 | .00006 | -.00010 | -.00928 | -.00079 | .00014 | .00051 | .00760  |
| #3 | .00003 | -.00014 | -.02793 | -.00007 | .00004 | .00086 | .00800  |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00010 | .00955 | .00065 | .00202 | .00545 | -.00021 | .00006 |
| Stddev | .00004 | .02262 | .00035 | .00064 | .01907 | .00032  | .00007 |
| %RSD   | 40.155 | 236.73 | 53.325 | 31.686 | 350.16 | 149.43  | 128.62 |

|    |        |         |        |        |         |         |        |
|----|--------|---------|--------|--------|---------|---------|--------|
| #1 | .00010 | .03425  | .00098 | .00250 | .02582  | -.00055 | .00014 |
| #2 | .00006 | -.01014 | .00070 | .00129 | .00249  | .00008  | .00001 |
| #3 | .00014 | .00455  | .00029 | .00225 | -.01197 | -.00017 | .00002 |

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .33892 | -.00008 | .00634 | -.00031 | .00494 | .00129 | .00060 |
| Stddev | .01785 | .00018  | .01197 | .00295  | .00200 | .00025 | .00173 |
| %RSD   | 5.2659 | 224.55  | 188.87 | 965.55  | 40.477 | 19.461 | 286.33 |

|    |        |         |         |         |        |        |         |
|----|--------|---------|---------|---------|--------|--------|---------|
| #1 | .32799 | -.00012 | -.00273 | -.00353 | .00704 | .00143 | -.00054 |
| #2 | .35951 | .00012  | .00184  | .00226  | .00473 | .00100 | -.00024 |
| #3 | .32925 | -.00023 | .01990  | .00035  | .00305 | .00145 | .00259  |

Sample Name: CCB02      Acquired: 1/15/2019 17:27:02      Type: Unk  
 Method: P4-ICP2(v2743)      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       | -.00267 | .0019  | -.00013 | F 1.9027 | F<.00000 |
| Stddev    | .00182  | .0011  | .00004  | .1561    | 2.6335   |
| %RSD      | 68.272  | 54.95  | 29.409  | 8.2052   | 30.701   |
| #1        | -.00151 | .0030  | -.00010 | 1.7274   | -10.915  |
| #2        | -.00173 | .0009  | -.00012 | 2.0268   | -5.7246  |
| #3        | -.00477 | .0019  | -.00017 | 1.9539   | -9.0934  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3397.4  | 42896. | 4044.7  | 112.40   | 3848.8   |
| Stddev    | 4.9     | 97.    | 26.7    | 1.72     | .4       |
| %RSD      | .14361  | .22645 | .65901  | 1.5265   | .01060   |
| #1        | 3391.8  | 42830. | 4044.8  | 110.47   | 3849.3   |
| #2        | 3401.1  | 43008. | 4018.0  | 113.74   | 3848.5   |
| #3        | 3399.1  | 42851. | 4071.3  | 112.99   | 3848.7   |

Sample Name: PB116396TB      Acquired: 1/15/2019 17:40:15      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00577 | -.00153  | .00395   | .00118  | .00262  | .00623  | -.00097 | -.00006 |
| Stddev | .00145  | .00076   | .00037   | .00059  | .00318  | .01170  | .00045  | .00008  |
| %RSD   | 25.067  | 49.378   | 9.4300   | 50.034  | 121.39  | 187.88  | 46.940  | 144.58  |
| #1     | -.00605 | -.00073  | .00373   | .00072  | .00137  | .00449  | -.00107 | .00004  |
| #2     | -.00420 | -.00163  | .00438   | .00097  | .00623  | -.00451 | -.00136 | -.00010 |
| #3     | -.00705 | -.00224  | .00373   | .00185  | .00025  | .01869  | -.00047 | -.00011 |
| Elem   | Cd2265  | Ca3736   | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00021 | .00751   | .00039   | .00016  | -.00014 | .00405  | .00002  | .00656  |
| Stddev | .00005  | .01703   | .00042   | .00052  | .00043  | .00366  | .00005  | .03792  |
| %RSD   | 21.262  | 226.71   | 107.80   | 325.21  | 298.87  | 90.346  | 221.30  | 578.10  |
| #1     | -.00020 | -.01198  | .00037   | -.00030 | .00029  | .00517  | -.00000 | .03679  |
| #2     | -.00018 | .01950   | .00082   | .00005  | -.00016 | .00702  | -.00001 | .01887  |
| #3     | -.00026 | .01502   | -.00002  | .00073  | -.00057 | -.00004 | .00007  | -.03598 |
| Elem   | Ni2316  | Ag3280   | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00284  | F .00558 | F 287.03 | .00015  | .00215  | .44417  | .00001  | .00884  |
| Stddev | .00015  | .00078   | 3.76     | .00033  | .00010  | .00215  | .00033  | .01103  |
| %RSD   | 5.2833  | 13.985   | 1.3108   | 215.53  | 4.5149  | .48369  | 5137.9  | 124.79  |
| #1     | .00288  | .00477   | 283.12   | -.00017 | .00216  | .44185  | -.00005 | -.00341 |
| #2     | .00267  | .00633   | 287.34   | .00014  | .00204  | .44608  | .00036  | .01193  |
| #3     | .00297  | .00565   | 290.63   | .00049  | .00224  | .44459  | -.00029 | .01800  |
| Elem   | S_1820  | Si2881   | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00759  | .00948   | .00324   | .00196  | -.00056 | .0022   | -.00026 | 4.5921  |
| Stddev | .00351  | .00431   | .00053   | .00150  | .00285  | .0005   | .00005  | .2904   |
| %RSD   | 46.281  | 45.497   | 16.223   | 76.624  | 504.10  | 24.09   | 18.042  | 6.3243  |
| #1     | .01037  | .00613   | .00303   | .00156  | -.00354 | .0026   | -.00021 | 4.3226  |
| #2     | .00876  | .00798   | .00384   | .00070  | -.00029 | .0025   | -.00029 | 4.8997  |
| #3     | .00364  | .01435   | .00286   | .00362  | .00213  | .0016   | -.00029 | 4.5540  |

Sample Name: PB116396TB      Acquired: 1/15/2019 17:40:15      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      4.4809  
%RSD      89.310

#1      -8.4808  
#2      .04339  
#3      -6.6144

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3165.2 | 39439. | 3981.5 | 109.69 | 3371.3 |
| Stddev    | 2.3    | 206.   | 27.0   | .95    | 10.2   |
| %RSD      | .07265 | .52237 | .67898 | .86549 | .30400 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3164.0 | 39618. | 3992.3 | 110.56 | 3360.5 |
| #2 | 3167.8 | 39214. | 4001.3 | 109.83 | 3372.6 |
| #3 | 3163.7 | 39485. | 3950.7 | 108.68 | 3380.9 |

Sample Name: PB116397BS      Acquired: 1/15/2019 17:44:53      Type: Unk  
Method: P4-ICP2(v2743)      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 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .81318 | 2.1125 | 1.0412 | 2.0496 | .86401 | 2.1090 | .22644 |
| Stddev | .00485 | .0025  | .0083  | .0055  | .00196 | .0114  | .00105 |
| %RSD   | .59631 | .11905 | .79677 | .26840 | .22738 | .54127 | .46272 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80812 | 2.1102 | 1.0359 | 2.0432 | .86239 | 2.1092 | .22548 |
| #2 | .81778 | 2.1121 | 1.0369 | 2.0521 | .86343 | 2.0975 | .22756 |
| #3 | .81365 | 2.1152 | 1.0507 | 2.0533 | .86619 | 2.1203 | .22630 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21079 | .20038 | 1.0765 | .45281 | .21504 | .34083 | 3.2759 |
| Stddev | .00070 | .00113 | .0052  | .00142 | .00105 | .00103 | .0568  |
| %RSD   | .33243 | .56238 | .48471 | .31394 | .48977 | .30328 | 1.7354 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21159 | .19940 | 1.0761 | .45265 | .21383 | .33970 | 3.3413 |
| #2 | .21027 | .20013 | 1.0820 | .45148 | .21553 | .34107 | 3.2474 |
| #3 | .21052 | .20161 | 1.0716 | .45431 | .21577 | .34172 | 3.2388 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22935 | 2.2277 | .53355 | .08036 | 3.3732 | .33283 | .21581 |
| Stddev | .00033 | .0388  | .00222 | .00073 | .0210  | .00048 | .00480 |
| %RSD   | .14403 | 1.7433 | .41526 | .91290 | .62248 | .14409 | 2.2257 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22971 | 2.1915 | .53099 | .07987 | 3.3674 | .33247 | .22133 |
| #2 | .22907 | 2.2229 | .53495 | .08001 | 3.3557 | .33265 | .21258 |
| #3 | .22927 | 2.2687 | .53470 | .08120 | 3.3964 | .33337 | .21353 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 11.595 | .45132 | .31177 | F .00235 | 1.0150 | .73067 | .21941 |
| Stddev | .053   | .00206 | .00974 | .00158   | .0062  | .00218 | .00113 |
| %RSD   | .46001 | .45616 | 3.1228 | 67.147   | .61226 | .29791 | .51579 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.534 | .44901 | .30635 | .00096 | 1.0216 | .72909 | .21840 |
| #2 | 11.633 | .45196 | .32301 | .00406 | 1.0093 | .72976 | .22063 |
| #3 | 11.618 | .45298 | .30595 | .00202 | 1.0141 | .73315 | .21919 |

Sample Name: PB116397BS      Acquired: 1/15/2019 17:44:53      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .22108 | 5.671  | .21106 | F 1.9932 | F<.00000 |
| Stddev | .00098 | .029   | .00067 | .2123    | 4.0458   |
| %RSD   | .44396 | .5084  | .31757 | 10.653   | 12.946   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21998 | 5.641 | .21032 | 1.8573 | -33.653 |
| #2 | .22187 | 5.672 | .21162 | 1.8844 | -33.520 |
| #3 | .22137 | 5.699 | .21125 | 2.2379 | -26.580 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3343.9 | 42908. | 3968.8 | 110.36 | 3741.2 |
| Stddev    | 13.7   | 169.   | 11.5   | 2.66   | 7.7    |
| %RSD      | .40972 | .39329 | .28941 | 2.4131 | .20475 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3339.4 | 42895. | 3961.1 | 107.29 | 3740.1 |
| #2 | 3333.0 | 43084. | 3963.2 | 111.73 | 3734.1 |
| #3 | 3359.3 | 42747. | 3982.0 | 112.06 | 3749.3 |

Sample Name: PB116396BS      Acquired: 1/15/2019 17:49:02      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB116396BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960   | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .78801 | 2.0376 | 1.0037 | 1.9936   | .83303 | 2.0775 | .21782 |
| Stddev | .00608 | .0030  | .0013  | .0074    | .00124 | .0110  | .00094 |
| %RSD   | .77206 | .14855 | .13092 | .37057   | .14838 | .53020 | .42989 |
| #1     | .78482 | 2.0402 | 1.0052 | 2.0014   | .83305 | 2.0703 | .21744 |
| #2     | .78419 | 2.0343 | 1.0027 | 1.9867   | .83179 | 2.0721 | .21712 |
| #3     | .79502 | 2.0383 | 1.0031 | 1.9927   | .83426 | 2.0902 | .21888 |
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .20653 | .19378 | 1.0625 | .43746   | .20572 | .32929 | 3.1727 |
| Stddev | .00029 | .00024 | .0311  | .00128   | .00077 | .00129 | .0183  |
| %RSD   | .14215 | .12384 | 2.9302 | .29248   | .37515 | .39228 | .57641 |
| #1     | .20678 | .19392 | 1.0268 | .43649   | .20529 | .32845 | 3.1685 |
| #2     | .20661 | .19391 | 1.0764 | .43698   | .20661 | .32863 | 3.1568 |
| #3     | .20621 | .19350 | 1.0842 | .43891   | .20527 | .33077 | 3.1927 |
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .22297 | 2.1408 | .51322 | .07890   | 3.2192 | .32174 | .20742 |
| Stddev | .00099 | .0331  | .00044 | .00056   | .0170  | .00130 | .00174 |
| %RSD   | .44461 | 1.5442 | .08565 | .70536   | .52880 | .40346 | .83940 |
| #1     | .22389 | 2.1542 | .51368 | .07844   | 3.2134 | .32093 | .20883 |
| #2     | .22310 | 2.1650 | .51319 | .07874   | 3.2058 | .32324 | .20548 |
| #3     | .22192 | 2.1031 | .51280 | .07952   | 3.2383 | .32104 | .20796 |
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 11.127 | .43259 | .30406 | F .05647 | .95687 | .70157 | .21159 |
| Stddev | .094   | .00116 | .00628 | .00251   | .00680 | .00221 | .00440 |
| %RSD   | .84522 | .26713 | 2.0652 | 4.4403   | .71030 | .31497 | 2.0775 |
| #1     | 11.086 | .43225 | .29927 | .05745   | .96100 | .70252 | .20976 |
| #2     | 11.060 | .43165 | .30174 | .05362   | .94902 | .69905 | .20840 |
| #3     | 11.234 | .43388 | .31117 | .05833   | .96057 | .70315 | .21661 |

Sample Name: PB116396BS      Acquired: 1/15/2019 17:49:02      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB116396BS      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .21059 | 5.491  | .20235 | F 1.9992 | F<.00000 |
| Stddev    | .00323 | .015   | .00058 | .1196    | 2.7442   |
| %RSD      | 1.5351 | .2637  | .28638 | 5.9821   | 7.6007   |
| #1        | .21094 | 5.504  | .20198 | 2.1156   | -38.608  |
| #2        | .20719 | 5.493  | .20205 | 1.8766   | -36.534  |
| #3        | .21362 | 5.476  | .20302 | 2.0055   | -33.170  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3344.4 | 42828. | 4045.4 | 111.97   | 3752.7   |
| Stddev    | 6.9    | 161.   | 22.5   | 1.08     | 8.1      |
| %RSD      | .20498 | .37521 | .55523 | .96252   | .21621   |
| #1        | 3346.3 | 42643. | 4024.8 | 110.94   | 3745.1   |
| #2        | 3350.0 | 42926. | 4069.3 | 113.09   | 3751.8   |
| #3        | 3336.7 | 42915. | 4042.0 | 111.88   | 3761.2   |

Sample Name: PB116397TB      Acquired: 1/15/2019 17:53:10      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00778  | -.00005  | .00182   | .00414  | .00165  | .01087  | -.00235 | -.00007 |
| Stddev | .00387   | .00146   | .00109   | .00396  | .00034  | .00249  | .00076  | .00003  |
| %RSD   | 49.723   | 2697.2   | 60.070   | 95.590  | 20.758  | 22.865  | 32.425  | 36.791  |
| #1     | -.00819  | -.00045  | .00092   | .00816  | .00193  | .00805  | -.00257 | -.00006 |
| #2     | -.01142  | .00156   | .00150   | .00403  | .00175  | .01272  | -.00299 | -.00006 |
| #3     | -.00372  | -.00127  | .00303   | .00024  | .00127  | .01184  | -.00151 | -.00010 |
| Elem   | Cd2265   | Ca3736   | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm      | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00027  | .00195   | .00038   | .00001  | -.00047 | .00158  | -.00002 | -.00773 |
| Stddev | .00006   | .00434   | .00014   | .00023  | .00083  | .01012  | .00003  | .02427  |
| %RSD   | 23.658   | 223.02   | 36.412   | 2397.2  | 175.45  | 641.27  | 156.21  | 313.98  |
| #1     | -.00025  | -.00251  | .00032   | .00020  | -.00024 | -.00784 | -.00001 | -.01695 |
| #2     | -.00022  | .00616   | .00054   | .00007  | .00021  | .00029  | .00000  | .01980  |
| #3     | -.00034  | .00219   | .00029   | -.00024 | -.00140 | .01228  | -.00005 | -.02604 |
| Elem   | Ni2316   | Ag3280   | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm      | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00252   | F .00574 | F 296.19 | .00060  | .00304  | .40315  | .00033  | -.00118 |
| Stddev | .00021   | .00057   | 4.29     | .00038  | .00020  | .04237  | .00036  | .00966  |
| %RSD   | 8.1769   | 9.8807   | 1.4478   | 63.276  | 6.4708  | 10.510  | 109.94  | 821.01  |
| #1     | .00229   | .00510   | 291.53   | .00061  | .00309  | .35563  | .00071  | .00974  |
| #2     | .00259   | .00617   | 299.96   | .00098  | .00282  | .41684  | .00027  | -.00463 |
| #3     | .00269   | .00595   | 297.08   | .00022  | .00320  | .43699  | .00000  | -.00864 |
| Elem   | S_1820   | Si2881   | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm      | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | F .01036 | .01044   | .00252   | .00123  | .00132  | .0010   | -.00025 | 4.7107  |
| Stddev | .00057   | .00035   | .00006   | .00158  | .00156  | .0003   | .00005  | .1208   |
| %RSD   | 5.4657   | 3.3964   | 2.3845   | 128.69  | 118.55  | 29.77   | 21.432  | 2.5651  |
| #1     | .01082   | .01015   | .00257   | .00222  | .00309  | .0012   | -.00031 | 4.7675  |
| #2     | .01052   | .01035   | .00252   | .00205  | .00076  | .0007   | -.00021 | 4.5720  |
| #3     | .00973   | .01084   | .00245   | -.00059 | .00011  | .0011   | -.00023 | 4.7928  |

Sample Name: PB116397TB      Acquired: 1/15/2019 17:53:10      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      1.8771  
%RSD      43.943

#1      -4.2241  
#2      -6.1722  
#3      -2.4189

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3166.7 | 39300. | 3937.6 | 108.31 | 3382.7 |
| Stddev    | 6.7    | 125.   | 16.3   | 2.06   | 6.6    |
| %RSD      | .21039 | .31800 | .41502 | 1.8977 | .19608 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3164.2 | 39315. | 3947.5 | 107.44 | 3390.3 |
| #2 | 3161.8 | 39169. | 3946.5 | 110.66 | 3379.1 |
| #3 | 3174.3 | 39417. | 3918.7 | 106.83 | 3378.6 |

Sample Name: PB116397BL      Acquired: 1/15/2019 17:57:48      Type: Unk  
Method: P4-ICP2(v2743)      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 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00262 | .00078 | .00195 | -.00010 | .00155 | -.01142 | .00012 |
| Stddev | .00219  | .00067 | .00051 | .00206  | .00098 | .00933  | .00065 |
| %RSD   | 83.667  | 85.137 | 26.117 | 2014.5  | 63.267 | 81.701  | 525.38 |

|    |         |        |        |         |        |         |         |
|----|---------|--------|--------|---------|--------|---------|---------|
| #1 | -.00194 | .00099 | .00181 | -.00079 | .00156 | -.02219 | .00087  |
| #2 | -.00085 | .00132 | .00251 | -.00173 | .00252 | -.00627 | -.00014 |
| #3 | -.00507 | .00004 | .00152 | .00221  | .00056 | -.00580 | -.00035 |

|        |        |         |         |        |        |        |         |
|--------|--------|---------|---------|--------|--------|--------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00007 | -.00018 | -.00412 | .00014 | .00037 | .00037 | -.00110 |
| Stddev | .00003 | .00001  | .00908  | .00040 | .00001 | .00050 | .01391  |
| %RSD   | 50.624 | 5.1967  | 220.22  | 282.03 | 3.2952 | 134.48 | 1260.9  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00004 | -.00017 | -.01301 | -.00007 | .00036 | .00059  | -.01588 |
| #2 | .00010 | -.00019 | .00514  | -.00011 | .00036 | .00073  | .01174  |
| #3 | .00006 | -.00018 | -.00449 | .00061  | .00038 | -.00020 | .00083  |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00013 | .01566 | .00101 | .00220 | .12756 | .00058 | .00002 |
| Stddev | .00007 | .05662 | .00044 | .00025 | .01637 | .00012 | .00005 |
| %RSD   | 56.764 | 361.61 | 44.160 | 11.317 | 12.831 | 20.678 | 291.82 |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | .00013 | -.00280 | .00115 | .00194 | .14646 | .00068 | -.00004 |
| #2 | .00020 | .07921  | .00051 | .00243 | .11801 | .00045 | .00003  |
| #3 | .00006 | -.02943 | .00136 | .00224 | .11820 | .00060 | .00006  |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .37173 | -.00034 | .00627 | .00321 | .00463 | .00015 | -.00148 |
| Stddev | .02776 | .00019  | .00679 | .00272 | .00217 | .00031 | .00167  |
| %RSD   | 7.4677 | 55.619  | 108.24 | 84.682 | 46.836 | 203.37 | 112.64  |

|    |        |         |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|---------|---------|
| #1 | .36255 | -.00023 | .01403 | .00411 | .00216 | -.00014 | -.00338 |
| #2 | .40292 | -.00024 | .00147 | .00015 | .00552 | .00011  | -.00079 |
| #3 | .34972 | -.00057 | .00331 | .00536 | .00621 | .00047  | -.00027 |

Sample Name: PB116397BL      Acquired: 1/15/2019 17:57:48      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |         |          |          |
|--------|---------|--------|---------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm     | ppm      | ppm      |
| Avg    | -.00364 | .0016  | -.00033 | F 1.2913 | F<.00000 |
| Stddev | .00208  | .0001  | .00011  | .3886    | 4.6655   |
| %RSD   | 57.033  | 4.234  | 32.910  | 30.093   | 46.587   |

|    |         |       |         |        |         |
|----|---------|-------|---------|--------|---------|
| #1 | -.00234 | .0016 | -.00038 | 1.4811 | -8.6742 |
| #2 | -.00255 | .0015 | -.00040 | 1.5484 | -15.203 |
| #3 | -.00604 | .0015 | -.00020 | .84425 | -6.1659 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3388.7 | 43248. | 3978.5 | 112.99 | 3858.2 |
| Stddev    | 9.2    | 102.   | 16.7   | .41    | 5.4    |
| %RSD      | .27175 | .23522 | .42058 | .36374 | .14004 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3389.1 | 43353. | 3961.2 | 113.35 | 3852.0 |
| #2 | 3379.3 | 43239. | 3979.6 | 112.54 | 3861.5 |
| #3 | 3397.7 | 43150. | 3994.6 | 113.08 | 3861.2 |

Sample Name: PB116394BL      Acquired: 1/15/2019 18:02:17      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |        |        |         |         |
|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.00241 | .00019 | .00175 | .00023 | .00109 | -.00195 | -.00090 |
| Stddev | .00203  | .00138 | .00046 | .00246 | .00051 | .00939  | .00083  |
| %RSD   | 84.437  | 719.52 | 26.175 | 1074.9 | 47.074 | 480.58  | 92.207  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00017 | .00013  | .00227 | -.00147 | .00106 | -.01222 | .00005  |
| #2 | -.00414 | -.00116 | .00159 | -.00089 | .00162 | .00619  | -.00126 |
| #3 | -.00292 | .00161  | .00140 | .00305  | .00059 | .00017  | -.00148 |

|        |        |         |         |         |        |        |        |
|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00003 | -.00017 | -.01102 | -.00000 | .00033 | .00011 | .00547 |
| Stddev | .00003 | .00005  | .02023  | .00047  | .00010 | .00033 | .00417 |
| %RSD   | 98.791 | 28.467  | 183.58  | 242980. | 29.511 | 301.11 | 76.327 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .00000 | -.00015 | -.01226 | -.00010 | .00044 | .00043  | .00171 |
| #2 | .00006 | -.00022 | -.03061 | .00051  | .00025 | -.00023 | .00473 |
| #3 | .00003 | -.00013 | .00980  | -.00041 | .00030 | .00014  | .00996 |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00007 | .01020 | .00127 | .00233 | .05356 | .00073 | -.00011 |
| Stddev | .00009 | .05099 | .00034 | .00013 | .00981 | .00018 | .00003  |
| %RSD   | 138.59 | 500.14 | 26.932 | 5.6594 | 18.317 | 24.586 | 22.121  |

|    |         |         |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|---------|
| #1 | .00010  | .04509  | .00166 | .00221 | .04638 | .00064 | -.00010 |
| #2 | -.00004 | -.04833 | .00101 | .00247 | .04957 | .00061 | -.00010 |
| #3 | .00013  | .03382  | .00114 | .00231 | .06474 | .00093 | -.00014 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .32470 | -.00026 | .00004 | .00131 | .00255 | .00020 | -.00087 |
| Stddev | .03513 | .00011  | .00822 | .00279 | .00275 | .00011 | .00249  |
| %RSD   | 10.818 | 43.125  | 18886. | 213.88 | 108.14 | 53.485 | 284.47  |

|    |        |         |         |         |        |        |         |
|----|--------|---------|---------|---------|--------|--------|---------|
| #1 | .35731 | -.00037 | -.00778 | .00453  | .00132 | .00032 | -.00147 |
| #2 | .32927 | -.00014 | -.00069 | -.00044 | .00570 | .00016 | .00186  |
| #3 | .28751 | -.00028 | .00860  | -.00017 | .00062 | .00012 | -.00300 |

Sample Name: PB116394BL      Acquired: 1/15/2019 18:02:17      Type: Unk  
Method: P4-ICP2(v2743)      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       | -.00443 | .0021  | -.00028 | F 1.1970 | F<.00000 |
| Stddev    | .00019  | .0013  | .00009  | .1019    | 1.2721   |
| %RSD      | 4.3050  | 61.02  | 31.141  | 8.5106   | 9.5316   |
| #1        | -.00458 | .0023  | -.00038 | 1.1199   | -13.300  |
| #2        | -.00422 | .0032  | -.00020 | 1.1586   | -12.097  |
| #3        | -.00450 | .0007  | -.00026 | 1.3125   | -14.640  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3396.3  | 43282. | 3994.6  | 110.46   | 3863.8   |
| Stddev    | 12.5    | 54.    | 4.8     | 1.65     | 9.3      |
| %RSD      | .36936  | .12381 | .12045  | 1.4917   | .24146   |
| #1        | 3390.1  | 43229. | 3992.9  | 112.15   | 3866.0   |
| #2        | 3388.1  | 43336. | 4000.0  | 108.86   | 3853.6   |
| #3        | 3410.8  | 43279. | 3990.8  | 110.37   | 3871.8   |

Sample Name: PB116396BL      Acquired: 1/15/2019 18:06:45      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB116396BL      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |         |
|--------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00175 | -.00104 | .00102 | -.00308 | .00179 | .00520 | -.00205 |
| Stddev | .00287  | .00121  | .00075 | .00268  | .00319 | .00785 | .00084  |
| %RSD   | 164.07  | 116.24  | 73.450 | 86.931  | 178.30 | 150.85 | 40.775  |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | .00097  | -.00209 | .00164 | -.00574 | .00212  | .01425 | -.00203 |
| #2 | -.00147 | -.00129 | .00122 | -.00039 | .00481  | .00037 | -.00291 |
| #3 | -.00476 | .00028  | .00019 | -.00311 | -.00156 | .00098 | -.00123 |

|        |        |         |         |        |        |         |        |
|--------|--------|---------|---------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00001 | -.00007 | -.00479 | .00011 | .00015 | -.00006 | .00096 |
| Stddev | .00003 | .00005  | .00460  | .00014 | .00042 | .00043  | .00737 |
| %RSD   | 350.46 | 71.101  | 96.168  | 127.30 | 276.31 | 681.72  | 770.87 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00004  | -.00006 | -.00145 | -.00003 | .00041  | -.00000 | -.00554 |
| #2 | -.00001 | -.00012 | -.01004 | .00025  | .00038  | -.00052 | -.00056 |
| #3 | -.00000 | -.00003 | -.00287 | .00012  | -.00033 | .00033  | .00897  |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00015 | .01865 | .00056 | .00198 | .04035 | .00059 | -.00007 |
| Stddev | .00001 | .01350 | .00030 | .00043 | .00495 | .00043 | .00006  |
| %RSD   | 6.7711 | 72.381 | 53.442 | 21.603 | 12.277 | 71.688 | 93.261  |

|    |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|---------|
| #1 | .00015 | .03331 | .00043 | .00197 | .03706 | .00092 | -.00014 |
| #2 | .00013 | .00673 | .00090 | .00155 | .04604 | .00011 | -.00004 |
| #3 | .00015 | .01592 | .00035 | .00241 | .03794 | .00075 | -.00002 |

|        |        |         |         |         |        |        |        |
|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .34529 | -.00034 | -.00611 | -.00011 | .00298 | .00014 | .00037 |
| Stddev | .05216 | .00017  | .00851  | .00198  | .00131 | .00012 | .00208 |
| %RSD   | 15.105 | 50.860  | 139.13  | 1811.9  | 44.068 | 80.383 | 558.31 |

|    |        |         |         |         |        |        |         |
|----|--------|---------|---------|---------|--------|--------|---------|
| #1 | .29883 | -.00027 | -.00653 | -.00240 | .00414 | .00001 | -.00202 |
| #2 | .33534 | -.00021 | .00259  | .00092  | .00156 | .00018 | .00148  |
| #3 | .40171 | -.00053 | -.01440 | .00115  | .00324 | .00024 | .00166  |

Sample Name: PB116396BL      Acquired: 1/15/2019 18:06:45      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB116396BL      Custom ID2:      Custom ID3:  
Comment:

|           |         |        |         |          |          |
|-----------|---------|--------|---------|----------|----------|
| Elem      | Li6707  | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm     | ppm    | ppm     | ppm      | ppm      |
| Avg       | -.00488 | .0026  | -.00039 | F 1.1307 | F<.00000 |
| Stddev    | .00186  | .0011  | .00008  | .2634    | 2.9669   |
| %RSD      | 38.037  | 43.47  | 21.181  | 23.292   | 21.576   |
| #1        | -.00297 | .0035  | -.00037 | 1.4218   | -11.699  |
| #2        | -.00499 | .0013  | -.00032 | .90893   | -12.401  |
| #3        | -.00667 | .0029  | -.00048 | 1.0614   | -17.153  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3402.9  | 43446. | 4003.7  | 112.84   | 3885.3   |
| Stddev    | 4.8     | 188.   | 4.9     | .86      | 5.5      |
| %RSD      | .14194  | .43239 | .12238  | .76108   | .14077   |
| #1        | 3400.3  | 43234. | 4003.4  | 113.34   | 3881.0   |
| #2        | 3408.5  | 43512. | 3999.0  | 113.33   | 3883.4   |
| #3        | 3399.9  | 43592. | 4008.8  | 111.85   | 3891.5   |

Sample Name: K1140-01      Acquired: 1/15/2019 18:11:12      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00428 | -.00152 | .05604 | .00244 | .00163 | 1.4875 | .05339 |
| Stddev | .00161  | .00214  | .00133 | .00373 | .00013 | .0241  | .00137 |
| %RSD   | 37.555  | 140.95  | 2.3689 | 152.91 | 7.9912 | 1.6199 | 2.5575 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00581 | -.00003 | .05498 | -.00126 | .00148 | 1.4773 | .05485 |
| #2 | -.00261 | -.00055 | .05753 | .00621  | .00172 | 1.4703 | .05215 |
| #3 | -.00443 | -.00397 | .05561 | .00238  | .00169 | 1.5151 | .05316 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00001 | -.00056 | 47.563 | .00546 | .00242 | .03924 | 10.705 |
| Stddev | .00006  | .00003  | .178   | .00036 | .00009 | .00048 | .082   |
| %RSD   | 729.17  | 5.9959  | .37436 | 6.6558 | 3.5913 | 1.2287 | .76535 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00008 | -.00052 | 47.732 | .00526 | .00237 | .03890 | 10.734 |
| #2 | .00000  | -.00059 | 47.377 | .00523 | .00237 | .03902 | 10.612 |
| #3 | .00005  | -.00057 | 47.580 | .00588 | .00252 | .03979 | 10.768 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .26074 | 4.6743 | .00593 | .00086 | 60.745 | .00539 | .64080 |
| Stddev | .00044 | .0119  | .00021 | .00007 | .432   | .00034 | .00956 |
| %RSD   | .16905 | .25393 | 3.5006 | 8.6733 | .71138 | 6.3767 | 1.4913 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .26090 | 4.6614 | .00590 | .00094 | 61.226 | .00575 | .65135 |
| #2 | .26024 | 4.6848 | .00575 | .00085 | 60.621 | .00507 | .63271 |
| #3 | .26108 | 4.6765 | .00616 | .00079 | 60.389 | .00534 | .63835 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.1730 | .00209 | .03378 | 1.9158 | 5.9967 | .00307 | .05956 |
| Stddev | .0217  | .00043 | .01569 | .0020  | .0515  | .00081 | .00242 |
| %RSD   | .52119 | 20.766 | 46.464 | .10658 | .85926 | 26.240 | 4.0700 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.1489 | .00186 | .04212 | 1.9170 | 6.0561 | .00231 | .06235 |
| #2 | 4.1910 | .00259 | .04354 | 1.9135 | 5.9687 | .00299 | .05840 |
| #3 | 4.1792 | .00182 | .01567 | 1.9170 | 5.9651 | .00391 | .05794 |

Sample Name: K1140-01      Acquired: 1/15/2019 18:11:12      Type: Unk  
Method: P4-ICP2(v2743)      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    | .00556 | 1.037  | .15210 | 2.2647 | F<.00000 |
| Stddev | .00117 | .002   | .00047 | .0614  | 3.5951   |
| %RSD   | 21.033 | .1442  | .31003 | 2.7094 | 21.369   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00676 | 1.036 | .15255 | 2.1968 | -12.914 |
| #2 | .00442 | 1.039 | .15215 | 2.2813 | -19.986 |
| #3 | .00551 | 1.036 | .15161 | 2.3161 | -17.571 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3335.4 | 42664. | 4107.5 | 112.28 | 3677.7 |
| Stddev    | 12.3   | 53.    | 44.8   | 1.47   | 15.3   |
| %RSD      | .36940 | .12330 | 1.0908 | 1.3129 | .41689 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3349.4 | 42629. | 4055.9 | 110.64 | 3695.2 |
| #2 | 3326.4 | 42725. | 4129.9 | 113.50 | 3666.7 |
| #3 | 3330.3 | 42638. | 4136.7 | 112.68 | 3671.1 |

Sample Name: K1140-01DUP      Acquired: 1/15/2019 18:15:34      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00344 | -.00078 | .05763 | .00018 | .00190 | 1.5517 | .05463 |
| Stddev | .00254  | .00046  | .00089 | .00379 | .00136 | .0245  | .00147 |
| %RSD   | 73.856  | 58.833  | 1.5489 | 2158.4 | 71.861 | 1.5783 | 2.6875 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00637 | -.00037 | .05704 | -.00333 | .00324 | 1.5265 | .05515 |
| #2 | -.00182 | -.00069 | .05865 | .00420  | .00193 | 1.5755 | .05576 |
| #3 | -.00213 | -.00128 | .05719 | -.00034 | .00052 | 1.5531 | .05297 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | -.00053 | 48.726 | .00578 | .00273 | .03980 | 10.840 |
| Stddev | .00007  | .00013  | .631   | .00056 | .00009 | .00077 | .191   |
| %RSD   | 92.399  | 24.176  | 1.2957 | 9.6273 | 3.4441 | 1.9381 | 1.7588 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00014 | -.00054 | 49.412 | .00617 | .00265 | .04067 | 10.936 |
| #2 | -.00006 | -.00040 | 48.597 | .00514 | .00283 | .03923 | 10.620 |
| #3 | -.00001 | -.00066 | 48.169 | .00603 | .00271 | .03949 | 10.964 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .26947 | 4.8300 | .00597 | .00132 | 62.475 | .00537 | .63626 |
| Stddev | .00039 | .0262  | .00055 | .00051 | .620   | .00075 | .01796 |
| %RSD   | .14477 | .54195 | 9.2868 | 38.706 | .99296 | 13.960 | 2.8225 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .26971 | 4.8101 | .00627 | .00077 | 62.927 | .00456 | .65628 |
| #2 | .26967 | 4.8596 | .00631 | .00140 | 62.731 | .00550 | .62155 |
| #3 | .26902 | 4.8202 | .00533 | .00178 | 61.768 | .00605 | .63096 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.3336 | .00223 | .04180 | 1.8781 | 6.0427 | .00267 | .06593 |
| Stddev | .0486  | .00038 | .00627 | .0079  | .0996  | .00049 | .00385 |
| %RSD   | 1.1209 | 17.121 | 15.011 | .42157 | 1.6490 | 18.372 | 5.8414 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.3895 | .00186 | .04523 | 1.8693 | 6.1564 | .00242 | .06579 |
| #2 | 4.3093 | .00220 | .03455 | 1.8845 | 6.0007 | .00235 | .06986 |
| #3 | 4.3019 | .00262 | .04560 | 1.8805 | 5.9709 | .00323 | .06216 |

Sample Name: K1140-01DUP      Acquired: 1/15/2019 18:15:34      Type: Unk  
Method: P4-ICP2(v2743)      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    | .00644 | 1.056  | .15829 | 2.5414 | F<.00000 |
| Stddev | .00219 | .002   | .00042 | .1625  | 1.1041   |
| %RSD   | 33.968 | .2122  | .26537 | 6.3934 | 7.2443   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00684 | 1.057 | .15856 | 2.6643 | -14.575 |
| #2 | .00408 | 1.054 | .15851 | 2.3572 | -14.631 |
| #3 | .00840 | 1.058 | .15781 | 2.6026 | -16.515 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3314.7 | 42248. | 4174.7 | 115.33 | 3651.1 |
| Stddev    | 8.9    | 152.   | 62.7   | 2.87   | 15.1   |
| %RSD      | .26849 | .36019 | 1.5029 | 2.4889 | .41308 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3323.9 | 42307. | 4110.2 | 112.24 | 3668.4 |
| #2 | 3314.2 | 42076. | 4178.6 | 117.91 | 3643.6 |
| #3 | 3306.1 | 42362. | 4235.5 | 115.83 | 3641.2 |

Sample Name: K1140-01LX5      Acquired: 1/15/2019 18:19:55      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00361 | -.00034 | .01301 | -.00184 | .00159 | .29176 | .01032 |
| Stddev | .00193  | .00028  | .00025 | .00412  | .00073 | .00632 | .00034 |
| %RSD   | 53.412  | 83.104  | 1.9571 | 224.02  | 45.957 | 2.1652 | 3.2858 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00450 | -.00009 | .01305 | -.00545 | .00133 | .28447 | .01060 |
| #2 | -.00493 | -.00029 | .01274 | .00266  | .00102 | .29524 | .01043 |
| #3 | -.00140 | -.00065 | .01324 | -.00273 | .00242 | .29557 | .00994 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00004 | -.00026 | 9.8716 | .00120 | .00077 | .00843 | 2.1580 |
| Stddev | .00007 | .00004  | .0251  | .00044 | .00021 | .00013 | .0314  |
| %RSD   | 182.30 | 14.461  | .25405 | 36.871 | 27.012 | 1.5483 | 1.4556 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | .00001  | -.00025 | 9.8470 | .00136 | .00055 | .00832 | 2.1941 |
| #2 | -.00001 | -.00023 | 9.8705 | .00070 | .00096 | .00839 | 2.1425 |
| #3 | .00011  | -.00031 | 9.8972 | .00155 | .00082 | .00857 | 2.1373 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05546 | .97264 | .00191 | .00283 | 12.427 | .00192 | .12995 |
| Stddev | .00022 | .01984 | .00022 | .00082 | .063   | .00050 | .00226 |
| %RSD   | .39830 | 2.0400 | 11.753 | 28.922 | .50714 | 25.781 | 1.7376 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .05530 | .95198 | .00166 | .00188 | 12.416 | .00220 | .13232 |
| #2 | .05537 | .97438 | .00209 | .00327 | 12.371 | .00135 | .12782 |
| #3 | .05571 | .99155 | .00198 | .00333 | 12.495 | .00222 | .12970 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1186 | .00020 | .00362 | .37116 | 1.2476 | .00114 | .01290 |
| Stddev | .0224  | .00030 | .00681 | .00918 | .0080  | .00023 | .00504 |
| %RSD   | 1.9993 | 148.23 | 187.92 | 2.4737 | .64412 | 20.531 | 39.052 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 1.0932 | .00002 | -.00420 | .38058 | 1.2463 | .00087 | .01728 |
| #2 | 1.1354 | .00004 | .00819  | .37068 | 1.2403 | .00131 | .01403 |
| #3 | 1.1271 | .00055 | .00688  | .36223 | 1.2562 | .00123 | .00739 |

Sample Name: K1140-01LX5      Acquired: 1/15/2019 18:19:55      Type: Unk  
 Method: P4-ICP2(v2743)      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    | -.00137 | .2035  | .03098 | 2.8528 | F<.00000 |
| Stddev | .00110  | .0017  | .00012 | .1195  | 2.0629   |
| %RSD   | 80.239  | .8509  | .38969 | 4.1893 | 12.739   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.00254 | .2019 | .03101 | 2.9906 | -13.825 |
| #2 | -.00123 | .2033 | .03084 | 2.7775 | -17.595 |
| #3 | -.00035 | .2054 | .03108 | 2.7903 | -17.162 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3306.2 | 41923. | 3992.9 | 110.71 | 3748.4 |
| Stddev    | 7.0    | 56.    | 18.0   | 1.69   | 16.0   |
| %RSD      | .21226 | .13398 | .45021 | 1.5229 | .42564 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3302.5 | 41975. | 3997.7 | 108.93 | 3735.3 |
| #2 | 3301.8 | 41930. | 4008.0 | 112.28 | 3743.8 |
| #3 | 3314.3 | 41863. | 3973.0 | 110.92 | 3766.2 |

Sample Name: CCV03      Acquired: 1/15/2019 18:24:19      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1004 | 5.0740 | 5.0701 | 5.1424 | 5.2580 | 10.449 | 10.532 |
| Stddev | .0108  | .0123  | .0144  | .0063  | .0066  | .082   | .046   |
| %RSD   | .21235 | .24159 | .28306 | .12356 | .12534 | .78047 | .43361 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.0883 | 5.0611 | 5.0561 | 5.1431 | 5.2509 | 10.438 | 10.566 |
| #2 | 5.1035 | 5.0854 | 5.0847 | 5.1357 | 5.2638 | 10.374 | 10.550 |
| #3 | 5.1093 | 5.0757 | 5.0694 | 5.1484 | 5.2593 | 10.536 | 10.480 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .26374 | 2.5038 | 24.967 | 1.0518 | 2.5418 | 1.2911 | 5.0062 |
| Stddev | .00066 | .0066  | .038   | .0011  | .0089  | .0024  | .0856  |
| %RSD   | .25148 | .26285 | .15320 | .10323 | .35227 | .18233 | 1.7107 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .26368 | 2.4996 | 24.991 | 1.0526 | 2.5340 | 1.2914 | 4.9286 |
| #2 | .26310 | 2.5114 | 24.922 | 1.0523 | 2.5516 | 1.2933 | 4.9921 |
| #3 | .26443 | 2.5005 | 24.986 | 1.0506 | 2.5397 | 1.2886 | 5.0981 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6376 | 25.459 | 2.5420 | 1.3370 | 25.215 | 2.6162 | 2.5394 |
| Stddev | .0022  | .069   | .0082  | .0032  | .087   | .0048  | .0228  |
| %RSD   | .08229 | .26926 | .32406 | .23833 | .34584 | .18430 | .89718 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6394 | 25.538 | 2.5364 | 1.3406 | 25.307 | 2.6204 | 2.5302 |
| #2 | 2.6382 | 25.415 | 2.5515 | 1.3351 | 25.204 | 2.6174 | 2.5227 |
| #3 | 2.6352 | 25.424 | 2.5382 | 1.3351 | 25.133 | 2.6109 | 2.5654 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 26.206 | 5.2070 | 4.9329 | 4.8303 | 5.1079 | 5.0044 | 5.0242 |
| Stddev | .109   | .0095  | .0108  | .0083  | .0264  | .0103  | .0024  |
| %RSD   | .41448 | .18286 | .21880 | .17268 | .51610 | .20636 | .04808 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 26.327 | 5.2028 | 4.9253 | 4.8222 | 5.1328 | 4.9925 | 5.0270 |
| #2 | 26.174 | 5.2179 | 4.9282 | 4.8298 | 5.1105 | 5.0101 | 5.0228 |
| #3 | 26.116 | 5.2003 | 4.9453 | 4.8389 | 5.0803 | 5.0107 | 5.0228 |

Sample Name: CCV03      Acquired: 1/15/2019 18:24:19      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | 5.0894 | 5.035  | 5.0810 | F 4.0404 | F<.00000 |
| Stddev    | .0233  | .008   | .0166  | .1224    | 3.1056   |
| %RSD      | .45752 | .1629  | .32655 | 3.0288   | 101.41   |
| #1        | 5.1118 | 5.030  | 5.0929 | 4.1115   | -5.7753  |
| #2        | 5.0909 | 5.045  | 5.0881 | 4.1107   | .32501   |
| #3        | 5.0653 | 5.030  | 5.0620 | 3.8991   | -3.7370  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3227.7 | 40623. | 3903.1 | 106.37   | 3421.2   |
| Stddev    | 11.5   | 141.   | 19.9   | .75      | 16.7     |
| %RSD      | .35724 | .34711 | .50934 | .70366   | .48716   |
| #1        | 3232.9 | 40460. | 3883.5 | 106.89   | 3430.0   |
| #2        | 3214.4 | 40691. | 3902.5 | 106.71   | 3402.0   |
| #3        | 3235.6 | 40716. | 3923.2 | 105.52   | 3431.6   |

Sample Name: CCB03      Acquired: 1/15/2019 18:28:18      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00391 | .00117 | .00317 | -.00011 | .00281 | -.01007 | -.00144 | .00002 |
| Stddev | .00180  | .00024 | .00025 | .00270  | .00069 | .00341  | .00152  | .00006 |
| %RSD   | 46.020  | 20.252 | 7.9514 | 2466.1  | 24.760 | 33.828  | 105.40  | 280.07 |

|    |         |        |        |         |        |         |         |         |
|----|---------|--------|--------|---------|--------|---------|---------|---------|
| #1 | -.00470 | .00127 | .00290 | .00210  | .00212 | -.01086 | -.00006 | -.00003 |
| #2 | -.00517 | .00090 | .00341 | -.00312 | .00351 | -.01301 | -.00119 | .00001  |
| #3 | -.00185 | .00135 | .00319 | .00070  | .00278 | -.00634 | -.00306 | .00009  |

|        |         |         |         |        |         |         |        |         |
|--------|---------|---------|---------|--------|---------|---------|--------|---------|
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00011 | -.00006 | -.00014 | .00036 | -.00016 | -.00272 | .00011 | -.01010 |
| Stddev | .00004  | .00779  | .00031  | .00014 | .00024  | .00717  | .00001 | .06204  |
| %RSD   | 40.349  | 13743.  | 222.49  | 38.985 | 148.56  | 263.45  | 11.666 | 614.30  |

|    |         |         |         |        |         |         |        |         |
|----|---------|---------|---------|--------|---------|---------|--------|---------|
| #1 | -.00007 | -.00586 | .00020  | .00049 | -.00018 | .00497  | .00010 | -.00261 |
| #2 | -.00015 | .00880  | -.00040 | .00038 | -.00039 | -.00391 | .00012 | -.07555 |
| #3 | -.00009 | -.00310 | -.00022 | .00021 | .00009  | -.00922 | .00012 | .04786  |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00141 | .00310 | .01119 | .00049 | -.00003 | .36308 | .00007 | .00860 |
| Stddev | .00032 | .00039 | .00297 | .00016 | .00009  | .04041 | .00018 | .00903 |
| %RSD   | 22.417 | 12.516 | 26.498 | 32.451 | 278.68  | 11.129 | 253.88 | 104.94 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00117 | .00309 | .01450 | .00032 | .00005  | .36147 | .00025  | .00452 |
| #2 | .00176 | .00272 | .01032 | .00051 | -.00012 | .40427 | .00007  | .01895 |
| #3 | .00129 | .00350 | .00877 | .00063 | -.00002 | .32350 | -.00011 | .00234 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00375 | .00777 | .00217 | .00022 | -.00540 | .0018  | -.00023 | 1.4997 |
| Stddev | .00181 | .00193 | .00057 | .00063 | .00288  | .0014  | .00008  | .0860  |
| %RSD   | 48.216 | 24.850 | 26.017 | 290.44 | 53.316  | 76.44  | 33.631  | 5.7335 |

|    |        |        |        |         |         |       |         |        |
|----|--------|--------|--------|---------|---------|-------|---------|--------|
| #1 | .00584 | .00696 | .00225 | -.00044 | -.00224 | .0033 | -.00027 | 1.4250 |
| #2 | .00271 | .00998 | .00157 | .00082  | -.00608 | .0005 | -.00014 | 1.5937 |
| #3 | .00271 | .00638 | .00269 | .00027  | -.00788 | .0016 | -.00028 | 1.4806 |

Sample Name: CCB03      Acquired: 1/15/2019 18:28:18      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      2.2722  
%RSD      16.603

#1      -15.209  
#2      -14.774  
#3      -11.074

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3367.3 | 42793. | 3939.6 | 112.60 | 3849.8 |
| Stddev    | 4.8    | 46.    | 30.4   | .71    | 5.4    |
| %RSD      | .14224 | .10707 | .77246 | .63172 | .13998 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3361.8 | 42740. | 3905.3 | 113.42 | 3853.5 |
| #2 | 3369.9 | 42815. | 3963.5 | 112.10 | 3843.7 |
| #3 | 3370.2 | 42824. | 3950.0 | 112.29 | 3852.4 |

Sample Name: K1140-01MS      Acquired: 1/15/2019 18:32:47      Type: Unk  
Method: P4-ICP2(v2743)      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    | .86458 | 2.1426 | 1.1215 | 1.8399 | .84800 | 3.9061 | .28576 |
| Stddev | .00451 | .0020  | .0042  | .0037  | .00513 | .0296  | .00086 |
| %RSD   | .52110 | .09409 | .37152 | .20127 | .60468 | .75911 | .30133 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .86950 | 2.1436 | 1.1197 | 1.8441 | .84648 | 3.8753 | .28674 |
| #2 | .86359 | 2.1439 | 1.1263 | 1.8388 | .85371 | 3.9085 | .28512 |
| #3 | .86066 | 2.1403 | 1.1186 | 1.8369 | .84380 | 3.9344 | .28542 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23074 | .20694 | 52.883 | .45797 | .22013 | .38844 | 14.381 |
| Stddev | .00081 | .00057 | .123   | .00269 | .00092 | .00107 | .213   |
| %RSD   | .35183 | .27712 | .23329 | .58662 | .41607 | .27668 | 1.4836 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23028 | .20689 | 52.751 | .45520 | .21994 | .38826 | 14.235 |
| #2 | .23027 | .20753 | 52.902 | .46057 | .22113 | .38960 | 14.626 |
| #3 | .23168 | .20639 | 52.996 | .45814 | .21932 | .38747 | 14.282 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50720 | 7.3467 | .54972 | .08230 | 70.181 | .35015 | .89652 |
| Stddev | .00126 | .0559  | .00206 | .00070 | .235   | .00120 | .00928 |
| %RSD   | .24872 | .76031 | .37546 | .85375 | .33504 | .34157 | 1.0352 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50594 | 7.3774 | .54803 | .08294 | 70.333 | .35149 | .89708 |
| #2 | .50720 | 7.2822 | .55202 | .08155 | 69.911 | .34978 | .90551 |
| #3 | .50846 | 7.3805 | .54910 | .08241 | 70.301 | .34919 | .88697 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 15.835 | .43538 | .36301 | 2.1595 | 7.6958 | .69444 | .28235 |
| Stddev | .076   | .00126 | .00979 | .0065  | .0305  | .00252 | .00252 |
| %RSD   | .47985 | .28980 | 2.6979 | .30200 | .39596 | .36261 | .89240 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.904 | .43599 | .36569 | 2.1537 | 7.7305 | .69234 | .28018 |
| #2 | 15.846 | .43623 | .35215 | 2.1583 | 7.6735 | .69723 | .28511 |
| #3 | 15.754 | .43393 | .37118 | 2.1666 | 7.6834 | .69375 | .28175 |

Sample Name: K1140-01MS      Acquired: 1/15/2019 18:32:47      Type: Unk  
Method: P4-ICP2(v2743)      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    | .22561 | 7.458  | .37583 | 2.6540 | F<.00000 |
| Stddev | .00038 | .030   | .00169 | .0406  | 1.4546   |
| %RSD   | .16915 | .4004  | .44881 | 1.5307 | 2.9758   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .22605 | 7.449 | .37522 | 2.6147 | -48.934 |
| #2 | .22542 | 7.491 | .37454 | 2.6958 | -47.399 |
| #3 | .22536 | 7.433 | .37774 | 2.6516 | -50.306 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3312.0 | 42157. | 4039.0 | 112.88 | 3609.3 |
| Stddev    | 6.1    | 79.    | 26.8   | 1.20   | 8.2    |
| %RSD      | .18540 | .18715 | .66231 | 1.0641 | .22622 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3319.0 | 42243. | 4008.4 | 113.19 | 3618.7 |
| #2 | 3307.9 | 42142. | 4050.3 | 111.56 | 3603.8 |
| #3 | 3309.0 | 42087. | 4058.3 | 113.90 | 3605.4 |

Sample Name: K1140-01MSD      Acquired: 1/15/2019 18:36:54      Type: Unk  
Method: P4-ICP2(v2743)      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    | .85681 | 2.1407 | 1.1171 | 1.8314 | .84567 | 3.9147 | .28567 |
| Stddev | .00342 | .0087  | .0037  | .0026  | .00166 | .0178  | .00197 |
| %RSD   | .39894 | .40701 | .33527 | .14347 | .19618 | .45472 | .69065 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .85779 | 2.1329 | 1.1131 | 1.8283 | .84757 | 3.8990 | .28644 |
| #2 | .85963 | 2.1501 | 1.1205 | 1.8330 | .84448 | 3.9340 | .28343 |
| #3 | .85301 | 2.1391 | 1.1176 | 1.8328 | .84496 | 3.9111 | .28714 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23019 | .20597 | 52.436 | .45399 | .21918 | .38762 | 14.189 |
| Stddev | .00022 | .00082 | .294   | .00045 | .00098 | .00081 | .064   |
| %RSD   | .09540 | .39896 | .56142 | .09963 | .44939 | .20984 | .45032 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23014 | .20517 | 52.621 | .45432 | .21838 | .38748 | 14.157 |
| #2 | .23043 | .20681 | 52.097 | .45417 | .22028 | .38850 | 14.147 |
| #3 | .23001 | .20593 | 52.591 | .45347 | .21888 | .38689 | 14.262 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50583 | 7.3375 | .54688 | .08116 | 70.212 | .34965 | .87388 |
| Stddev | .00091 | .0743  | .00218 | .00065 | .638   | .00158 | .00727 |
| %RSD   | .17898 | 1.0132 | .39778 | .79541 | .90861 | .45059 | .83160 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50499 | 7.4127 | .54456 | .08099 | 70.611 | .34784 | .88109 |
| #2 | .50571 | 7.3357 | .54887 | .08187 | 69.476 | .35069 | .86656 |
| #3 | .50679 | 7.2640 | .54722 | .08062 | 70.549 | .35042 | .87400 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 15.744 | .43418 | .35155 | 2.1494 | 7.5807 | .69118 | .27777 |
| Stddev | .069   | .00076 | .01015 | .0080  | .0451  | .00468 | .00383 |
| %RSD   | .43823 | .17395 | 2.8886 | .37195 | .59446 | .67703 | 1.3803 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.769 | .43489 | .33984 | 2.1435 | 7.6226 | .68926 | .27532 |
| #2 | 15.666 | .43427 | .35686 | 2.1462 | 7.5330 | .69651 | .27579 |
| #3 | 15.797 | .43338 | .35795 | 2.1585 | 7.5865 | .68776 | .28219 |

Sample Name: K1140-01MSD      Acquired: 1/15/2019 18:36:54      Type: Unk  
Method: P4-ICP2(v2743)      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    | .22917 | 7.409  | .37458 | 2.5464 | F<.00000 |
| Stddev | .00188 | .016   | .00221 | .0842  | 2.9978   |
| %RSD   | .82142 | .2188  | .58892 | 3.3051 | 6.2692   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .22715 | 7.391 | .37494 | 2.6364 | -45.709 |
| #2 | .22948 | 7.413 | .37221 | 2.4697 | -51.249 |
| #3 | .23087 | 7.423 | .37658 | 2.5332 | -46.494 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3288.3 | 42093. | 4067.6 | 114.26 | 3591.1 |
| Stddev    | 1.2    | 73.    | 33.4   | .88    | 13.4   |
| %RSD      | .03683 | .17414 | .82054 | .77223 | .37450 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3287.1 | 42137. | 4034.7 | 113.39 | 3606.6 |
| #2 | 3289.5 | 42008. | 4101.5 | 115.15 | 3584.8 |
| #3 | 3288.2 | 42133. | 4066.6 | 114.25 | 3582.0 |

Sample Name: K1140-01A      Acquired: 1/15/2019 18:41:00      Type: Unk  
Method: P4-ICP2(v2743)      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    | .85735 | 2.1179 | 1.1043 | 1.8159 | .83538 | 3.8513 | .28141 |
| Stddev | .00120 | .0054  | .0042  | .0098  | .00060 | .0771  | .00201 |
| %RSD   | .13988 | .25634 | .38263 | .53851 | .07148 | 2.0015 | .71414 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .85869 | 2.1242 | 1.1090 | 1.8207 | .83474 | 3.7817 | .28249 |
| #2 | .85638 | 2.1148 | 1.1030 | 1.8046 | .83592 | 3.8380 | .28265 |
| #3 | .85698 | 2.1147 | 1.1008 | 1.8223 | .83549 | 3.9341 | .27909 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22800 | .20421 | 52.192 | .44896 | .21716 | .38566 | 14.165 |
| Stddev | .00105 | .00066 | .489   | .00154 | .00097 | .00129 | .253   |
| %RSD   | .46165 | .32375 | .93723 | .34281 | .44663 | .33376 | 1.7839 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22703 | .20482 | 52.400 | .44720 | .21827 | .38475 | 14.413 |
| #2 | .22785 | .20431 | 52.543 | .45008 | .21672 | .38510 | 13.908 |
| #3 | .22912 | .20351 | 51.633 | .44959 | .21648 | .38713 | 14.175 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50195 | 7.2630 | .54248 | .08083 | 70.154 | .34783 | .87254 |
| Stddev | .00024 | .0365  | .00120 | .00048 | .600   | .00126 | .02181 |
| %RSD   | .04851 | .50273 | .22158 | .59782 | .85562 | .36251 | 2.4991 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50176 | 7.2358 | .54338 | .08138 | 70.470 | .34640 | .89745 |
| #2 | .50222 | 7.2487 | .54295 | .08049 | 70.530 | .34833 | .86326 |
| #3 | .50187 | 7.3045 | .54112 | .08060 | 69.461 | .34877 | .85692 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 15.604 | .43118 | .35520 | 2.1250 | 7.5206 | .68335 | .27930 |
| Stddev | .099   | .00131 | .01677 | .0044  | .1311  | .00225 | .00148 |
| %RSD   | .63252 | .30305 | 4.7218 | .20878 | 1.7437 | .32879 | .53026 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.713 | .43128 | .33988 | 2.1264 | 7.6265 | .68581 | .27897 |
| #2 | 15.521 | .42983 | .37312 | 2.1286 | 7.5613 | .68141 | .28092 |
| #3 | 15.579 | .43244 | .35260 | 2.1200 | 7.3739 | .68282 | .27801 |

Sample Name: K1140-01A      Acquired: 1/15/2019 18:41:00      Type: Unk  
Method: P4-ICP2(v2743)      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    | .22860 | 7.344  | .37226 | 2.1313 | F<.00000 |
| Stddev | .00168 | .030   | .00302 | .2114  | 3.9922   |
| %RSD   | .73475 | .4050  | .81245 | 9.9204 | 9.0858   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .22774 | 7.377 | .37293 | 1.8872 | -48.002 |
| #2 | .23054 | 7.319 | .37490 | 2.2551 | -40.022 |
| #3 | .22752 | 7.336 | .36896 | 2.2516 | -43.792 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3296.5 | 42364. | 4066.0 | 114.00 | 3604.8 |
| Stddev    | 5.7    | 206.   | 68.2   | 2.73   | 10.5   |
| %RSD      | .17253 | .48530 | 1.6768 | 2.3942 | .29089 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3301.5 | 42584. | 4015.0 | 110.91 | 3594.9 |
| #2 | 3297.8 | 42331. | 4039.6 | 115.04 | 3603.7 |
| #3 | 3290.3 | 42177. | 4143.5 | 116.07 | 3615.8 |

Sample Name: K1140-02      Acquired: 1/15/2019 18:45:07      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00382 | -.00075 | .05759 | .00129 | .00443 | 1.4461 | .05112 |
| Stddev | .00108  | .00045  | .00009 | .00120 | .00071 | .0161  | .00161 |
| %RSD   | 28.145  | 60.438  | .15420 | 93.474 | 16.068 | 1.1143 | 3.1404 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00447 | -.00118 | .05753 | .00166  | .00363 | 1.4641 | .05288 |
| #2 | -.00258 | -.00027 | .05755 | .00225  | .00464 | 1.4331 | .04974 |
| #3 | -.00442 | -.00080 | .05769 | -.00006 | .00501 | 1.4411 | .05073 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00000 | -.00062 | 50.698 | .00721 | .00274 | .03582 | 10.514 |
| Stddev | .00003 | .00005  | .497   | .00006 | .00015 | .00014 | .170   |
| %RSD   | 2755.3 | 7.6475  | .97994 | .80740 | 5.3264 | .40345 | 1.6186 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | .00000  | -.00063 | 50.964 | .00725 | .00291 | .03567 | 10.385 |
| #2 | .00003  | -.00066 | 51.006 | .00714 | .00263 | .03595 | 10.450 |
| #3 | -.00003 | -.00057 | 50.125 | .00723 | .00268 | .03585 | 10.707 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .27685 | 5.0122 | .00613 | .00149 | 62.589 | .00530 | .58359 |
| Stddev | .00116 | .0517  | .00035 | .00014 | .394   | .00036 | .00365 |
| %RSD   | .41879 | 1.0318 | 5.6556 | 9.6910 | .62935 | 6.8292 | .62566 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .27808 | 5.0319 | .00646 | .00134 | 63.037 | .00540 | .58251 |
| #2 | .27578 | 5.0513 | .00618 | .00162 | 62.429 | .00490 | .58060 |
| #3 | .27670 | 4.9536 | .00577 | .00152 | 62.300 | .00560 | .58766 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.4075 | .00214 | .04477 | 1.9235 | 6.1816 | .00299 | .05643 |
| Stddev | .0479  | .00013 | .00358 | .0047  | .0152  | .00053 | .00111 |
| %RSD   | 1.0876 | 6.1684 | 8.0078 | .24693 | .24579 | 17.881 | 1.9715 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.4579 | .00222 | .04883 | 1.9254 | 6.1950 | .00325 | .05668 |
| #2 | 4.4019 | .00199 | .04344 | 1.9181 | 6.1651 | .00237 | .05740 |
| #3 | 4.3626 | .00220 | .04203 | 1.9270 | 6.1848 | .00333 | .05522 |

Sample Name: K1140-02      Acquired: 1/15/2019 18:45:07      Type: Unk  
Method: P4-ICP2(v2743)      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    | .00485 | 1.072  | .16372 | 1.9428 | F<.00000 |
| Stddev | .00062 | .005   | .00081 | .1071  | 3.1878   |
| %RSD   | 12.841 | .4952  | .49516 | 5.5141 | 20.044   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00520 | 1.075 | .16439 | 1.9676 | -12.380 |
| #2 | .00522 | 1.066 | .16395 | 2.0354 | -16.746 |
| #3 | .00413 | 1.075 | .16282 | 1.8254 | -18.587 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3297.1 | 42266. | 4075.1 | 113.71 | 3652.4 |
| Stddev    | 3.0    | 139.   | 22.5   | .82    | 13.1   |
| %RSD      | .09070 | .32973 | .55324 | .71967 | .35836 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3296.4 | 42106. | 4052.8 | 114.24 | 3658.0 |
| #2 | 3294.6 | 42327. | 4074.4 | 114.13 | 3661.8 |
| #3 | 3300.4 | 42364. | 4097.9 | 112.77 | 3637.5 |

Sample Name: K1140-03      Acquired: 1/15/2019 18:49:30      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00673 | .00035 | .06368 | .00286 | .00257 | 1.6859 | .06126 |
| Stddev | .00341  | .00066 | .00032 | .00198 | .00135 | .0133  | .00053 |
| %RSD   | 50.733  | 188.60 | .50787 | 69.354 | 52.673 | .78658 | .86312 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00516 | .00023  | .06397 | .00494 | .00193 | 1.7007 | .06155 |
| #2 | -.00438 | .00105  | .06375 | .00265 | .00166 | 1.6816 | .06159 |
| #3 | -.01065 | -.00024 | .06333 | .00099 | .00413 | 1.6753 | .06065 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00004 | -.00061 | 50.453 | .00739 | .00321 | .04522 | 11.099 |
| Stddev | .00013 | .00007  | .398   | .00067 | .00020 | .00035 | .145   |
| %RSD   | 301.75 | 11.767  | .78946 | 9.0498 | 6.3409 | .76926 | 1.3064 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00008 | -.00063 | 50.109 | .00665 | .00303 | .04547 | 11.211 |
| #2 | .00017  | -.00053 | 50.360 | .00795 | .00343 | .04482 | 10.935 |
| #3 | .00003  | -.00067 | 50.889 | .00759 | .00317 | .04536 | 11.151 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .28287 | 5.0774 | .00724 | .00189 | 63.183 | .00637 | .62359 |
| Stddev | .00076 | .0523  | .00040 | .00020 | .077   | .00036 | .01057 |
| %RSD   | .26744 | 1.0301 | 5.4673 | 10.646 | .12113 | 5.6153 | 1.6945 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .28374 | 5.0252 | .00690 | .00190 | 63.210 | .00675 | .63500 |
| #2 | .28244 | 5.1298 | .00713 | .00169 | 63.096 | .00603 | .61413 |
| #3 | .28243 | 5.0771 | .00768 | .00209 | 63.242 | .00633 | .62164 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.4141 | .00215 | .03391 | 2.1040 | 6.4869 | .00285 | .06854 |
| Stddev | .0463  | .00008 | .00403 | .0065  | .0094  | .00034 | .00260 |
| %RSD   | 1.0498 | 3.5907 | 11.891 | .31027 | .14442 | 12.067 | 3.7904 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.4090 | .00222 | .02943 | 2.1059 | 6.4973 | .00320 | .06578 |
| #2 | 4.3705 | .00216 | .03724 | 2.1094 | 6.4841 | .00284 | .06891 |
| #3 | 4.4628 | .00207 | .03506 | 2.0967 | 6.4792 | .00251 | .07094 |

Sample Name: K1140-03      Acquired: 1/15/2019 18:49:30      Type: Unk  
Method: P4-ICP2(v2743)      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    | .00592 | 1.228  | .16199 | 2.0304 | F<.00000 |
| Stddev | .00206 | .004   | .00070 | .1598  | 1.5879   |
| %RSD   | 34.739 | .3542  | .43237 | 7.8722 | 10.089   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00416 | 1.233 | .16118 | 2.1379 | -16.757 |
| #2 | .00542 | 1.226 | .16240 | 1.8468 | -16.551 |
| #3 | .00818 | 1.226 | .16240 | 2.1066 | -13.910 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3306.1 | 42282. | 4042.0 | 113.87 | 3640.0 |
| Stddev    | 4.2    | 59.    | 13.9   | 2.02   | 9.6    |
| %RSD      | .12714 | .14050 | .34321 | 1.7774 | .26408 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3310.7 | 42223. | 4027.0 | 111.78 | 3629.1 |
| #2 | 3305.0 | 42280. | 4054.4 | 115.82 | 3643.9 |
| #3 | 3302.5 | 42342. | 4044.5 | 114.00 | 3647.1 |

Sample Name: K1140-04      Acquired: 1/15/2019 18:53:53      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00519 | -.00112 | .04830 | .00034 | .00136 | 1.3501 | .04848 |
| Stddev | .00204  | .00052  | .00109 | .00138 | .00017 | .0124  | .00057 |
| %RSD   | 39.285  | 46.215  | 2.2662 | 409.00 | 12.271 | .91622 | 1.1845 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00295 | -.00052 | .04722 | .00193  | .00124 | 1.3424 | .04792 |
| #2 | -.00570 | -.00142 | .04941 | -.00038 | .00129 | 1.3644 | .04844 |
| #3 | -.00693 | -.00142 | .04827 | -.00054 | .00155 | 1.3436 | .04907 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | -.00063 | 52.317 | .00509 | .00248 | .03468 | 10.504 |
| Stddev | .00007  | .00008  | .131   | .00034 | .00022 | .00015 | .145   |
| %RSD   | 252.00  | 11.924  | .25077 | 6.5862 | 8.9586 | .44665 | 1.3804 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | .00005  | -.00071 | 52.214 | .00475 | .00249 | .03464 | 10.396 |
| #2 | -.00008 | -.00063 | 52.273 | .00542 | .00269 | .03485 | 10.447 |
| #3 | -.00005 | -.00056 | 52.465 | .00512 | .00225 | .03455 | 10.669 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .27899 | 4.7584 | .00606 | .00169 | 70.428 | .00485 | .63308 |
| Stddev | .00095 | .0328  | .00057 | .00097 | .149   | .00050 | .00741 |
| %RSD   | .34142 | .68969 | 9.4125 | 57.164 | .21223 | 10.326 | 1.1708 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .27922 | 4.7548 | .00630 | .00262 | 70.304 | .00488 | .63066 |
| #2 | .27980 | 4.7929 | .00646 | .00177 | 70.387 | .00434 | .62718 |
| #3 | .27794 | 4.7275 | .00540 | .00069 | 70.594 | .00534 | .64140 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7125 | .00228 | .03367 | 1.8526 | 6.4796 | .00266 | .05597 |
| Stddev | .0367  | .00039 | .00427 | .0032  | .0308  | .00095 | .00115 |
| %RSD   | .77870 | 17.097 | 12.667 | .17303 | .47509 | 35.498 | 2.0513 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.6879 | .00271 | .02898 | 1.8500 | 6.4869 | .00158 | .05550 |
| #2 | 4.7546 | .00196 | .03474 | 1.8562 | 6.4458 | .00309 | .05728 |
| #3 | 4.6948 | .00217 | .03730 | 1.8516 | 6.5060 | .00332 | .05514 |

Sample Name: K1140-04      Acquired: 1/15/2019 18:53:53      Type: Unk  
 Method: P4-ICP2(v2743)      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    | .00594 | .9966  | .17366 | 2.0769 | F<.00000 |
| Stddev | .00119 | .0029  | .00015 | .2390  | 2.1662   |
| %RSD   | 20.104 | .2860  | .08594 | 11.509 | 11.978   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00535 | .9977 | .17351 | 2.3528 | -19.185 |
| #2 | .00731 | .9989 | .17381 | 1.9469 | -19.480 |
| #3 | .00515 | .9934 | .17365 | 1.9311 | -15.589 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3296.5 | 42379. | 4059.3 | 114.25 | 3637.4 |
| Stddev    | 5.3    | 123.   | 15.6   | 1.51   | 5.3    |
| %RSD      | .16022 | .29034 | .38344 | 1.3198 | .14451 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3292.0 | 42237. | 4045.9 | 114.85 | 3636.2 |
| #2 | 3302.3 | 42453. | 4076.4 | 115.36 | 3632.8 |
| #3 | 3295.2 | 42447. | 4055.8 | 112.53 | 3643.1 |

Sample Name: K1007-02      Acquired: 1/15/2019 18:58:17      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NB-07-011419      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00543 | -.00272 | .00897 | .00182 | .00334 | .26428 | .12431 |
| Stddev | .00215  | .00144  | .00014 | .00272 | .00105 | .00400 | .00049 |
| %RSD   | 39.569  | 52.753  | 1.5805 | 149.27 | 31.375 | 1.5131 | .39230 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00316 | -.00121 | .00883 | .00258  | .00219 | .26319 | .12486 |
| #2 | -.00744 | -.00288 | .00912 | .00408  | .00423 | .26872 | .12414 |
| #3 | -.00570 | -.00407 | .00896 | -.00120 | .00359 | .26095 | .12392 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00026 | -.00024 | 7.6473 | .00085 | .00600 | .00498 | .11654 |
| Stddev | .00002 | .00005  | .0367  | .00028 | .00038 | .00050 | .00830 |
| %RSD   | 9.3248 | 21.418  | .47983 | 33.019 | 6.2898 | 10.094 | 7.1209 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00023 | -.00018 | 7.6419 | .00063 | .00578 | .00452 | .11233 |
| #2 | .00028 | -.00028 | 7.6864 | .00117 | .00643 | .00552 | .11119 |
| #3 | .00027 | -.00025 | 7.6136 | .00075 | .00578 | .00491 | .12610 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .54271 | 2.9510 | .00618 | .00406 | 401.93 | -.00002 | .14907 |
| Stddev | .00080 | .0162  | .00075 | .00042 | 6.40   | .00044  | .00239 |
| %RSD   | .14829 | .55009 | 12.071 | 10.436 | 1.5935 | 1994.5  | 1.6032 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .54363 | 2.9681 | .00534 | .00397 | 408.28 | -.00051 | .15038 |
| #2 | .54217 | 2.9492 | .00644 | .00369 | 395.47 | .00010  | .14631 |
| #3 | .54233 | 2.9357 | .00677 | .00452 | 402.05 | .00035  | .15052 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1367 | -.00025 | .00777 | .23889 | .38094 | .00280 | .00211 |
| Stddev | .0749  | .00031  | .00893 | .00221 | .00649 | .00066 | .00256 |
| %RSD   | 6.5922 | 124.28  | 114.95 | .92308 | 1.7035 | 23.479 | 121.02 |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | 1.0694 | .00007  | .00374 | .24116 | .38652 | .00355 | -.00083 |
| #2 | 1.2174 | -.00026 | .00156 | .23874 | .37382 | .00235 | .00336  |
| #3 | 1.1231 | -.00056 | .01800 | .23676 | .38247 | .00250 | .00381  |

Sample Name: K1007-02      Acquired: 1/15/2019 18:58:17      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: NB-07-011419      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00423 | .0061  | .03448 | 4.5188 | F<.00000 |
| Stddev    | .00163 | .0007  | .00006 | .2731  | 1.3340   |
| %RSD      | 38.481 | 12.31  | .17268 | 6.0444 | 12.435   |
| #1        | .00309 | .0053  | .03454 | 4.8000 | -10.409  |
| #2        | .00350 | .0068  | .03443 | 4.2545 | -9.5824  |
| #3        | .00609 | .0062  | .03445 | 4.5019 | -12.193  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3182.3 | 39458. | 3888.6 | 107.24 | 3342.7   |
| Stddev    | 18.5   | 164.   | 51.7   | 2.14   | 11.6     |
| %RSD      | .58064 | .41623 | 1.3290 | 1.9980 | .34699   |
| #1        | 3161.0 | 39271. | 3832.8 | 105.82 | 3330.0   |
| #2        | 3191.0 | 39522. | 3934.8 | 109.71 | 3352.8   |
| #3        | 3194.7 | 39580. | 3898.1 | 106.21 | 3345.2   |

Sample Name: K1007-02DUP      Acquired: 1/15/2019 19:02:51      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NB-07-011419 Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00923 | -.00103 | .00957 | .00036 | .00458 | .27160 | .12390 |
| Stddev | .00317  | .00048  | .00087 | .00273 | .00064 | .01124 | .00081 |
| %RSD   | 34.312  | 46.727  | 9.1386 | 765.77 | 13.920 | 4.1374 | .65378 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00579 | -.00064 | .00915 | -.00279 | .00387 | .26277 | .12438 |
| #2 | -.01202 | -.00157 | .00899 | .00214  | .00510 | .26779 | .12296 |
| #3 | -.00987 | -.00089 | .01058 | .00172  | .00477 | .28425 | .12435 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00018 | -.00015 | 7.6576 | .00041 | .00612 | .00428 | .10106 |
| Stddev | .00006 | .00004  | .0167  | .00022 | .00039 | .00066 | .00628 |
| %RSD   | 36.059 | 28.144  | .21778 | 54.380 | 6.4324 | 15.387 | 6.2113 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00019 | -.00013 | 7.6703 | .00048 | .00615 | .00499 | .10635 |
| #2 | .00023 | -.00012 | 7.6637 | .00016 | .00571 | .00370 | .10270 |
| #3 | .00011 | -.00020 | 7.6387 | .00059 | .00649 | .00414 | .09412 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54220 | 3.0831 | .00570 | .00444 | 406.62 | .00006 | .14608 |
| Stddev | .00181 | .0343  | .00037 | .00039 | 4.23   | .00050 | .00150 |
| %RSD   | .33405 | 1.1119 | 6.4339 | 8.7633 | 1.0403 | 812.15 | 1.0283 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .54419 | 3.1206 | .00570 | .00399 | 411.27 | -.00010 | .14487 |
| #2 | .54175 | 3.0534 | .00607 | .00462 | 402.99 | .00063  | .14776 |
| #3 | .54065 | 3.0753 | .00533 | .00469 | 405.61 | -.00034 | .14559 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1000 | -.00028 | .01715 | .23797 | .37751 | .00293 | .00160 |
| Stddev | .0335  | .00003  | .00639 | .00125 | .00502 | .00077 | .00228 |
| %RSD   | 3.0409 | 10.576  | 37.231 | .52335 | 1.3287 | 26.132 | 142.65 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 1.0860 | -.00025 | .01311 | .23681 | .38282 | .00214 | .00009 |
| #2 | 1.1381 | -.00029 | .02451 | .23783 | .37286 | .00367 | .00048 |
| #3 | 1.0758 | -.00031 | .01384 | .23929 | .37684 | .00298 | .00422 |

Sample Name: K1007-02DUP      Acquired: 1/15/2019 19:02:51      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NB-07-011419 Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00594 | .0089  | .03464 | 4.3955 | F<.00000 |
| Stddev | .00076 | .0003  | .00008 | .4092  | 2.2692   |
| %RSD   | 12.765 | 3.290  | .23189 | 9.3105 | 76.916   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00525 | .0092 | .03463 | 3.9878 | -2.0596 |
| #2 | .00582 | .0088 | .03472 | 4.8062 | -1.2615 |
| #3 | .00675 | .0087 | .03456 | 4.3923 | -5.5296 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3206.9 | 39739. | 3914.8 | 109.65 | 3360.9 |
| Stddev    | 11.3   | 36.    | 40.8   | 1.04   | 13.2   |
| %RSD      | .35222 | .09037 | 1.0434 | .95001 | .39410 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3194.0 | 39700. | 3868.1 | 110.24 | 3347.0 |
| #2 | 3211.4 | 39746. | 3933.0 | 108.45 | 3362.4 |
| #3 | 3215.2 | 39770. | 3943.4 | 110.27 | 3373.4 |

Sample Name: K1007-02LX5      Acquired: 1/15/2019 19:07:25      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00621 | .00012 | .00358 | -.00323 | .00312 | .06087 | .02437 |
| Stddev | .00021  | .00068 | .00138 | .00234  | .00068 | .00488 | .00134 |
| %RSD   | 3.3793  | 577.34 | 38.708 | 72.465  | 21.896 | 8.0192 | 5.4811 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00643 | .00027  | .00492 | -.00146 | .00233 | .06399 | .02449 |
| #2 | -.00601 | -.00063 | .00366 | -.00589 | .00355 | .06337 | .02298 |
| #3 | -.00619 | .00071  | .00215 | -.00235 | .00348 | .05524 | .02564 |

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00003 | -.00025 | 1.5814 | -.00016 | .00145 | .00077 | .02339 |
| Stddev | .00006 | .00004  | .0069  | .00057  | .00022 | .00015 | .01079 |
| %RSD   | 208.28 | 14.602  | .43368 | 369.32  | 15.366 | 19.009 | 46.159 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | .00008  | -.00028 | 1.5853 | .00003  | .00126 | .00093 | .01239 |
| #2 | .00005  | -.00021 | 1.5735 | .00030  | .00169 | .00075 | .02381 |
| #3 | -.00004 | -.00027 | 1.5853 | -.00080 | .00139 | .00064 | .03397 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .11155 | .60015 | .00166 | .00385 | 84.692 | .00048 | .03066 |
| Stddev | .00076 | .02607 | .00055 | .00083 | .278   | .00046 | .00025 |
| %RSD   | .67844 | 4.3445 | 33.425 | 21.680 | .32767 | 96.296 | .80037 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .11072 | .57005 | .00221 | .00290 | 84.376 | -.00004 | .03046 |
| #2 | .11219 | .61570 | .00110 | .00444 | 84.893 | .00085  | .03093 |
| #3 | .11175 | .61470 | .00165 | .00421 | 84.808 | .00063  | .03057 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .58177 | -.00003 | -.00436 | .05039 | .08568 | .00143 | .00004 |
| Stddev | .02036 | .00019  | .01151  | .00161 | .00332 | .00065 | .00157 |
| %RSD   | 3.5000 | 661.44  | 264.04  | 3.1956 | 3.8784 | 45.403 | 4271.8 |

|    |        |         |         |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|---------|
| #1 | .60145 | -.00021 | -.01697 | .04884 | .08263 | .00213 | .00146  |
| #2 | .56079 | .00017  | .00558  | .05027 | .08922 | .00130 | .00030  |
| #3 | .58308 | -.00004 | -.00169 | .05205 | .08518 | .00085 | -.00165 |

Sample Name: K1007-02LX5      Acquired: 1/15/2019 19:07:25      Type: Unk  
Method: P4-ICP2(v2743)      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    | .00193 | .0018  | .00684 | 3.0152 | F<.00000 |
| Stddev | .00134 | .0004  | .00008 | .1496  | 1.3222   |
| %RSD   | 69.244 | 23.41  | 1.2365 | 4.9625 | 9.5228   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00040 | .0019 | .00687 | 3.1800 | -12.399 |
| #2 | .00286 | .0014 | .00690 | 2.9778 | -14.931 |
| #3 | .00254 | .0022 | .00674 | 2.8878 | -14.324 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3331.5 | 41756. | 3874.1 | 109.74 | 3632.3 |
| Stddev    | 6.1    | 133.   | 7.4    | .79    | 10.2   |
| %RSD      | .18314 | .31840 | .19184 | .72041 | .27953 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3325.7 | 41898. | 3871.0 | 110.28 | 3620.9 |
| #2 | 3331.1 | 41634. | 3868.6 | 108.83 | 3635.7 |
| #3 | 3337.8 | 41735. | 3882.5 | 110.11 | 3640.3 |

Sample Name: K1007-02MS      Acquired: 1/15/2019 19:11:51      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NB-07-011419      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80541 | 1.9663 | .99962 | 2.0792 | .81713 | 2.4286 | .35656 |
| Stddev | .00143 | .0066  | .00164 | .0060  | .00312 | .0049  | .00238 |
| %RSD   | .17693 | .33589 | .16405 | .29069 | .38149 | .20048 | .66835 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80680 | 1.9625 | .99916 | 2.0846 | .82070 | 2.4253 | .35488 |
| #2 | .80396 | 1.9626 | 1.0014 | 2.0804 | .81574 | 2.4262 | .35552 |
| #3 | .80547 | 1.9740 | .99826 | 2.0727 | .81495 | 2.4342 | .35929 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21260 | .20417 | 9.5684 | .43349 | .21508 | .31671 | 3.1273 |
| Stddev | .00067 | .00016 | .0215  | .00207 | .00055 | .00066 | .0259  |
| %RSD   | .31381 | .08076 | .22471 | .47750 | .25530 | .20775 | .82876 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21238 | .20409 | 9.5765 | .43275 | .21474 | .31677 | 3.1070 |
| #2 | .21334 | .20406 | 9.5847 | .43190 | .21571 | .31734 | 3.1186 |
| #3 | .21206 | .20436 | 9.5440 | .43583 | .21479 | .31603 | 3.1565 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .81062 | 5.4200 | .53460 | .08022 | 444.46 | .33344 | .35965 |
| Stddev | .00116 | .0874  | .00077 | .00061 | .83    | .00258 | .00092 |
| %RSD   | .14362 | 1.6120 | .14414 | .75873 | .18786 | .77506 | .25480 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81081 | 5.3193 | .53433 | .08003 | 443.57 | .33402 | .35859 |
| #2 | .81167 | 5.4656 | .53401 | .07974 | 445.23 | .33568 | .36025 |
| #3 | .80937 | 5.4752 | .53547 | .08090 | 444.59 | .33061 | .36010 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.872 | .42392 | .32358 | .24764 | 1.3660 | .71448 | .21125 |
| Stddev | .059   | .00067 | .00918 | .00410 | .0187  | .00111 | .00562 |
| %RSD   | .49938 | .15863 | 2.8377 | 1.6548 | 1.3668 | .15543 | 2.6596 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.836 | .42458 | .31458 | .24303 | 1.3450 | .71399 | .21767 |
| #2 | 11.840 | .42323 | .33293 | .25086 | 1.3723 | .71370 | .20890 |
| #3 | 11.941 | .42394 | .32324 | .24904 | 1.3807 | .71576 | .20720 |

Sample Name: K1007-02MS      Acquired: 1/15/2019 19:11:51      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: NB-07-011419 Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .22032 | 6.196  | .24080 | 4.7384 | F<.00000 |
| Stddev    | .00167 | .004   | .00047 | .2589  | 1.9325   |
| %RSD      | .76015 | .0673  | .19359 | 5.4634 | 8.3135   |
| #1        | .22211 | 6.199  | .24026 | 4.9817 | -25.464  |
| #2        | .22007 | 6.191  | .24109 | 4.4664 | -22.348  |
| #3        | .21879 | 6.198  | .24104 | 4.7671 | -21.925  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3183.6 | 39571. | 3811.2 | 107.97 | 3321.4   |
| Stddev    | 5.6    | 81.    | 5.7    | .40    | 7.8      |
| %RSD      | .17698 | .20510 | .15068 | .36744 | .23601   |
| #1        | 3182.0 | 39586. | 3813.2 | 108.19 | 3320.3   |
| #2        | 3179.0 | 39643. | 3815.6 | 108.20 | 3314.1   |
| #3        | 3189.9 | 39483. | 3804.7 | 107.51 | 3329.7   |

Sample Name: CCV04      Acquired: 1/15/2019 19:16:07      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14461      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0078 | 5.1038 | 5.0036 | 5.1002 | 5.1732 | 10.228 | 10.581 |
| Stddev | .0217  | .0190  | .0144  | .0170  | .0077  | .046   | .065   |
| %RSD   | .43333 | .37160 | .28850 | .33249 | .14974 | .45153 | .61015 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.0293 | 5.1025 | 4.9959 | 5.1167 | 5.1809 | 10.280 | 10.509 |
| #2 | 5.0081 | 5.0855 | 4.9947 | 5.1010 | 5.1732 | 10.193 | 10.598 |
| #3 | 4.9859 | 5.1234 | 5.0203 | 5.0828 | 5.1654 | 10.211 | 10.635 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .26018 | 2.4943 | 25.316 | 1.0481 | 2.5138 | 1.2817 | 5.0283 |
| Stddev | .00135 | .0092  | .073   | .0033  | .0103  | .0039  | .0556  |
| %RSD   | .51848 | .37035 | .28738 | .31826 | .41138 | .30354 | 1.1063 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .26057 | 2.4969 | 25.236 | 1.0502 | 2.5131 | 1.2849 | 4.9648 |
| #2 | .25867 | 2.4841 | 25.379 | 1.0443 | 2.5039 | 1.2828 | 5.0685 |
| #3 | .26128 | 2.5020 | 25.332 | 1.0499 | 2.5245 | 1.2773 | 5.0517 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6102 | 25.553 | 2.5644 | 1.3142 | 26.090 | 2.6407 | 2.5634 |
| Stddev | .0115  | .170   | .0079  | .0024  | .109   | .0107  | .0100  |
| %RSD   | .44090 | .66479 | .30732 | .18179 | .41902 | .40722 | .38836 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6125 | 25.451 | 2.5650 | 1.3149 | 25.984 | 2.6506 | 2.5520 |
| #2 | 2.5977 | 25.458 | 2.5563 | 1.3115 | 26.086 | 2.6293 | 2.5705 |
| #3 | 2.6203 | 25.749 | 2.5720 | 1.3160 | 26.202 | 2.6422 | 2.5676 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 26.274 | 5.1433 | 5.0484 | 4.8358 | 5.2215 | 5.0000 | 5.0290 |
| Stddev | .084   | .0147  | .0439  | .0168  | .0377  | .0156  | .0215  |
| %RSD   | .31865 | .28531 | .86908 | .34725 | .72181 | .31258 | .42750 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 26.220 | 5.1561 | 4.9980 | 4.8392 | 5.1858 | 5.0036 | 5.0184 |
| #2 | 26.231 | 5.1464 | 5.0777 | 4.8176 | 5.2178 | 4.9829 | 5.0537 |
| #3 | 26.370 | 5.1273 | 5.0696 | 4.8506 | 5.2609 | 5.0136 | 5.0148 |

Sample Name: CCV04      Acquired: 1/15/2019 19:16:07      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14461      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | 5.2194 | 5.032  | 5.1270 | F 3.7579 | F<.00000 |
| Stddev | .0374  | .024   | .0358  | .1463    | 2.5827   |
| %RSD   | .71633 | .4697  | .69769 | 3.8924   | 26.307   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | 5.1789 | 5.037 | 5.0860 | 3.9251 | -6.9019 |
| #2 | 5.2268 | 5.006 | 5.1430 | 3.6954 | -11.818 |
| #3 | 5.2526 | 5.052 | 5.1519 | 3.6533 | -10.734 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3283.9 | 41382. | 3815.1 | 104.46 | 3457.6 |
| Stddev    | 10.5   | 154.   | 17.8   | .38    | 8.9    |
| %RSD      | .31890 | .37204 | .46692 | .36852 | .25875 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3275.1 | 41244. | 3829.2 | 104.88 | 3453.0 |
| #2 | 3281.2 | 41548. | 3821.1 | 104.13 | 3468.0 |
| #3 | 3295.5 | 41356. | 3795.1 | 104.37 | 3451.9 |

Sample Name: CCB04      Acquired: 1/15/2019 19:20:05      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14461      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |        |        |        |         |
|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00281 | .00116 | .00167 | .00292 | .00333 | .00926 | -.00110 |
| Stddev | .00348  | .00073 | .00097 | .00177 | .00021 | .00235 | .00083  |
| %RSD   | 124.08  | 63.141 | 58.204 | 60.695 | 6.2488 | 25.409 | 75.268  |

|    |         |        |        |        |        |        |         |
|----|---------|--------|--------|--------|--------|--------|---------|
| #1 | .00018  | .00125 | .00252 | .00488 | .00327 | .00756 | -.00020 |
| #2 | -.00663 | .00038 | .00061 | .00143 | .00316 | .01195 | -.00128 |
| #3 | -.00197 | .00184 | .00188 | .00245 | .00356 | .00827 | -.00182 |

|        |        |         |         |        |        |         |        |
|--------|--------|---------|---------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00005 | -.00019 | -.00560 | .00019 | .00019 | -.00079 | .00879 |
| Stddev | .00008 | .00009  | .00211  | .00008 | .00017 | .00022  | .00703 |
| %RSD   | 157.48 | 45.476  | 37.662  | 43.411 | 87.031 | 27.350  | 79.972 |

|    |         |         |         |        |        |         |        |
|----|---------|---------|---------|--------|--------|---------|--------|
| #1 | .00009  | -.00009 | -.00538 | .00010 | .00026 | -.00085 | .01428 |
| #2 | .00009  | -.00023 | -.00782 | .00022 | .00032 | -.00055 | .00087 |
| #3 | -.00004 | -.00026 | -.00362 | .00026 | .00000 | -.00097 | .01124 |

|        |        |         |        |          |        |        |         |
|--------|--------|---------|--------|----------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm    | ppm     |
| Avg    | .00012 | -.02285 | .00132 | F .00309 | .14755 | .00131 | -.00003 |
| Stddev | .00002 | .04291  | .00043 | .00041   | .00689 | .00011 | .00015  |
| %RSD   | 18.875 | 187.83  | 32.346 | 13.436   | 4.6725 | 8.0662 | 555.53  |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | .00015 | .01937  | .00180 | .00279 | .15374 | .00138 | .00011  |
| #2 | .00011 | -.06643 | .00098 | .00291 | .14012 | .00135 | -.00000 |
| #3 | .00011 | -.02149 | .00118 | .00356 | .14878 | .00119 | -.00019 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .38438 | .00005 | .00422 | .00447 | .00617 | .00137 | .00171 |
| Stddev | .03768 | .00027 | .00229 | .00414 | .00303 | .00019 | .00195 |
| %RSD   | 9.8032 | 575.00 | 54.368 | 92.606 | 49.062 | 13.760 | 114.21 |

|    |        |         |        |         |        |        |         |
|----|--------|---------|--------|---------|--------|--------|---------|
| #1 | .42483 | -.00016 | .00322 | .00639  | .00952 | .00116 | .00139  |
| #2 | .35027 | -.00005 | .00260 | -.00028 | .00534 | .00142 | .00380  |
| #3 | .37805 | .00035  | .00685 | .00730  | .00364 | .00153 | -.00007 |

Sample Name: CCB04      Acquired: 1/15/2019 19:20:05      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14461      Custom ID2:      Custom ID3:  
 Comment:

|           |         |        |         |          |          |
|-----------|---------|--------|---------|----------|----------|
| Elem      | Li6707  | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm     | ppm    | ppm     | ppm      | ppm      |
| Avg       | -.00029 | .0030  | -.00020 | F 1.2660 | F<.00000 |
| Stddev    | .00088  | .0007  | .00007  | .2139    | 1.0639   |
| %RSD      | 297.77  | 21.99  | 35.504  | 16.897   | 4.5904   |
| #1        | .00069  | .0033  | -.00012 | 1.0190   | -22.005  |
| #2        | -.00098 | .0023  | -.00024 | 1.3913   | -23.440  |
| #3        | -.00060 | .0035  | -.00024 | 1.3875   | -24.083  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3422.0  | 43678. | 3846.7  | 110.90   | 3903.5   |
| Stddev    | 6.6     | 136.   | 47.5    | 3.33     | 6.6      |
| %RSD      | .19147  | .31072 | 1.2345  | 3.0006   | .16787   |
| #1        | 3417.6  | 43831. | 3792.0  | 107.50   | 3900.6   |
| #2        | 3419.0  | 43573. | 3877.3  | 111.06   | 3898.9   |
| #3        | 3429.6  | 43629. | 3870.8  | 114.15   | 3911.0   |

Sample Name: K1007-02MSD      Acquired: 1/15/2019 19:24:33      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NB-07-011419      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80442 | 1.9666 | .99671 | 2.0798 | .81650 | 2.4157 | .35731 |
| Stddev | .00082 | .0037  | .00325 | .0091  | .00640 | .0312  | .00260 |
| %RSD   | .10176 | .18978 | .32569 | .43609 | .78397 | 1.2909 | .72764 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80348 | 1.9709 | .99885 | 2.0738 | .80977 | 2.3817 | .35974 |
| #2 | .80494 | 1.9643 | .99298 | 2.0902 | .82252 | 2.4430 | .35762 |
| #3 | .80485 | 1.9646 | .99831 | 2.0753 | .81721 | 2.4223 | .35457 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21137 | .20359 | 9.5838 | .43090 | .21479 | .31499 | 3.1154 |
| Stddev | .00060 | .00027 | .0497  | .00194 | .00050 | .00144 | .0257  |
| %RSD   | .28271 | .13076 | .51824 | .44929 | .23059 | .45744 | .82409 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21089 | .20381 | 9.5293 | .42867 | .21422 | .31444 | 3.0983 |
| #2 | .21119 | .20329 | 9.5957 | .43222 | .21503 | .31663 | 3.1030 |
| #3 | .21204 | .20366 | 9.6265 | .43180 | .21512 | .31391 | 3.1449 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80560 | 5.3475 | .53654 | .07932 | 447.74 | .33442 | .35733 |
| Stddev | .00245 | .0605  | .00007 | .00060 | 5.97   | .00135 | .00478 |
| %RSD   | .30386 | 1.1310 | .01380 | .75429 | 1.3335 | .40498 | 1.3388 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80374 | 5.3139 | .53662 | .07863 | 453.46 | .33347 | .36248 |
| #2 | .80838 | 5.4174 | .53654 | .07961 | 441.55 | .33597 | .35302 |
| #3 | .80470 | 5.3114 | .53647 | .07972 | 448.21 | .33383 | .35650 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.836 | .42206 | .31754 | .25250 | 1.3440 | .71458 | .20752 |
| Stddev | .061   | .00111 | .00256 | .00209 | .0148  | .00131 | .00371 |
| %RSD   | .51664 | .26264 | .80617 | .82837 | 1.1025 | .18401 | 1.7859 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.770 | .42078 | .31754 | .25016 | 1.3603 | .71609 | .20367 |
| #2 | 11.849 | .42270 | .32010 | .25418 | 1.3402 | .71372 | .20784 |
| #3 | 11.890 | .42269 | .31498 | .25316 | 1.3314 | .71392 | .21106 |

Sample Name: K1007-02MSD      Acquired: 1/15/2019 19:24:33      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NB-07-011419 Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .22307 | 6.187  | .24162 | 4.2694 | F<.00000 |
| Stddev | .00276 | .007   | .00043 | .1236  | 1.0825   |
| %RSD   | 1.2365 | .1142  | .17712 | 2.8944 | 4.1880   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .22185 | 6.192 | .24128 | 4.3723 | -25.420 |
| #2 | .22113 | 6.179 | .24148 | 4.3034 | -27.078 |
| #3 | .22622 | 6.189 | .24210 | 4.1323 | -25.043 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3222.2 | 40011. | 3835.2 | 109.04 | 3361.1 |
| Stddev    | 11.0   | 129.   | 31.2   | 1.48   | 13.3   |
| %RSD      | .34060 | .32346 | .81368 | 1.3530 | .39647 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3215.5 | 40018. | 3799.8 | 107.50 | 3347.8 |
| #2 | 3216.2 | 39878. | 3858.9 | 110.44 | 3361.0 |
| #3 | 3234.9 | 40136. | 3846.7 | 109.17 | 3374.4 |

Sample Name: K1007-02A      Acquired: 1/15/2019 19:28:49      Type: Unk  
Method: P4-ICP2(v2743)      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    | .75396 | 1.8452 | .93366 | 1.9473 | .76176 | 2.4010 | .35391 |
| Stddev | .03786 | .1042  | .05294 | .1121  | .04119 | .0425  | .00268 |
| %RSD   | 5.0219 | 5.6444 | 5.6700 | 5.7572 | 5.4078 | 1.7681 | .75705 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .79766 | 1.9648 | .99454 | 2.0758 | .80917 | 2.4114 | .35247 |
| #2 | .73329 | 1.7966 | .90796 | 1.8962 | .74133 | 2.4373 | .35700 |
| #3 | .73093 | 1.7743 | .89847 | 1.8698 | .73477 | 2.3543 | .35226 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20995 | .19036 | 9.5503 | .43041 | .20044 | .29711 | 3.1374 |
| Stddev | .00152 | .01024 | .0500  | .00326 | .01112 | .01503 | .0587  |
| %RSD   | .72229 | 5.3809 | .52330 | .75729 | 5.5499 | 5.0589 | 1.8698 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21162 | .20212 | 9.5087 | .43399 | .21325 | .31437 | 3.1843 |
| #2 | .20958 | .18551 | 9.6057 | .42963 | .19489 | .29004 | 3.0716 |
| #3 | .20866 | .18344 | 9.5366 | .42761 | .19319 | .28691 | 3.1562 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80062 | 5.4463 | .50068 | .07922 | 445.00 | .33137 | .35466 |
| Stddev | .00591 | .0597  | .02790 | .00065 | 4.81   | .00247 | .01444 |
| %RSD   | .73783 | 1.0956 | 5.5728 | .82099 | 1.0800 | .74529 | 4.0723 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80624 | 5.3774 | .53258 | .07993 | 447.06 | .33422 | .36750 |
| #2 | .80115 | 5.4778 | .48869 | .07865 | 439.51 | .33008 | .33903 |
| #3 | .79446 | 5.4835 | .48079 | .07908 | 448.43 | .32982 | .35746 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.848 | .39449 | .31513 | .23339 | 1.3482 | .66735 | .20963 |
| Stddev | .041   | .02086 | .00808 | .01387 | .0100  | .03543 | .00264 |
| %RSD   | .34342 | 5.2871 | 2.5640 | 5.9410 | .74065 | 5.3094 | 1.2589 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.857 | .41849 | .30580 | .24939 | 1.3527 | .70809 | .21203 |
| #2 | 11.883 | .38423 | .31967 | .22507 | 1.3368 | .65028 | .20680 |
| #3 | 11.804 | .38076 | .31991 | .22570 | 1.3552 | .64369 | .21006 |

Sample Name: K1007-02A      Acquired: 1/15/2019 19:28:49      Type: Unk  
 Method: P4-ICP2(v2743)      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       | .22523 | 5.780  | .23957 | 4.1791 | F<.00000 |
| Stddev    | .00128 | .319   | .00072 | .3465  | 3.0794   |
| %RSD      | .56996 | 5.520  | .30112 | 8.2911 | 11.131   |
| #1        | .22380 | 6.146  | .23876 | 4.4821 | -30.811  |
| #2        | .22560 | 5.631  | .24012 | 4.2539 | -24.657  |
| #3        | .22629 | 5.562  | .23985 | 3.8013 | -27.528  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3391.1 | 40415. | 3833.3 | 108.48 | 3545.0   |
| Stddev    | 145.5  | 412.   | 25.3   | 3.07   | 167.9    |
| %RSD      | 4.2911 | 1.0203 | .65898 | 2.8329 | 4.7370   |
| #1        | 3223.9 | 40010. | 3813.3 | 105.90 | 3352.1   |
| #2        | 3460.1 | 40402. | 3861.7 | 111.88 | 3623.9   |
| #3        | 3489.2 | 40834. | 3825.0 | 107.65 | 3658.9   |

Sample Name: K1139-02      Acquired: 1/15/2019 19:33:05      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S-1      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00832 | .00035 | .00337 | .00211 | .00500 | .06525 | .02365 |
| Stddev | .00181  | .00073 | .00043 | .00356 | .00050 | .00642 | .00081 |
| %RSD   | 21.690  | 212.00 | 12.629 | 168.60 | 10.023 | 9.8370 | 3.4048 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00901 | -.00003 | .00340 | -.00145 | .00553 | .07245 | .02447 |
| #2 | -.00968 | .00119  | .00378 | .00212  | .00493 | .06318 | .02286 |
| #3 | -.00627 | -.00013 | .00293 | .00566  | .00453 | .06012 | .02361 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | -.00008 | 2.7155 | .00084 | .00076 | .00746 | .01419 |
| Stddev | .00010  | .00007  | .0097  | .00063 | .00030 | .00009 | .00656 |
| %RSD   | 327.07  | 92.893  | .35876 | 74.789 | 39.680 | 1.1885 | 46.199 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00010 | -.00001 | 2.7186 | .00157 | .00110 | .00756 | .00850 |
| #2 | .00009  | -.00015 | 2.7233 | .00055 | .00060 | .00741 | .01271 |
| #3 | -.00008 | -.00007 | 2.7046 | .00041 | .00057 | .00740 | .02136 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01534 | .34163 | .00500 | .00362 | 327.10 | .00055 | .09233 |
| Stddev | .00008 | .04250 | .00058 | .00051 | 3.86   | .00051 | .00095 |
| %RSD   | .54462 | 12.441 | 11.682 | 14.009 | 1.1799 | 92.853 | 1.0294 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01544 | .37722 | .00555 | .00401 | 327.97 | .00012 | .09179 |
| #2 | .01531 | .35311 | .00439 | .00305 | 330.46 | .00112 | .09343 |
| #3 | .01528 | .29457 | .00507 | .00380 | 322.89 | .00042 | .09178 |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .97750 | .00002 | .01214 | 1.4997 | .66239 | .00648 | -.00001 |
| Stddev | .02021 | .00034 | .00201 | .0066  | .01847 | .00073 | .00173  |
| %RSD   | 2.0674 | 2058.3 | 16.554 | .43833 | 2.7890 | 11.302 | 12238.  |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | .98821 | -.00023 | .01271 | 1.5073 | .68064 | .00567 | .00178  |
| #2 | .99010 | -.00012 | .00991 | 1.4953 | .66282 | .00710 | -.00016 |
| #3 | .95419 | .00040  | .01380 | 1.4966 | .64370 | .00666 | -.00167 |

Sample Name: K1139-02      Acquired: 1/15/2019 19:33:05      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S-1      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00900 | .0086  | .03522 | 4.1423 | F<.00000 |
| Stddev    | .00231 | .0009  | .00010 | .1674  | .29921   |
| %RSD      | 25.692 | 10.67  | .29597 | 4.0410 | 2.4400   |
| #1        | .00852 | .0090  | .03516 | 3.9830 | -12.448  |
| #2        | .00696 | .0093  | .03516 | 4.1270 | -12.423  |
| #3        | .01151 | .0076  | .03534 | 4.3168 | -11.918  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3243.3 | 40379. | 3833.8 | 110.66 | 3489.4   |
| Stddev    | 10.6   | 85.    | 38.1   | 1.53   | 13.9     |
| %RSD      | .32689 | .20956 | .99449 | 1.3797 | .39920   |
| #1        | 3236.2 | 40285. | 3811.8 | 111.06 | 3474.1   |
| #2        | 3255.4 | 40449. | 3811.7 | 108.98 | 3492.9   |
| #3        | 3238.2 | 40404. | 3877.8 | 111.95 | 3501.3   |

Sample Name: K1139-04      Acquired: 1/15/2019 19:37:40      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S-2      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00794 | -.00027 | .00226 | .00070 | .00419 | .06540 | .04115 |
| Stddev | .00316  | .00165  | .00085 | .00135 | .00204 | .00564 | .00065 |
| %RSD   | 39.871  | 617.80  | 37.411 | 191.62 | 48.684 | 8.6230 | 1.5732 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00450 | .00109  | .00191 | .00161  | .00652 | .06789 | .04042 |
| #2 | -.01072 | .00021  | .00323 | .00135  | .00275 | .06936 | .04164 |
| #3 | -.00859 | -.00211 | .00165 | -.00085 | .00330 | .05894 | .04140 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | -.00011 | 2.9470 | .00131 | .00074 | .00722 | .01147 |
| Stddev | .00005  | .00003  | .0148  | .00047 | .00014 | .00029 | .01025 |
| %RSD   | 64.640  | 31.768  | .50352 | 35.654 | 18.466 | 4.0281 | 89.397 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00003 | -.00008 | 2.9339 | .00117 | .00077 | .00741 | .02095 |
| #2 | -.00006 | -.00014 | 2.9440 | .00092 | .00059 | .00689 | .00058 |
| #3 | -.00012 | -.00009 | 2.9631 | .00183 | .00086 | .00737 | .01288 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03064 | .56937 | .00972 | .00388 | 285.72 | .00126 | .10982 |
| Stddev | .00017 | .01740 | .00048 | .00040 | 1.05   | .00068 | .00107 |
| %RSD   | .54277 | 3.0553 | 4.9482 | 10.203 | .36828 | 54.190 | .97769 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .03081 | .55908 | .00932 | .00345 | 285.75 | .00107 | .10917 |
| #2 | .03065 | .58945 | .01025 | .00424 | 286.76 | .00202 | .11106 |
| #3 | .03048 | .55956 | .00959 | .00393 | 284.66 | .00069 | .10924 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75457 | .00047 | .01158 | .20403 | .29624 | .00517 | .00207 |
| Stddev | .04918 | .00033 | .00791 | .00062 | .00135 | .00061 | .00118 |
| %RSD   | 6.5170 | 71.081 | 68.267 | .30260 | .45492 | 11.756 | 57.016 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .69790 | .00085 | .02056 | .20332 | .29565 | .00465 | .00178 |
| #2 | .78598 | .00024 | .00854 | .20434 | .29530 | .00584 | .00106 |
| #3 | .77983 | .00032 | .00565 | .20444 | .29779 | .00502 | .00337 |

Sample Name: K1139-04      Acquired: 1/15/2019 19:37:40      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S-2      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00712 | .0118  | .02636 | 4.2946 | F<.00000 |
| Stddev    | .00028 | .0009  | .00017 | .2982  | .60665   |
| %RSD      | 3.8927 | 7.579  | .65841 | 6.9436 | 5.3618   |
| #1        | .00740 | .0121  | .02636 | 4.5171 | -10.880  |
| #2        | .00713 | .0108  | .02654 | 4.4108 | -11.055  |
| #3        | .00685 | .0125  | .02619 | 3.9558 | -12.008  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3202.4 | 40325. | 3756.4 | 106.18 | 3456.9   |
| Stddev    | 13.2   | 179.   | 23.0   | .53    | 15.5     |
| %RSD      | .41370 | .44298 | .61125 | .49763 | .44842   |
| #1        | 3187.3 | 40176. | 3738.4 | 106.28 | 3439.0   |
| #2        | 3207.8 | 40276. | 3748.6 | 105.61 | 3465.1   |
| #3        | 3212.1 | 40523. | 3782.2 | 106.65 | 3466.6   |

Sample Name: K1139-06      Acquired: 1/15/2019 19:42:16      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S-3      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00756 | -.00082 | .00341 | .00196 | .00294 | .06975 | .17529 |
| Stddev | .00312  | .00057  | .00082 | .00468 | .00040 | .00366 | .00750 |
| %RSD   | 41.297  | 69.980  | 24.092 | 238.26 | 13.642 | 5.2497 | 4.2799 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00427 | -.00088 | .00293 | .00449  | .00303 | .06557 | .16666 |
| #2 | -.00795 | -.00136 | .00436 | -.00343 | .00328 | .07123 | .18021 |
| #3 | -.01048 | -.00022 | .00295 | .00483  | .00250 | .07243 | .17901 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00011 | -.00004 | 27.692 | .00077 | .00481 | .01331 | .00396 |
| Stddev | .00003 | .00012  | .970   | .00030 | .00013 | .00028 | .01660 |
| %RSD   | 26.196 | 315.11  | 3.5042 | 39.467 | 2.6707 | 2.1354 | 418.90 |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | .00008 | -.00016 | 26.571 | .00069 | .00467 | .01349 | -.01173 |
| #2 | .00011 | -.00003 | 28.256 | .00111 | .00493 | .01346 | .02134  |
| #3 | .00013 | .00008  | 28.247 | .00052 | .00483 | .01298 | .00228  |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17076 | 15.579 | .01157 | .00452 | 304.62 | .00139 | .06184 |
| Stddev | .00048 | .593   | .00040 | .00075 | 9.11   | .00026 | .00149 |
| %RSD   | .28163 | 3.8065 | 3.4315 | 16.588 | 2.9902 | 18.566 | 2.4155 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17025 | 14.901 | .01177 | .00537 | 294.19 | .00168 | .06012 |
| #2 | .17083 | 15.832 | .01111 | .00422 | 308.71 | .00130 | .06283 |
| #3 | .17121 | 16.003 | .01182 | .00396 | 310.97 | .00119 | .06257 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .84707 | -.00017 | .00451 | .96908 | .47661 | .00768 | -.00079 |
| Stddev | .03859 | .00039  | .01494 | .00121 | .01161 | .00030 | .00237  |
| %RSD   | 4.5554 | 233.26  | 331.66 | .12437 | 2.4349 | 3.8570 | 300.89  |

|    |        |         |         |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|---------|
| #1 | .83326 | .00004  | .02073  | .97023 | .46425 | .00802 | -.00196 |
| #2 | .89066 | -.00061 | .00148  | .96783 | .47832 | .00751 | .00194  |
| #3 | .81729 | .00008  | -.00869 | .96919 | .48727 | .00751 | -.00234 |

Sample Name: K1139-06      Acquired: 1/15/2019 19:42:16      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S-3      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00648 | .0079  | .04765 | 4.4316 | F<.00000 |
| Stddev | .00020 | .0008  | .00172 | .1562  | 5.4920   |
| %RSD   | 3.0779 | 10.24  | 3.6094 | 3.5256 | 63.781   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00671 | .0087 | .04567 | 4.6080 | -10.041 |
| #2 | .00634 | .0071 | .04879 | 4.3106 | -13.246 |
| #3 | .00639 | .0079 | .04848 | 4.3761 | -2.5449 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3225.8 | 40056. | 3853.4 | 110.39 | 3418.9 |
| Stddev    | 8.6    | 81.    | 77.7   | 3.06   | 11.6   |
| %RSD      | .26531 | .20180 | 2.0154 | 2.7683 | .33953 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3216.0 | 39978. | 3941.6 | 113.81 | 3410.3 |
| #2 | 3229.5 | 40051. | 3822.9 | 107.93 | 3414.3 |
| #3 | 3231.8 | 40139. | 3795.6 | 109.43 | 3432.1 |

Sample Name: K1139-08      Acquired: 1/15/2019 19:46:50      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S-4      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00233 | -.00168 | .01607 | -.00065 | .00228 | .16367 | .11911 |
| Stddev | .00057  | .00010  | .00055 | .00371  | .00154 | .00150 | .00077 |
| %RSD   | 24.500  | 5.7970  | 3.3960 | 573.78  | 67.429 | .91724 | .64654 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00219 | -.00158 | .01544 | -.00326 | .00405 | .16281 | .11942 |
| #2 | -.00185 | -.00178 | .01639 | -.00228 | .00142 | .16280 | .11967 |
| #3 | -.00296 | -.00168 | .01639 | .00360  | .00136 | .16541 | .11823 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00005 | .00038 | 13.621 | .00046 | .00807 | .03250 | .17889 |
| Stddev | .00006 | .00005 | .092   | .00024 | .00015 | .00030 | .00403 |
| %RSD   | 117.33 | 13.276 | .67205 | 52.703 | 1.9161 | .91205 | 2.2536 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00001 | .00033 | 13.532 | .00055 | .00825 | .03218 | .18250 |
| #2 | .00011  | .00038 | 13.715 | .00063 | .00795 | .03277 | .17962 |
| #3 | .00005  | .00044 | 13.618 | .00018 | .00802 | .03254 | .17454 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .90167 | 4.8536 | .00805 | .00362 | 309.99 | -.00020 | .13871 |
| Stddev | .00044 | .0251  | .00051 | .00020 | 3.60   | .00051  | .00321 |
| %RSD   | .04844 | .51770 | 6.3856 | 5.5101 | 1.1623 | 255.85  | 2.3117 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .90180 | 4.8563 | .00828 | .00381 | 306.16 | .00025  | .14176 |
| #2 | .90119 | 4.8272 | .00841 | .00364 | 310.51 | -.00010 | .13900 |
| #3 | .90203 | 4.8772 | .00746 | .00341 | 313.31 | -.00075 | .13537 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.5743 | .00037 | .02044 | .20865 | 1.2800 | .00837 | .00105 |
| Stddev | .0135  | .00003 | .00514 | .00336 | .0090  | .00038 | .00039 |
| %RSD   | .85725 | 9.1231 | 25.166 | 1.6120 | .70563 | 4.5506 | 37.418 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.5881 | .00039 | .01812 | .21205 | 1.2727 | .00824 | .00062 |
| #2 | 1.5611 | .00033 | .01686 | .20860 | 1.2901 | .00807 | .00115 |
| #3 | 1.5737 | .00040 | .02633 | .20532 | 1.2773 | .00880 | .00138 |

Sample Name: K1139-08      Acquired: 1/15/2019 19:46:50      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S-4      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00634 | .0177  | .08245 | 4.0468 | F<.00000 |
| Stddev | .00215 | .0019  | .00017 | .2705  | 2.6163   |
| %RSD   | 33.912 | 10.84  | .20417 | 6.6851 | 19.621   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00409 | .0199 | .08228 | 4.3441 | -10.853 |
| #2 | .00657 | .0168 | .08245 | 3.8151 | -16.068 |
| #3 | .00837 | .0163 | .08262 | 3.9812 | -13.081 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3248.7 | 40666. | 3786.8 | 107.25 | 3451.0 |
| Stddev    | 5.5    | 224.   | 22.3   | 2.62   | 10.7   |
| %RSD      | .16782 | .55011 | .58870 | 2.4429 | .31064 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3246.3 | 40420. | 3772.8 | 104.83 | 3441.3 |
| #2 | 3245.0 | 40722. | 3775.1 | 106.88 | 3449.0 |
| #3 | 3255.0 | 40857. | 3812.5 | 110.03 | 3462.5 |

Sample Name: K1139-10      Acquired: 1/15/2019 19:51:24      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S-5      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00603 | -.00057 | .79688 | -.00106 | .00360 | .08910 | .11228 |
| Stddev | .00315  | .00137  | .00407 | .00056  | .00180 | .00840 | .00066 |
| %RSD   | 52.199  | 241.67  | .51120 | 52.887  | 49.983 | 9.4326 | .59184 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00444 | -.00157 | .80085 | -.00044 | .00154 | .09823 | .11259 |
| #2 | -.00966 | .00100  | .79708 | -.00154 | .00441 | .08739 | .11273 |
| #3 | -.00400 | -.00112 | .79271 | -.00119 | .00485 | .08168 | .11152 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00004 | .00125 | 2.5727 | .00010 | .00590 | .03736 | .02154 |
| Stddev | .00006  | .00006 | .0101  | .00026 | .00012 | .00041 | .00339 |
| %RSD   | 151.73  | 5.0080 | .39173 | 266.21 | 1.9962 | 1.1077 | 15.749 |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00003  | .00130 | 2.5696 | .00040  | .00603 | .03761 | .01783 |
| #2 | -.00009 | .00118 | 2.5644 | -.00005 | .00588 | .03688 | .02228 |
| #3 | -.00005 | .00126 | 2.5839 | -.00005 | .00579 | .03759 | .02449 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18019 | .45951 | .00943 | .00472 | 317.30 | .00045 | .30538 |
| Stddev | .00110 | .02337 | .00052 | .00092 | 2.97   | .00039 | .00442 |
| %RSD   | .60868 | 5.0857 | 5.5439 | 19.372 | .93731 | 86.747 | 1.4464 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17897 | .45011 | .01001 | .00577 | 318.39 | .00086 | .31025 |
| #2 | .18110 | .44230 | .00899 | .00435 | 313.93 | .00040 | .30164 |
| #3 | .18049 | .48611 | .00930 | .00405 | 319.57 | .00008 | .30424 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .89723 | -.00035 | .00386 | .93479 | .44040 | .00212 | -.00028 |
| Stddev | .01733 | .00023  | .00908 | .00117 | .00500 | .00065 | .00295  |
| %RSD   | 1.9316 | 67.136  | 234.98 | .12537 | 1.1351 | 30.623 | 1046.5  |

|    |        |         |         |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|---------|
| #1 | .88241 | -.00048 | .00740  | .93512 | .43489 | .00273 | .00155  |
| #2 | .89298 | -.00008 | -.00645 | .93575 | .44465 | .00144 | .00128  |
| #3 | .91629 | -.00049 | .01064  | .93348 | .44165 | .00219 | -.00368 |

Sample Name: K1139-10      Acquired: 1/15/2019 19:51:24      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S-5      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00564 | .0065  | .04422 | 3.9872 | F<.00000 |
| Stddev    | .00098 | .0020  | .00012 | .2235  | 5.1072   |
| %RSD      | 17.364 | 30.02  | .26801 | 5.6054 | 33.972   |
| #1        | .00550 | .0070  | .04417 | 4.2118 | -19.730  |
| #2        | .00668 | .0043  | .04413 | 3.9851 | -9.5968  |
| #3        | .00473 | .0081  | .04436 | 3.7648 | -15.774  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3245.6 | 40447. | 3759.3 | 108.66 | 3484.4   |
| Stddev    | 6.8    | 82.    | 16.5   | 1.36   | 9.8      |
| %RSD      | .21004 | .20394 | .43806 | 1.2546 | .28102   |
| #1        | 3244.4 | 40361. | 3740.6 | 107.13 | 3480.3   |
| #2        | 3239.5 | 40454. | 3766.2 | 109.73 | 3477.4   |
| #3        | 3253.0 | 40525. | 3771.3 | 109.12 | 3495.6   |

Sample Name: K1139-12      Acquired: 1/15/2019 19:55:58      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S-6      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00851 | -.00187 | .02726 | -.00031 | .00632 | .07128 | .15530 |
| Stddev | .00134  | .00061  | .00017 | .00075  | .00088 | .00250 | .00057 |
| %RSD   | 15.763  | 32.442  | .62774 | 241.02  | 13.909 | 3.5042 | .36706 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00767 | -.00229 | .02731 | -.00012 | .00532 | .06894 | .15474 |
| #2 | -.01006 | -.00118 | .02740 | -.00115 | .00695 | .07099 | .15530 |
| #3 | -.00781 | -.00215 | .02707 | .00032  | .00670 | .07391 | .15588 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00011 | .00600 | 5.2799 | .00104 | .02829 | .07719 | .06197 |
| Stddev | .00003 | .00002 | .0176  | .00047 | .00023 | .00031 | .01184 |
| %RSD   | 30.513 | .31689 | .33383 | 45.325 | .82921 | .39905 | 19.109 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00014 | .00602 | 5.2714 | .00092 | .02832 | .07735 | .07281 |
| #2 | .00012 | .00598 | 5.3002 | .00157 | .02851 | .07684 | .04933 |
| #3 | .00008 | .00601 | 5.2682 | .00065 | .02804 | .07739 | .06378 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .27837 | 1.2416 | .01645 | .00340 | 322.27 | .00066 | 2.0113 |
| Stddev | .00031 | .0032  | .00020 | .00048 | 2.01   | .00056 | .0066  |
| %RSD   | .11233 | .25814 | 1.1879 | 14.204 | .62265 | 85.669 | .32845 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .27826 | 1.2395 | .01662 | .00360 | 322.04 | .00059 | 2.0062 |
| #2 | .27813 | 1.2453 | .01649 | .00285 | 320.38 | .00013 | 2.0091 |
| #3 | .27873 | 1.2401 | .01624 | .00375 | 324.37 | .00126 | 2.0188 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0723 | -.00049 | .00753 | .31538 | .80195 | .00342 | .00010 |
| Stddev | .0609  | .00017  | .00026 | .00188 | .00536 | .00084 | .00140 |
| %RSD   | 5.6805 | 34.183  | 3.4473 | .59680 | .66840 | 24.551 | 1456.8 |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | 1.0314 | -.00039 | .00782 | .31323 | .79760 | .00416 | -.00119 |
| #2 | 1.0432 | -.00040 | .00731 | .31671 | .80031 | .00359 | .00158  |
| #3 | 1.1423 | -.00068 | .00747 | .31621 | .80794 | .00251 | -.00010 |

Sample Name: K1139-12      Acquired: 1/15/2019 19:55:58      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S-6      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00231 | .0073  | .05178 | 4.3080 | F<.00000 |
| Stddev    | .00096 | .0005  | .00022 | .1393  | 3.1192   |
| %RSD      | 41.767 | 7.325  | .43008 | 3.2341 | 18.983   |
| #1        | .00309 | .0068  | .05154 | 4.3712 | -15.474  |
| #2        | .00123 | .0071  | .05182 | 4.1483 | -13.903  |
| #3        | .00260 | .0079  | .05198 | 4.4046 | -19.917  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3261.6 | 40584. | 3815.0 | 107.73 | 3478.6   |
| Stddev    | 4.0    | 68.    | 4.0    | .40    | 6.7      |
| %RSD      | .12236 | .16874 | .10510 | .36970 | .19193   |
| #1        | 3257.0 | 40536. | 3814.7 | 107.81 | 3471.9   |
| #2        | 3264.0 | 40662. | 3819.2 | 108.08 | 3485.2   |
| #3        | 3263.8 | 40553. | 3811.2 | 107.29 | 3478.7   |

Sample Name: K1139-14      Acquired: 1/15/2019 20:00:33      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S-7      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00841 | -.00110 | .01235 | -.00117 | .00478 | .14614 | .12579 |
| Stddev | .00338  | .00074  | .00094 | .00102  | .00176 | .01787 | .00141 |
| %RSD   | 40.263  | 67.284  | 7.5888 | 87.028  | 36.859 | 12.225 | 1.1246 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00915 | -.00048 | .01331 | -.00123 | .00393 | .13592 | .12689 |
| #2 | -.00471 | -.00089 | .01144 | -.00216 | .00681 | .13574 | .12629 |
| #3 | -.01136 | -.00192 | .01230 | -.00013 | .00361 | .16677 | .12419 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00003 | .00063 | 1.5655 | .00089 | .00088 | .05292 | .02457 |
| Stddev | .00012 | .00008 | .0147  | .00044 | .00026 | .00070 | .00214 |
| %RSD   | 443.68 | 12.022 | .94122 | 49.903 | 29.879 | 1.3185 | 8.7108 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00009  | .00056 | 1.5580 | .00051 | .00074 | .05350 | .02634 |
| #2 | -.00011 | .00062 | 1.5825 | .00078 | .00119 | .05310 | .02518 |
| #3 | .00009  | .00071 | 1.5560 | .00138 | .00072 | .05214 | .02219 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01163 | .22866 | .00682 | .00407 | 425.14 | .00072 | .24693 |
| Stddev | .00006 | .04059 | .00023 | .00012 | 2.53   | .00031 | .00490 |
| %RSD   | .47445 | 17.751 | 3.3715 | 2.9042 | .59402 | 43.235 | 1.9853 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01160 | .18187 | .00707 | .00406 | 422.34 | .00083 | .24487 |
| #2 | .01159 | .25441 | .00678 | .00395 | 427.24 | .00037 | .24339 |
| #3 | .01169 | .24971 | .00662 | .00419 | 425.84 | .00097 | .25253 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .79590 | -.00018 | .01525 | .53066 | .35200 | .00613 | .00026 |
| Stddev | .06066 | .00044  | .00772 | .00176 | .00091 | .00068 | .00210 |
| %RSD   | 7.6219 | 252.96  | 50.610 | .33174 | .25754 | 11.166 | 822.36 |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | .80246 | -.00033 | .00638 | .53099 | .35284 | .00541 | .00261  |
| #2 | .85302 | .00032  | .01893 | .53224 | .35212 | .00677 | -.00145 |
| #3 | .73223 | -.00052 | .02043 | .52876 | .35104 | .00620 | -.00039 |

Sample Name: K1139-14      Acquired: 1/15/2019 20:00:33      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S-7      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00758 | .0089  | .02304 | 4.3230 | F<.00000 |
| Stddev    | .00268 | .0012  | .00021 | .1548  | .61964   |
| %RSD      | 35.419 | 12.89  | .90189 | 3.5818 | 3.7834   |
| #1        | .00709 | .0078  | .02321 | 4.4577 | -17.081  |
| #2        | .00517 | .0101  | .02281 | 4.3576 | -15.911  |
| #3        | .01047 | .0088  | .02310 | 4.1538 | -16.142  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3256.1 | 40398. | 3812.6 | 108.14 | 3463.3   |
| Stddev    | 10.9   | 209.   | 21.3   | 2.09   | 6.9      |
| %RSD      | .33465 | .51669 | .55774 | 1.9334 | .19984   |
| #1        | 3248.4 | 40290. | 3788.4 | 109.49 | 3469.7   |
| #2        | 3251.2 | 40265. | 3820.9 | 109.20 | 3456.0   |
| #3        | 3268.6 | 40638. | 3828.5 | 105.73 | 3464.2   |

Sample Name: K1139-16      Acquired: 1/15/2019 20:05:09      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S-8      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00867 | -.00133 | .01436 | .00023 | .00453 | .08434 | .04304 |
| Stddev | .00348  | .00133  | .00061 | .00119 | .00262 | .00752 | .00066 |
| %RSD   | 40.188  | 100.08  | 4.2189 | 517.75 | 57.744 | 8.9181 | 1.5263 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.01269 | -.00208 | .01402 | .00035  | .00755 | .08775 | .04279 |
| #2 | -.00647 | .00021  | .01401 | -.00101 | .00286 | .08954 | .04379 |
| #3 | -.00686 | -.00213 | .01506 | .00135  | .00319 | .07571 | .04256 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00001 | .00569 | 5.5330 | .00217 | .00100 | .03071 | .00825 |
| Stddev | .00004 | .00003 | .0101  | .00018 | .00011 | .00030 | .00340 |
| %RSD   | 299.94 | .59269 | .18194 | 8.4203 | 10.542 | .98260 | 41.197 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00004 | .00571 | 5.5362 | .00209 | .00093 | .03051 | .00489 |
| #2 | .00004  | .00571 | 5.5217 | .00238 | .00095 | .03055 | .01169 |
| #3 | .00004  | .00565 | 5.5410 | .00205 | .00112 | .03105 | .00817 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02746 | .46136 | .00879 | .00443 | 475.49 | .00072 | 1.3766 |
| Stddev | .00004 | .05718 | .00075 | .00058 | 9.55   | .00018 | .0476  |
| %RSD   | .16207 | 12.393 | 8.5079 | 12.994 | 2.0085 | 24.668 | 3.4600 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02744 | .41307 | .00941 | .00418 | 468.59 | .00053 | 1.4304 |
| #2 | .02742 | .52449 | .00901 | .00403 | 471.50 | .00073 | 1.3399 |
| #3 | .02751 | .44651 | .00796 | .00509 | 486.39 | .00089 | 1.3596 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .91489 | -.00028 | .00087 | 1.3543 | .92605 | .00178 | .00100 |
| Stddev | .03334 | .00040  | .00540 | .0083  | .01515 | .00065 | .00069 |
| %RSD   | 3.6442 | 140.41  | 618.66 | .60946 | 1.6364 | 36.508 | 69.450 |

|    |        |         |         |        |        |        |        |
|----|--------|---------|---------|--------|--------|--------|--------|
| #1 | .88957 | -.00043 | .00066  | 1.3635 | .92554 | .00140 | .00136 |
| #2 | .90243 | .00017  | .00638  | 1.3475 | .91115 | .00141 | .00142 |
| #3 | .95266 | -.00059 | -.00442 | 1.3519 | .94144 | .00253 | .00020 |

Sample Name: K1139-16      Acquired: 1/15/2019 20:05:09      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S-8      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00852 | .0144  | .06111 | 4.3007 | F<.00000 |
| Stddev | .00074 | .0015  | .00015 | .0853  | .58493   |
| %RSD   | 8.6795 | 10.14  | .25216 | 1.9838 | 5.0707   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00849 | .0159 | .06098 | 4.2545 | -11.647 |
| #2 | .00779 | .0129 | .06107 | 4.3991 | -10.903 |
| #3 | .00927 | .0143 | .06128 | 4.2484 | -12.057 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3227.7 | 40038. | 3773.1 | 106.76 | 3425.8 |
| Stddev    | 10.6   | 65.    | 40.5   | 3.62   | 6.9    |
| %RSD      | .32986 | .16209 | 1.0747 | 3.3862 | .20160 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3232.2 | 40009. | 3771.3 | 102.62 | 3427.3 |
| #2 | 3215.5 | 39993. | 3814.5 | 109.25 | 3418.2 |
| #3 | 3235.3 | 40113. | 3733.5 | 108.43 | 3431.7 |

Sample Name: CCV05      Acquired: 1/15/2019 20:09:42      Type: Unk  
Method: P4-ICP2(v2743)      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    | 4.9168 | 5.1054 | 4.9241 | 5.0347 | 5.1082 | 9.9159 | 10.670 |
| Stddev | .0099  | .0052  | .0059  | .0052  | .0028  | .1022  | .039   |
| %RSD   | .20217 | .10149 | .11907 | .10394 | .05415 | 1.0311 | .36405 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.9261 | 5.1051 | 4.9306 | 5.0406 | 5.1114 | 9.7997 | 10.698 |
| #2 | 4.9063 | 5.1004 | 4.9192 | 5.0307 | 5.1067 | 9.9558 | 10.688 |
| #3 | 4.9180 | 5.1107 | 4.9225 | 5.0328 | 5.1065 | 9.9922 | 10.626 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25593 | 2.4611 | 25.462 | 1.0386 | 2.4763 | 1.2666 | 4.9119 |
| Stddev | .00056 | .0006  | .144   | .0014  | .0017  | .0021  | .0291  |
| %RSD   | .22075 | .02361 | .56676 | .13724 | .06752 | .16432 | .59325 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25653 | 2.4618 | 25.372 | 1.0383 | 2.4779 | 1.2677 | 4.8814 |
| #2 | .25586 | 2.4608 | 25.628 | 1.0373 | 2.4746 | 1.2679 | 4.9147 |
| #3 | .25541 | 2.4607 | 25.385 | 1.0401 | 2.4764 | 1.2642 | 4.9395 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5844 | 25.430 | 2.5503 | 1.2910 | 26.587 | 2.6429 | 2.5292 |
| Stddev | .0058  | .264   | .0017  | .0022  | .142   | .0080  | .0021  |
| %RSD   | .22325 | 1.0380 | .06485 | .17404 | .53320 | .30204 | .08292 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.5911 | 25.137 | 2.5514 | 1.2936 | 26.693 | 2.6496 | 2.5298 |
| #2 | 2.5809 | 25.649 | 2.5484 | 1.2898 | 26.641 | 2.6450 | 2.5308 |
| #3 | 2.5813 | 25.503 | 2.5511 | 1.2896 | 26.426 | 2.6340 | 2.5268 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 26.048 | 5.0715 | 5.1395 | 4.8293 | 5.2681 | 4.9656 | 4.9835 |
| Stddev | .176   | .0061  | .0063  | .0074  | .0414  | .0035  | .0137  |
| %RSD   | .67421 | .12009 | .12171 | .15335 | .78503 | .07012 | .27540 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 26.175 | 5.0751 | 5.1326 | 4.8317 | 5.3076 | 4.9635 | 4.9712 |
| #2 | 26.122 | 5.0749 | 5.1409 | 4.8210 | 5.2716 | 4.9696 | 4.9983 |
| #3 | 25.847 | 5.0645 | 5.1448 | 4.8351 | 5.2251 | 4.9637 | 4.9810 |

Sample Name: CCV05      Acquired: 1/15/2019 20:09:42      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | 5.3014 | 4.993  | 5.0883 | F 3.3175 | F<.00000 |
| Stddev    | .0239  | .013   | .0081  | .0492    | .98834   |
| %RSD      | .45087 | .2661  | .15849 | 1.4832   | 7.3461   |
| #1        | 5.3094 | 4.999  | 5.0885 | 3.3247   | -14.543  |
| #2        | 5.3202 | 4.978  | 5.0963 | 3.2651   | -12.614  |
| #3        | 5.2745 | 5.003  | 5.0802 | 3.3627   | -13.205  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3338.4 | 42225. | 3752.8 | 105.20   | 3511.5   |
| Stddev    | 12.8   | 10.    | 26.6   | .35      | 8.5      |
| %RSD      | .38452 | .02402 | .70814 | .33016   | .24087   |
| #1        | 3328.5 | 42237. | 3729.3 | 105.06   | 3505.7   |
| #2        | 3333.7 | 42223. | 3747.4 | 104.95   | 3507.6   |
| #3        | 3352.9 | 42217. | 3781.7 | 105.60   | 3521.2   |

Sample Name: CCB05      Acquired: 1/15/2019 20:13:41      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00438 | .00145 | .00147 | .00038 | .00417 | .00532 | -.00121 |
| Stddev | .00361  | .00150 | .00099 | .00090 | .00143 | .01361 | .00116  |
| %RSD   | 82.503  | 103.83 | 67.102 | 235.28 | 34.201 | 256.09 | 96.135  |

|    |         |        |        |         |        |         |         |
|----|---------|--------|--------|---------|--------|---------|---------|
| #1 | -.00690 | .00316 | .00036 | .00111  | .00450 | -.01040 | -.00007 |
| #2 | -.00024 | .00036 | .00225 | -.00063 | .00540 | .01347  | -.00240 |
| #3 | -.00599 | .00082 | .00179 | .00067  | .00261 | .01288  | -.00116 |

|        |        |         |         |        |        |         |         |
|--------|--------|---------|---------|--------|--------|---------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00008 | -.00021 | -.00978 | .00008 | .00048 | -.00137 | -.00454 |
| Stddev | .00005 | .00005  | .02114  | .00030 | .00025 | .00053  | .00283  |
| %RSD   | 64.584 | 21.624  | 216.20  | 372.34 | 52.289 | 38.487  | 62.241  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00003 | -.00026 | -.00338 | -.00026 | .00024 | -.00195 | -.00366 |
| #2 | .00007 | -.00016 | -.03337 | .00023  | .00074 | -.00094 | -.00770 |
| #3 | .00013 | -.00021 | .00742  | .00027  | .00045 | -.00120 | -.00226 |

|        |        |         |        |          |        |        |        |
|--------|--------|---------|--------|----------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .00009 | -.00707 | .00168 | F .00315 | .27016 | .00061 | .00008 |
| Stddev | .00004 | .02792  | .00034 | .00031   | .01031 | .00035 | .00010 |
| %RSD   | 42.436 | 395.10  | 19.952 | 9.9922   | 3.8181 | 57.533 | 123.17 |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | .00009 | .01344  | .00158 | .00300 | .28188 | .00027 | .00019  |
| #2 | .00014 | -.03886 | .00142 | .00293 | .26614 | .00058 | -.00001 |
| #3 | .00006 | .00422  | .00206 | .00351 | .26246 | .00097 | .00007  |

|        |        |         |         |        |        |        |         |
|--------|--------|---------|---------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .32998 | -.00022 | -.00122 | .00174 | .00563 | .00159 | -.00156 |
| Stddev | .04346 | .00022  | .00093  | .00082 | .00126 | .00071 | .00131  |
| %RSD   | 13.171 | 103.01  | 76.529  | 47.074 | 22.389 | 44.593 | 84.149  |

|    |        |         |         |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|---------|
| #1 | .28840 | -.00026 | -.00031 | .00199 | .00521 | .00187 | -.00284 |
| #2 | .32643 | -.00041 | -.00117 | .00240 | .00464 | .00212 | -.00022 |
| #3 | .37510 | .00002  | -.00218 | .00082 | .00705 | .00078 | -.00161 |

Sample Name: CCB05      Acquired: 1/15/2019 20:13:41      Type: Unk  
 Method: P4-ICP2(v2743)      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    | -.00169 | .0038  | -.00041 | F .49965 | F<.00000 |
| Stddev | .00091  | .0006  | .00004  | .13226   | 2.1576   |
| %RSD   | 53.926  | 15.10  | 10.118  | 26.471   | 8.6100   |

|    |         |       |         |        |         |
|----|---------|-------|---------|--------|---------|
| #1 | -.00265 | .0031 | -.00036 | .50560 | -24.700 |
| #2 | -.00161 | .0039 | -.00041 | .36451 | -23.105 |
| #3 | -.00083 | .0043 | -.00044 | .62882 | -27.375 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3504.1 | 44926. | 3814.9 | 109.52 | 3991.8 |
| Stddev    | 11.0   | 103.   | 23.9   | 1.78   | 6.4    |
| %RSD      | .31274 | .22900 | .62566 | 1.6283 | .16138 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3493.6 | 44828. | 3813.7 | 109.00 | 3985.4 |
| #2 | 3503.0 | 45033. | 3839.4 | 111.51 | 3991.7 |
| #3 | 3515.5 | 44916. | 3791.7 | 108.06 | 3998.3 |

Sample Name: K1139-18      Acquired: 1/15/2019 20:18:09      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S-9      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00726 | -.00150 | .00778 | .00115 | .00693 | .08720 | .06253 |
| Stddev | .00067  | .00177  | .00121 | .00250 | .00110 | .00409 | .00403 |
| %RSD   | 9.1992  | 117.78  | 15.524 | 218.41 | 15.921 | 4.6935 | 6.4428 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00753 | .00033  | .00898 | .00247  | .00684 | .08301 | .06247 |
| #2 | -.00776 | -.00319 | .00656 | -.00174 | .00588 | .08741 | .05853 |
| #3 | -.00650 | -.00163 | .00779 | .00271  | .00808 | .09119 | .06659 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00004 | .00041 | 3.3350 | .00125 | .00059 | .00457 | .00082 |
| Stddev | .00010 | .00010 | .1096  | .00031 | .00011 | .00051 | .01017 |
| %RSD   | 254.73 | 24.562 | 3.2859 | 24.628 | 18.586 | 11.181 | 1246.8 |

|    |         |        |        |        |        |        |         |
|----|---------|--------|--------|--------|--------|--------|---------|
| #1 | .00007  | .00031 | 3.2590 | .00095 | .00063 | .00504 | .01233  |
| #2 | -.00007 | .00051 | 3.2854 | .00124 | .00046 | .00402 | -.00697 |
| #3 | .00012  | .00041 | 3.4606 | .00157 | .00066 | .00464 | -.00291 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00608 | .50677 | .00617 | .00399 | 449.30 | .00143 | .20524 |
| Stddev | .00003 | .04839 | .00057 | .00052 | 1.94   | .00021 | .00434 |
| %RSD   | .46117 | 9.5483 | 9.2435 | 13.018 | .43164 | 14.379 | 2.1127 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00612 | .49984 | .00681 | .00399 | 448.93 | .00157 | .20101 |
| #2 | .00607 | .55824 | .00599 | .00451 | 451.40 | .00153 | .20502 |
| #3 | .00607 | .46221 | .00571 | .00347 | 447.58 | .00120 | .20967 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .69204 | -.00032 | .00452 | .17436 | .23658 | .00277 | -.00014 |
| Stddev | .04036 | .00030  | .00203 | .00106 | .00522 | .00107 | .00229  |
| %RSD   | 5.8316 | 96.395  | 44.871 | .61052 | 2.2051 | 38.663 | 1591.6  |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | .65151 | -.00066 | .00221 | .17546 | .23146 | .00255 | -.00231 |
| #2 | .69237 | -.00019 | .00536 | .17431 | .23637 | .00183 | .00225  |
| #3 | .73222 | -.00009 | .00600 | .17333 | .24189 | .00393 | -.00038 |

Sample Name: K1139-18      Acquired: 1/15/2019 20:18:09      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S-9      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00450 | .0106  | .04410 | 4.1335 | F<.00000 |
| Stddev    | .00093 | .0027  | .00133 | .4265  | .78280   |
| %RSD      | 20.584 | 25.27  | 3.0225 | 10.319 | 5.2416   |
| #1        | .00549 | .0083  | .04345 | 4.6253 | -14.628  |
| #2        | .00435 | .0101  | .04321 | 3.8649 | -14.352  |
| #3        | .00365 | .0136  | .04563 | 3.9104 | -15.824  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3232.8 | 40401. | 3721.5 | 104.37 | 3407.6   |
| Stddev    | 2.4    | 109.   | 60.8   | 2.21   | 8.9      |
| %RSD      | .07401 | .27048 | 1.6341 | 2.1213 | .26062   |
| #1        | 3231.8 | 40301. | 3747.5 | 106.31 | 3407.8   |
| #2        | 3231.1 | 40386. | 3765.0 | 104.85 | 3416.4   |
| #3        | 3235.5 | 40517. | 3652.0 | 101.96 | 3398.7   |

Sample Name: K1139-20      Acquired: 1/15/2019 20:22:44      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CONCRETE      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01132 | -.00119 | .00591 | .00082 | .00355 | .10970 | .15025 |
| Stddev | .00113  | .00093  | .00056 | .00228 | .00188 | .01488 | .00189 |
| %RSD   | 10.005  | 78.165  | 9.4342 | 278.30 | 52.926 | 13.566 | 1.2572 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.01210 | -.00130 | .00653 | -.00107 | .00539 | .12668 | .14958 |
| #2 | -.01002 | -.00021 | .00543 | .00335  | .00164 | .10348 | .15238 |
| #3 | -.01184 | -.00205 | .00579 | .00017  | .00360 | .09893 | .14879 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00003 | -.00031 | 219.35 | .00112 | .00066 | .00033 | -.05800 |
| Stddev | .00003 | .00001  | .90    | .00033 | .00024 | .00025 | .00252  |
| %RSD   | 110.64 | 3.4008  | .40989 | 29.334 | 36.557 | 76.091 | 4.3440  |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | .00006 | -.00030 | 218.34 | .00074 | .00085 | .00061 | -.05943 |
| #2 | .00001 | -.00030 | 219.62 | .00136 | .00076 | .00021 | -.05509 |
| #3 | .00001 | -.00032 | 220.08 | .00125 | .00039 | .00016 | -.05948 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05737 | 5.2338 | .00276 | .00310 | 475.17 | .00311 | .00955 |
| Stddev | .00034 | .0139  | .00014 | .00038 | 2.43   | .00057 | .00009 |
| %RSD   | .59640 | .26536 | 5.2114 | 12.282 | .51047 | 18.322 | .93448 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .05748 | 5.2457 | .00259 | .00312 | 474.69 | .00293 | .00949 |
| #2 | .05764 | 5.2373 | .00285 | .00272 | 473.02 | .00374 | .00951 |
| #3 | .05699 | 5.2186 | .00283 | .00348 | 477.80 | .00265 | .00966 |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 1.7067 | .00056 | .04701 | 4.5204 | 4.9012 | .00316 | -.00688 |
| Stddev | .0242  | .00021 | .00301 | .0177  | .0311  | .00061 | .00161  |
| %RSD   | 1.4156 | 36.788 | 6.3992 | .39268 | .63397 | 19.243 | 23.468  |

|    |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|---------|
| #1 | 1.6789 | .00068 | .04820 | 4.5023 | 4.9113 | .00249 | -.00874 |
| #2 | 1.7218 | .00069 | .04359 | 4.5377 | 4.9259 | .00368 | -.00588 |
| #3 | 1.7196 | .00032 | .04924 | 4.5212 | 4.8663 | .00330 | -.00602 |

Sample Name: K1139-20      Acquired: 1/15/2019 20:22:44      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CONCRETE      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .02455 | .0088  | 1.3299 | 4.9697 | F<.00000 |
| Stddev    | .00066 | .0007  | .0070  | .2476  | 4.1881   |
| %RSD      | 2.6990 | 7.947  | .52381 | 4.9815 | 68.600   |
| #1        | .02396 | .0094  | 1.3227 | 4.8593 | -9.8790  |
| #2        | .02527 | .0090  | 1.3304 | 4.7965 | -6.8371  |
| #3        | .02442 | .0081  | 1.3366 | 5.2532 | -1.5993  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3117.3 | 39238. | 3686.4 | 103.77 | 3256.4   |
| Stddev    | 11.8   | 74.    | 17.4   | .95    | 16.7     |
| %RSD      | .37710 | .18902 | .47320 | .91362 | .51430   |
| #1        | 3109.0 | 39244. | 3671.1 | 103.63 | 3250.0   |
| #2        | 3112.2 | 39161. | 3682.7 | 104.78 | 3243.8   |
| #3        | 3130.8 | 39309. | 3705.4 | 102.90 | 3275.4   |

Sample Name: K1144-01      Acquired: 1/15/2019 20:27:17      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AB      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00897 | -.00187 | .00521 | .00153 | .00586 | .08631 | .12987 |
| Stddev | .00252  | .00057  | .00037 | .00171 | .00158 | .01087 | .00150 |
| %RSD   | 28.151  | 30.275  | 7.0318 | 111.92 | 26.927 | 12.593 | 1.1580 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.01161 | -.00218 | .00536 | .00130  | .00688 | .08429 | .13143 |
| #2 | -.00870 | -.00122 | .00548 | .00334  | .00404 | .09805 | .12842 |
| #3 | -.00659 | -.00222 | .00479 | -.00006 | .00665 | .07659 | .12976 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00009 | .04176 | 2.5692 | .01596 | .00084 | .05294 | .17032 |
| Stddev | .00010  | .00007 | .0111  | .00026 | .00035 | .00045 | .00423 |
| %RSD   | 114.31  | .15975 | .43305 | 1.6368 | 41.687 | .85025 | 2.4817 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00002  | .04168 | 2.5788 | .01625 | .00044 | .05326 | .17103 |
| #2 | -.00017 | .04181 | 2.5718 | .01589 | .00110 | .05242 | .16578 |
| #3 | -.00011 | .04178 | 2.5570 | .01575 | .00096 | .05313 | .17414 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .10373 | .33677 | .00667 | .00441 | 435.27 | .00095 | .50154 |
| Stddev | .00078 | .04555 | .00014 | .00015 | 6.22   | .00019 | .00295 |
| %RSD   | .75197 | 13.524 | 2.0757 | 3.4810 | 1.4285 | 20.297 | .58781 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .10423 | .38530 | .00673 | .00428 | 442.44 | .00101 | .50494 |
| #2 | .10283 | .33006 | .00677 | .00439 | 431.39 | .00112 | .49978 |
| #3 | .10413 | .29496 | .00651 | .00458 | 431.97 | .00074 | .49988 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77576 | .00020 | .01707 | .31901 | .07592 | .00880 | .00062 |
| Stddev | .01870 | .00007 | .01370 | .00356 | .00291 | .00108 | .00138 |
| %RSD   | 2.4105 | 35.675 | 80.251 | 1.1157 | 3.8348 | 12.314 | 224.10 |

|    |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|---------|
| #1 | .79001 | .00026 | .00176 | .31766 | .07428 | .00758 | .00056  |
| #2 | .78269 | .00021 | .02815 | .31632 | .07420 | .00920 | .00203  |
| #3 | .75459 | .00012 | .02129 | .32304 | .07929 | .00963 | -.00073 |

Sample Name: K1144-01      Acquired: 1/15/2019 20:27:17      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AB      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00678 | .0637  | .00735 | 4.1454 | F<.00000 |
| Stddev | .00310 | .0008  | .00017 | .1313  | 2.2447   |
| %RSD   | 45.737 | 1.284  | 2.2531 | 3.1671 | 14.546   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00558 | .0632 | .00747 | 4.0083 | -15.200 |
| #2 | .00446 | .0633 | .00716 | 4.2700 | -17.783 |
| #3 | .01031 | .0647 | .00742 | 4.1578 | -13.312 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3229.0 | 40281. | 3679.3 | 103.71 | 3408.2 |
| Stddev    | 9.3    | 135.   | 23.2   | .55    | 8.7    |
| %RSD      | .28778 | .33545 | .63138 | .53207 | .25540 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3218.3 | 40197. | 3657.7 | 103.08 | 3417.9 |
| #2 | 3233.8 | 40437. | 3703.9 | 104.10 | 3401.2 |
| #3 | 3234.8 | 40209. | 3676.3 | 103.94 | 3405.5 |

Sample Name: K1144-02      Acquired: 1/15/2019 20:31:51      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CD      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01089 | -.00138 | .00564 | .00106 | .00652 | .08006 | .13780 |
| Stddev | .00122  | .00115  | .00058 | .00049 | .00108 | .00503 | .00126 |
| %RSD   | 11.184  | 83.753  | 10.312 | 45.923 | 16.507 | 6.2784 | .91183 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.01201 | -.00249 | .00509 | .00050 | .00700 | .07527 | .13820 |
| #2 | -.00959 | -.00145 | .00559 | .00127 | .00727 | .07962 | .13881 |
| #3 | -.01106 | -.00019 | .00625 | .00141 | .00529 | .08529 | .13639 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | .01218 | 4.0279 | .01374 | .00188 | .02643 | .30621 |
| Stddev | .00007  | .00002 | .0127  | .00039 | .00014 | .00047 | .00885 |
| %RSD   | 140.93  | .17759 | .31462 | 2.8385 | 7.4510 | 1.7743 | 2.8906 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00012 | .01218 | 4.0147 | .01390 | .00184 | .02609 | .31637 |
| #2 | .00003  | .01220 | 4.0291 | .01402 | .00203 | .02697 | .30208 |
| #3 | -.00007 | .01216 | 4.0400 | .01330 | .00176 | .02624 | .30017 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04415 | .26333 | .00658 | .00434 | 400.20 | .00108 | .93985 |
| Stddev | .00008 | .04733 | .00040 | .00038 | 3.96   | .00055 | .00622 |
| %RSD   | .17709 | 17.973 | 6.0234 | 8.8200 | .98895 | 50.288 | .66160 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04406 | .24032 | .00698 | .00414 | 396.63 | .00068 | .94535 |
| #2 | .04419 | .23191 | .00619 | .00478 | 404.45 | .00087 | .94110 |
| #3 | .04420 | .31777 | .00658 | .00410 | 399.50 | .00171 | .93311 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .98893 | -.00025 | .01783 | .32090 | .07476 | .00218 | .00110 |
| Stddev | .03224 | .00014  | .01619 | .00346 | .00246 | .00045 | .00147 |
| %RSD   | 3.2604 | 55.887  | 90.759 | 1.0779 | 3.2966 | 20.872 | 133.35 |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | .97631 | -.00041 | .02159 | .32087 | .07756 | .00260 | .00273  |
| #2 | 1.0256 | -.00016 | .03181 | .31745 | .07384 | .00223 | .00071  |
| #3 | .96491 | -.00018 | .00010 | .32437 | .07289 | .00170 | -.00013 |

Sample Name: K1144-02      Acquired: 1/15/2019 20:31:51      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CD      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00424 | .2017  | .01536 | 4.1415 | F<.00000 |
| Stddev    | .00263 | .0032  | .00012 | .1711  | 1.4465   |
| %RSD      | 61.962 | 1.567  | .80210 | 4.1314 | 9.6945   |
| #1        | .00346 | .2053  | .01550 | 3.9541 | -15.091  |
| #2        | .00717 | .1996  | .01531 | 4.2894 | -16.274  |
| #3        | .00209 | .2001  | .01527 | 4.1809 | -13.396  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3232.6 | 40409. | 3674.0 | 106.18 | 3427.7   |
| Stddev    | 8.7    | 101.   | 25.1   | .86    | 10.3     |
| %RSD      | .26952 | .24901 | .68278 | .81124 | .30117   |
| #1        | 3224.9 | 40524. | 3663.4 | 105.58 | 3420.9   |
| #2        | 3230.8 | 40367. | 3655.9 | 105.80 | 3422.7   |
| #3        | 3242.0 | 40337. | 3702.6 | 107.17 | 3439.6   |

Sample Name: K1144-03      Acquired: 1/15/2019 20:36:26      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OIL      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |         |
|--------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00582 | -.00074 | .00073 | -.00120 | .00546 | .01569 | -.00281 |
| Stddev | .00370  | .00062  | .00179 | .00343  | .00195 | .00912 | .00107  |
| %RSD   | 63.577  | 84.130  | 247.10 | 285.57  | 35.759 | 58.112 | 38.264  |

|    |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|--------|--------|---------|
| #1 | -.00892 | -.00143 | .00065  | .00272  | .00758 | .02497 | -.00268 |
| #2 | -.00680 | -.00056 | -.00103 | -.00266 | .00374 | .00675 | -.00394 |
| #3 | -.00173 | -.00023 | .00256  | -.00367 | .00505 | .01536 | -.00180 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | -.00021 | .12318 | .00097 | .00028 | .00246 | .02846 |
| Stddev | .00005  | .00011  | .00923 | .00020 | .00024 | .00069 | .01653 |
| %RSD   | 83.981  | 49.943  | 7.4945 | 20.717 | 87.689 | 28.069 | 58.089 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00002 | -.00030 | .12373 | .00120 | .00053 | .00166 | .04377 |
| #2 | -.00006 | -.00025 | .11369 | .00084 | .00024 | .00288 | .03068 |
| #3 | -.00012 | -.00009 | .13213 | .00087 | .00006 | .00283 | .01093 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00162 | -.00591 | .00274 | .00223 | .78494 | .00099 | .02503 |
| Stddev | .00005 | .03765  | .00034 | .00026 | .04258 | .00013 | .00027 |
| %RSD   | 2.8691 | 637.25  | 12.532 | 11.821 | 5.4242 | 13.215 | 1.0787 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00165 | -.01138 | .00264 | .00232 | .83150 | .00094 | .02515 |
| #2 | .00157 | -.04052 | .00313 | .00243 | .77532 | .00089 | .02472 |
| #3 | .00164 | .03418  | .00246 | .00193 | .74799 | .00114 | .02521 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .41256 | -.00011 | .00833 | 2.6921 | .01068 | .00173 | .00221 |
| Stddev | .02352 | .00007  | .00307 | .0071  | .00160 | .00091 | .00164 |
| %RSD   | 5.7006 | 60.877  | 36.858 | .26299 | 15.018 | 52.270 | 74.130 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .40151 | -.00014 | .01155 | 2.6979 | .01090 | .00089 | .00184 |
| #2 | .43957 | -.00003 | .00801 | 2.6842 | .01216 | .00269 | .00400 |
| #3 | .39660 | -.00015 | .00543 | 2.6940 | .00898 | .00161 | .00079 |

Sample Name: K1144-03      Acquired: 1/15/2019 20:36:26      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OIL      Custom ID2:      Custom ID3:  
Comment:

|           |         |        |         |        |          |
|-----------|---------|--------|---------|--------|----------|
| Elem      | Li6707  | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units     | ppm     | ppm    | ppm     | ppm    | ppm      |
| Avg       | .00033  | .0091  | -.00034 | .51048 | F<.00000 |
| Stddev    | .00233  | .0004  | .00003  | .14643 | 1.1135   |
| %RSD      | 697.05  | 4.896  | 7.6436  | 28.684 | 3.8125   |
| #1        | .00166  | .0096  | -.00036 | .40399 | -30.024  |
| #2        | -.00235 | .0087  | -.00031 | .45000 | -29.659  |
| #3        | .00170  | .0089  | -.00035 | .67746 | -27.939  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 3472.2  | 45205. | 3797.5  | 108.87 | 3974.2   |
| Stddev    | 15.3    | 58.    | 11.7    | 1.03   | 21.3     |
| %RSD      | .44019  | .12777 | .30879  | .94747 | .53637   |
| #1        | 3456.2  | 45248. | 3784.5  | 108.48 | 3949.9   |
| #2        | 3473.7  | 45139. | 3800.8  | 110.04 | 3983.2   |
| #3        | 3486.6  | 45228. | 3807.2  | 108.09 | 3989.6   |

Sample Name: K1139-22      Acquired: 1/15/2019 20:40:54      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T-CONTAINMEN      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00425 | .00005 | .01487 | -.00140 | .00725 | .10503 | .00459 |
| Stddev | .00270  | .00080 | .00061 | .00208  | .00136 | .00918 | .00062 |
| %RSD   | 63.581  | 1732.4 | 4.1323 | 149.26  | 18.726 | 8.7406 | 13.509 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00114 | .00074  | .01558 | .00033  | .00740 | .10326 | .00398 |
| #2 | -.00556 | -.00083 | .01453 | -.00081 | .00852 | .11496 | .00522 |
| #3 | -.00603 | .00023  | .01450 | -.00371 | .00582 | .09686 | .00459 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00006 | -.00006 | 2.0026 | .00065 | .00040 | .02433 | .19599 |
| Stddev | .00007 | .00009  | .0108  | .00035 | .00026 | .00062 | .00320 |
| %RSD   | 118.26 | 134.86  | .53866 | 53.598 | 63.516 | 2.5559 | 1.6330 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | .00007  | .00002  | 1.9989 | .00052 | .00032 | .02503 | .19239 |
| #2 | -.00002 | -.00015 | 2.0147 | .00105 | .00069 | .02383 | .19851 |
| #3 | .00013  | -.00007 | 1.9941 | .00039 | .00020 | .02413 | .19707 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01697 | .25610 | .00159 | .00347 | 2.5207 | .00137 | .12869 |
| Stddev | .00012 | .02203 | .00028 | .00028 | .0188  | .00044 | .00302 |
| %RSD   | .72436 | 8.6013 | 17.665 | 8.0429 | .74684 | 31.741 | 2.3460 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01697 | .23098 | .00149 | .00369 | 2.5040 | .00095 | .13051 |
| #2 | .01709 | .26524 | .00137 | .00356 | 2.5171 | .00135 | .12520 |
| #3 | .01684 | .27210 | .00191 | .00316 | 2.5411 | .00182 | .13034 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54769 | -.00019 | .00563 | .20213 | .34938 | .00020 | .00166 |
| Stddev | .01956 | .00037  | .00509 | .00224 | .00513 | .00030 | .00182 |
| %RSD   | 3.5721 | 195.39  | 90.463 | 1.1083 | 1.4696 | 148.79 | 110.04 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | .54220 | -.00020 | .00114 | .20092 | .35381 | .00039  | .00373 |
| #2 | .53146 | -.00055 | .01116 | .20074 | .34375 | .00036  | .00093 |
| #3 | .56941 | .00019  | .00458 | .20471 | .35058 | -.00015 | .00030 |

Sample Name: K1139-22      Acquired: 1/15/2019 20:40:54      Type: Unk  
 Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: T-CONTAINMEN Custom ID2:      Custom ID3:  
 Comment:

|           |         |        |        |        |          |
|-----------|---------|--------|--------|--------|----------|
| Elem      | Li6707  | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm     | ppm    | ppm    | ppm    | ppm      |
| Avg       | -.00155 | .0132  | .01197 | .63213 | F<.00000 |
| Stddev    | .00074  | .0014  | .00010 | .15800 | 1.5740   |
| %RSD      | 47.640  | 10.28  | .82176 | 24.995 | 5.5465   |
| #1        | -.00135 | .0119  | .01198 | .58065 | -27.716  |
| #2        | -.00093 | .0130  | .01186 | .50629 | -27.245  |
| #3        | -.00236 | .0146  | .01206 | .80946 | -30.176  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3524.7  | 45177. | 3784.9 | 109.86 | 4004.9   |
| Stddev    | 2.0     | 147.   | 32.2   | 2.75   | 5.6      |
| %RSD      | .05547  | .32636 | .85189 | 2.5054 | .14037   |
| #1        | 3523.6  | 45201. | 3761.1 | 108.33 | 3998.4   |
| #2        | 3523.6  | 45020. | 3821.6 | 113.04 | 4008.5   |
| #3        | 3527.0  | 45312. | 3771.9 | 108.23 | 4007.8   |

Sample Name: K1139-22DUP      Acquired: 1/15/2019 20:45:22      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T-CONTAINMEN      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00551 | .00053 | .01463 | -.00171 | .00706 | .08287 | .00541 |
| Stddev | .00265  | .00113 | .00155 | .00166  | .00064 | .01294 | .00029 |
| %RSD   | 48.018  | 212.62 | 10.578 | 96.674  | 9.0513 | 15.619 | 5.3888 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00269 | .00059  | .01284 | -.00226 | .00773 | .09730 | .00566 |
| #2 | -.00590 | .00164  | .01545 | .00015  | .00646 | .07900 | .00509 |
| #3 | -.00794 | -.00063 | .01559 | -.00302 | .00699 | .07230 | .00548 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00005 | -.00008 | 2.0100 | .00026 | .00060 | .02425 | .19339 |
| Stddev | .00007 | .00003  | .0073  | .00050 | .00005 | .00080 | .00635 |
| %RSD   | 138.47 | 36.532  | .36399 | 190.25 | 8.4210 | 3.2817 | 3.2838 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00000 | -.00011 | 2.0070 | .00082  | .00061 | .02489 | .19335 |
| #2 | .00014  | -.00007 | 2.0183 | .00015  | .00054 | .02450 | .18705 |
| #3 | .00002  | -.00005 | 2.0047 | -.00017 | .00064 | .02336 | .19976 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01692 | .24832 | .00174 | .00302 | 2.4131 | .00123 | .12845 |
| Stddev | .00007 | .03640 | .00014 | .00065 | .0223  | .00058 | .00221 |
| %RSD   | .42989 | 14.659 | 8.1546 | 21.538 | .92400 | 46.727 | 1.7193 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01685 | .27149 | .00158 | .00254 | 2.3922 | .00118 | .12990 |
| #2 | .01691 | .20636 | .00177 | .00276 | 2.4107 | .00069 | .12953 |
| #3 | .01699 | .26710 | .00186 | .00376 | 2.4366 | .00183 | .12591 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .53329 | -.00023 | -.00075 | .20271 | .35066 | .00036 | .00164 |
| Stddev | .04672 | .00019  | .00562  | .00431 | .00500 | .00059 | .00327 |
| %RSD   | 8.7614 | 81.674  | 754.62  | 2.1251 | 1.4257 | 167.25 | 199.57 |

|    |        |         |         |        |        |         |         |
|----|--------|---------|---------|--------|--------|---------|---------|
| #1 | .56877 | -.00003 | -.00652 | .20583 | .35562 | .00012  | .00029  |
| #2 | .55074 | -.00027 | -.00043 | .20451 | .34562 | -.00008 | .00537  |
| #3 | .48035 | -.00040 | .00471  | .19780 | .35074 | .00103  | -.00074 |

Sample Name: K1139-22DUP      Acquired: 1/15/2019 20:45:22      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T-CONTAINMEN Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |        |          |
|--------|---------|--------|--------|--------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm      |
| Avg    | -.00385 | .0137  | .01208 | .82166 | F<.00000 |
| Stddev | .00312  | .0012  | .00011 | .28054 | 2.3143   |
| %RSD   | 81.079  | 9.115  | .87760 | 34.143 | 8.1788   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.00649 | .0145 | .01201 | 1.0960 | -26.285 |
| #2 | -.00464 | .0143 | .01204 | .83359 | -30.826 |
| #3 | -.00041 | .0123 | .01220 | .53534 | -27.779 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3511.3 | 45102. | 3759.6 | 109.69 | 3999.4 |
| Stddev    | 1.5    | 16.    | 23.3   | 1.64   | 4.6    |
| %RSD      | .04311 | .03593 | .61903 | 1.4990 | .11492 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3510.2 | 45118. | 3733.2 | 108.68 | 3997.1 |
| #2 | 3510.7 | 45086. | 3777.3 | 108.80 | 3996.4 |
| #3 | 3513.0 | 45101. | 3768.4 | 111.58 | 4004.7 |

Sample Name: K1139-22LX5      Acquired: 1/15/2019 20:49:50      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00895 | .00059 | .00376 | -.00105 | .00416 | .01916 | .00009 |
| Stddev | .00168  | .00016 | .00056 | .00037  | .00197 | .00543 | .00057 |
| %RSD   | 18.756  | 27.245 | 14.956 | 35.324  | 47.317 | 28.313 | 635.36 |

|    |         |        |        |         |        |        |         |
|----|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.01042 | .00045 | .00418 | -.00134 | .00324 | .01869 | .00042  |
| #2 | -.00712 | .00055 | .00397 | -.00119 | .00641 | .02481 | -.00057 |
| #3 | -.00932 | .00077 | .00312 | -.00063 | .00282 | .01399 | .00042  |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00004 | -.00015 | .41749 | .00025 | .00059 | .00457 | .03329 |
| Stddev | .00003 | .00005  | .01075 | .00016 | .00032 | .00032 | .00745 |
| %RSD   | 71.021 | 30.957  | 2.5742 | 63.527 | 54.012 | 7.0577 | 22.379 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00004 | -.00020 | .42990 | .00023 | .00038 | .00493 | .02530 |
| #2 | .00001 | -.00016 | .41120 | .00011 | .00043 | .00449 | .03453 |
| #3 | .00007 | -.00011 | .41136 | .00042 | .00095 | .00430 | .04004 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00367 | .04929 | .00142 | .00363 | .64766 | .00135 | .02662 |
| Stddev | .00008 | .04207 | .00007 | .00053 | .01212 | .00049 | .00059 |
| %RSD   | 2.1846 | 85.338 | 4.9418 | 14.584 | 1.8711 | 36.465 | 2.1983 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00359 | .01649 | .00145 | .00339 | .63368 | .00173 | .02726 |
| #2 | .00368 | .09672 | .00134 | .00327 | .65515 | .00153 | .02612 |
| #3 | .00375 | .03468 | .00147 | .00424 | .65415 | .00079 | .02648 |

|        |        |         |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|---------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .32971 | -.00020 | .00362 | .04361 | .07513 | -.00018 | -.00067 |
| Stddev | .01875 | .00014  | .00736 | .00263 | .00454 | .00014  | .00271  |
| %RSD   | 5.6859 | 69.853  | 203.42 | 6.0226 | 6.0463 | 80.264  | 407.99  |

|    |        |         |         |        |        |         |         |
|----|--------|---------|---------|--------|--------|---------|---------|
| #1 | .34110 | -.00034 | -.00456 | .04663 | .07216 | -.00029 | .00172  |
| #2 | .33994 | -.00006 | .00570  | .04186 | .08036 | -.00022 | -.00362 |
| #3 | .30807 | -.00021 | .00971  | .04235 | .07288 | -.00002 | -.00010 |

Sample Name: K1139-22LX5      Acquired: 1/15/2019 20:49:50      Type: Unk  
 Method: P4-ICP2(v2743)      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    | -.00592 | .0069  | .00208 | .88852 | F<.00000 |
| Stddev | .00073  | .0009  | .00010 | .26352 | 2.1855   |
| %RSD   | 12.319  | 12.38  | 4.8381 | 29.658 | 7.3371   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.00592 | .0060 | .00200 | .98330 | -32.054 |
| #2 | -.00665 | .0076 | .00204 | .59072 | -27.693 |
| #3 | -.00519 | .0073 | .00219 | 1.0915 | -29.613 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3498.3 | 45059. | 3725.1 | 109.12 | 3966.7 |
| Stddev    | 4.6    | 137.   | 4.5    | 2.25   | 4.9    |
| %RSD      | .13245 | .30416 | .12045 | 2.0638 | .12392 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3501.3 | 45064. | 3724.0 | 106.64 | 3961.8 |
| #2 | 3493.0 | 45194. | 3721.2 | 111.04 | 3966.8 |
| #3 | 3500.7 | 44920. | 3730.0 | 109.68 | 3971.6 |

Sample Name: K1139-22MS      Acquired: 1/15/2019 20:54:20      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T-CONTAINMEN      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .71207 | 1.9461 | .91492 | 1.8842 | .76039 | 1.8556 | .21595 |
| Stddev | .00478 | .0029  | .00076 | .0067  | .00360 | .0055  | .00077 |
| %RSD   | .67159 | .14941 | .08309 | .35515 | .47329 | .29731 | .35545 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .71018 | 1.9479 | .91576 | 1.8914 | .76243 | 1.8503 | .21515 |
| #2 | .70853 | 1.9476 | .91474 | 1.8782 | .75624 | 1.8553 | .21669 |
| #3 | .71751 | 1.9427 | .91427 | 1.8828 | .76251 | 1.8613 | .21601 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19225 | .17988 | 3.3017 | .39665 | .18557 | .33395 | 3.0161 |
| Stddev | .00045 | .00013 | .0129  | .00127 | .00085 | .00102 | .0336  |
| %RSD   | .23438 | .07478 | .38930 | .32102 | .45545 | .30475 | 1.1146 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19260 | .17987 | 3.2908 | .39747 | .18652 | .33405 | 2.9842 |
| #2 | .19174 | .17975 | 3.2983 | .39518 | .18528 | .33289 | 3.0129 |
| #3 | .19242 | .18002 | 3.3159 | .39729 | .18491 | .33491 | 3.0512 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22040 | 2.3137 | .48614 | .07380 | 5.7775 | .30620 | .34060 |
| Stddev | .00014 | .0820  | .00137 | .00074 | .0288  | .00066 | .00373 |
| %RSD   | .06556 | 3.5427 | .28218 | 1.0011 | .49825 | .21408 | 1.0947 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22056 | 2.2263 | .48768 | .07362 | 5.7460 | .30591 | .33631 |
| #2 | .22031 | 2.3260 | .48569 | .07317 | 5.8026 | .30695 | .34312 |
| #3 | .22032 | 2.3889 | .48505 | .07462 | 5.7837 | .30574 | .34236 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.514 | .38563 | .30318 | .22069 | 1.3729 | .64165 | .19506 |
| Stddev | .026   | .00182 | .01660 | .00399 | .0102  | .00042 | .00327 |
| %RSD   | .24420 | .47113 | 5.4763 | 1.8083 | .74503 | .06586 | 1.6746 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.487 | .38611 | .28463 | .21653 | 1.3638 | .64209 | .19267 |
| #2 | 10.538 | .38362 | .30829 | .22449 | 1.3840 | .64162 | .19374 |
| #3 | 10.516 | .38715 | .31663 | .22106 | 1.3709 | .64125 | .19879 |

Sample Name: K1139-22MS      Acquired: 1/15/2019 20:54:20      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T-CONTAINMEN Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .20812 | 5.183  | .20304 | 1.1303 | F<.00000 |
| Stddev    | .00148 | .012   | .00139 | .2240  | 2.6947   |
| %RSD      | .70910 | .2335  | .68343 | 19.817 | 5.8064   |
| #1        | .20649 | 5.196  | .20184 | 1.0594 | -49.518  |
| #2        | .20850 | 5.182  | .20271 | .95040 | -44.960  |
| #3        | .20937 | 5.172  | .20456 | 1.3812 | -44.749  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3483.0 | 44798. | 3693.5 | 108.65 | 3903.2   |
| Stddev    | 10.9   | 129.   | 44.6   | 1.55   | 2.4      |
| %RSD      | .31175 | .28723 | 1.2082 | 1.4308 | .06157   |
| #1        | 3482.1 | 44936. | 3744.1 | 110.44 | 3901.8   |
| #2        | 3494.3 | 44776. | 3676.4 | 107.66 | 3906.0   |
| #3        | 3472.6 | 44682. | 3659.9 | 107.85 | 3901.9   |

Sample Name: K1139-22MSD      Acquired: 1/15/2019 20:58:30      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T-CONTAINMEN      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .70954 | 1.9421 | .91447 | 1.8869 | .75985 | 1.8802 | .21457 |
| Stddev | .00171 | .0084  | .00219 | .0109  | .00351 | .0254  | .00026 |
| %RSD   | .24078 | .43309 | .23900 | .57763 | .46213 | 1.3527 | .12299 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .70865 | 1.9426 | .91431 | 1.8747 | .75659 | 1.8534 | .21432 |
| #2 | .71151 | 1.9502 | .91674 | 1.8903 | .76357 | 1.8833 | .21454 |
| #3 | .70847 | 1.9334 | .91238 | 1.8957 | .75940 | 1.9040 | .21485 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19219 | .17968 | 3.2658 | .39656 | .18577 | .33374 | 2.9960 |
| Stddev | .00022 | .00041 | .0234  | .00024 | .00045 | .00125 | .0871  |
| %RSD   | .11483 | .22890 | .71537 | .06014 | .24266 | .37331 | 2.9066 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19244 | .17942 | 3.2637 | .39634 | .18533 | .33293 | 2.9396 |
| #2 | .19202 | .18015 | 3.2901 | .39653 | .18623 | .33517 | 3.0963 |
| #3 | .19211 | .17947 | 3.2435 | .39682 | .18576 | .33311 | 2.9522 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21956 | 2.2894 | .48519 | .07274 | 5.7335 | .30543 | .33781 |
| Stddev | .00049 | .0868  | .00172 | .00122 | .0134  | .00131 | .00697 |
| %RSD   | .22269 | 3.7937 | .35440 | 1.6829 | .23337 | .42752 | 2.0620 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21916 | 2.3897 | .48538 | .07313 | 5.7489 | .30515 | .33333 |
| #2 | .22011 | 2.2406 | .48681 | .07373 | 5.7246 | .30685 | .34583 |
| #3 | .21941 | 2.2379 | .48339 | .07137 | 5.7270 | .30428 | .33426 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.432 | .38502 | .31363 | .22091 | 1.3587 | .64146 | .19072 |
| Stddev | .012   | .00036 | .00801 | .00217 | .0055  | .00107 | .00246 |
| %RSD   | .11713 | .09477 | 2.5549 | .98285 | .40803 | .16630 | 1.2907 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.444 | .38505 | .30608 | .22115 | 1.3647 | .64244 | .19315 |
| #2 | 10.419 | .38463 | .32204 | .22296 | 1.3538 | .64161 | .19078 |
| #3 | 10.432 | .38536 | .31275 | .21863 | 1.3575 | .64033 | .18823 |

Sample Name: K1139-22MSD      Acquired: 1/15/2019 20:58:30      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T-CONTAINMEN Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .20822 | 5.184  | .20236 | 1.3607 | F<.00000 |
| Stddev | .00028 | .023   | .00060 | .1181  | 2.9061   |
| %RSD   | .13384 | .4512  | .29769 | 8.6790 | 6.1619   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20801 | 5.175 | .20304 | 1.4127 | -45.117 |
| #2 | .20854 | 5.211 | .20188 | 1.4440 | -50.490 |
| #3 | .20811 | 5.167 | .20216 | 1.2256 | -45.883 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3488.3 | 44705. | 3733.0 | 109.54 | 3905.3 |
| Stddev    | 5.9    | 34.    | 3.3    | 2.19   | 7.3    |
| %RSD      | .16915 | .07527 | .08787 | 2.0030 | .18618 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3491.7 | 44667. | 3732.5 | 110.78 | 3909.9 |
| #2 | 3491.6 | 44718. | 3729.9 | 107.01 | 3896.9 |
| #3 | 3481.5 | 44730. | 3736.4 | 110.83 | 3909.1 |

Sample Name: CCV06      Acquired: 1/15/2019 21:02:39      Type: Unk  
Method: P4-ICP2(v2743)      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    | 4.8032 | 5.0477 | 4.7951 | 4.9326 | 5.0023 | 9.5235 | 10.664 |
| Stddev | .0064  | .0154  | .0169  | .0166  | .0104  | .0280  | .041   |
| %RSD   | .13347 | .30538 | .35253 | .33654 | .20774 | .29379 | .38529 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.8055 | 5.0545 | 4.7949 | 4.9492 | 5.0130 | 9.5014 | 10.617 |
| #2 | 4.7959 | 5.0300 | 4.7782 | 4.9160 | 4.9923 | 9.5142 | 10.685 |
| #3 | 4.8081 | 5.0585 | 4.8120 | 4.9325 | 5.0015 | 9.5550 | 10.691 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .24959 | 2.4079 | 25.536 | 1.0116 | 2.4190 | 1.2518 | 4.9982 |
| Stddev | .00016 | .0056  | .114   | .0021  | .0068  | .0053  | .0309  |
| %RSD   | .06508 | .23117 | .44727 | .20640 | .28183 | .42680 | .61922 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .24971 | 2.4111 | 25.404 | 1.0095 | 2.4180 | 1.2560 | 5.0338 |
| #2 | .24940 | 2.4015 | 25.606 | 1.0137 | 2.4127 | 1.2537 | 4.9832 |
| #3 | .24964 | 2.4111 | 25.598 | 1.0117 | 2.4262 | 1.2458 | 4.9777 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5163 | 25.226 | 2.5253 | 1.2568 | 26.659 | 2.6130 | 2.5828 |
| Stddev | .0023  | .111   | .0062  | .0050  | .102   | .0054  | .0343  |
| %RSD   | .09083 | .43967 | .24597 | .40102 | .38440 | .20745 | 1.3273 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.5162 | 25.105 | 2.5252 | 1.2549 | 26.542 | 2.6161 | 2.6216 |
| #2 | 2.5140 | 25.322 | 2.5192 | 1.2626 | 26.734 | 2.6161 | 2.5566 |
| #3 | 2.5186 | 25.250 | 2.5316 | 1.2531 | 26.700 | 2.6067 | 2.5703 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 25.466 | 4.9717 | 5.2001 | 4.7706 | 5.2927 | 4.8687 | 4.9366 |
| Stddev | .055   | .0053  | .0499  | .0236  | .0160  | .0120  | .0157  |
| %RSD   | .21480 | .10691 | .95926 | .49456 | .30165 | .24590 | .31785 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 25.408 | 4.9769 | 5.1439 | 4.7695 | 5.2790 | 4.8742 | 4.9215 |
| #2 | 25.473 | 4.9718 | 5.2390 | 4.7475 | 5.2888 | 4.8550 | 4.9528 |
| #3 | 25.516 | 4.9663 | 5.2175 | 4.7947 | 5.3103 | 4.8770 | 4.9354 |

Sample Name: CCV06      Acquired: 1/15/2019 21:02:39      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | 5.3318 | 4.914  | 5.0701 | F 3.3890 | F<.00000 |
| Stddev    | .0168  | .011   | .0163  | .0614    | 3.0978   |
| %RSD      | .31547 | .2182  | .32094 | 1.8133   | 14.928   |
| #1        | 5.3139 | 4.914  | 5.0603 | 3.3566   | -17.513  |
| #2        | 5.3472 | 4.903  | 5.0889 | 3.3506   | -23.686  |
| #3        | 5.3343 | 4.925  | 5.0611 | 3.4599   | -21.059  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3362.1 | 42795. | 3675.9 | 100.75   | 3540.0   |
| Stddev    | 1.9    | 65.    | 3.3    | 1.23     | 8.4      |
| %RSD      | .05650 | .15253 | .08873 | 1.2194   | .23842   |
| #1        | 3362.9 | 42728. | 3673.1 | 99.363   | 3544.7   |
| #2        | 3359.9 | 42800. | 3679.4 | 101.70   | 3545.1   |
| #3        | 3363.4 | 42858. | 3675.0 | 101.20   | 3530.3   |

Sample Name: CCB06      Acquired: 1/15/2019 21:06:39      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00530 | .00215 | .00197 | -.00190 | .00548 | .01113 | -.00029 |
| Stddev | .00297  | .00098 | .00112 | .00285  | .00213 | .00238 | .00028  |
| %RSD   | 55.927  | 45.510 | 56.869 | 149.72  | 38.935 | 21.416 | 95.850  |

|    |         |        |        |         |        |        |         |
|----|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00348 | .00276 | .00138 | .00131  | .00504 | .01190 | -.00045 |
| #2 | -.00873 | .00267 | .00326 | -.00292 | .00780 | .00846 | .00003  |
| #3 | -.00371 | .00102 | .00126 | -.00411 | .00360 | .01303 | -.00047 |

|        |         |         |         |        |        |         |         |
|--------|---------|---------|---------|--------|--------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.00003 | -.00018 | -.02746 | .00028 | .00020 | -.00097 | -.00210 |
| Stddev | .00004  | .00006  | .01718  | .00018 | .00018 | .00042  | .00363  |
| %RSD   | 117.25  | 34.582  | 62.576  | 62.383 | 89.688 | 43.268  | 173.29  |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | .00001  | -.00024 | -.00830 | .00025 | .00028  | -.00068 | .00186  |
| #2 | -.00004 | -.00018 | -.03258 | .00013 | .00032  | -.00145 | -.00528 |
| #3 | -.00006 | -.00012 | -.04149 | .00048 | -.00001 | -.00078 | -.00287 |

|        |        |         |        |          |        |        |        |
|--------|--------|---------|--------|----------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .00020 | -.02432 | .00120 | F .00374 | .11687 | .00139 | .00008 |
| Stddev | .00003 | .01071  | .00023 | .00001   | .00968 | .00024 | .00005 |
| %RSD   | 16.592 | 44.047  | 19.236 | .33205   | 8.2819 | 17.206 | 59.795 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00017 | -.01266 | .00137 | .00375 | .12520 | .00166 | .00013 |
| #2 | .00024 | -.02657 | .00094 | .00373 | .10625 | .00131 | .00005 |
| #3 | .00020 | -.03374 | .00129 | .00374 | .11915 | .00120 | .00005 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .21033 | -.00006 | .00370 | .00445 | .00315 | .00169 | -.00103 |
| Stddev | .02230 | .00036  | .00894 | .00119 | .00136 | .00045 | .00346  |
| %RSD   | 10.603 | 625.05  | 241.56 | 26.799 | 43.160 | 26.604 | 335.61  |

|    |        |         |         |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|---------|
| #1 | .23482 | -.00041 | -.00640 | .00331 | .00198 | .00139 | -.00439 |
| #2 | .19118 | .00030  | .01060  | .00434 | .00283 | .00221 | -.00123 |
| #3 | .20500 | -.00006 | .00691  | .00569 | .00464 | .00147 | .00252  |

Sample Name: CCB06      Acquired: 1/15/2019 21:06:39      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00372 | F .0060 | -.00055 | F .79621 | F<.00000 |
| Stddev | .00235  | .0010   | .00005  | .07393   | 2.6648   |
| %RSD   | 63.152  | 16.25   | 9.1235  | 9.2851   | 8.6358   |

|    |         |       |         |        |         |
|----|---------|-------|---------|--------|---------|
| #1 | -.00617 | .0065 | -.00057 | .74858 | -33.904 |
| #2 | -.00149 | .0049 | -.00050 | .88138 | -28.963 |
| #3 | -.00349 | .0067 | -.00059 | .75869 | -29.704 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3522.9 | 45207. | 3737.8 | 108.17 | 4004.3 |
| Stddev    | 7.9    | 102.   | 40.9   | 1.74   | 9.5    |
| %RSD      | .22534 | .22476 | 1.0951 | 1.6064 | .23764 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3515.0 | 45122. | 3705.7 | 106.30 | 3993.4 |
| #2 | 3530.8 | 45180. | 3783.9 | 109.73 | 4010.1 |
| #3 | 3523.0 | 45320. | 3723.9 | 108.48 | 4009.6 |

Sample Name: K1139-22A      Acquired: 1/15/2019 21:11:08      Type: Unk  
Method: P4-ICP2(v2743)      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    | .70975 | 1.9434 | .91530 | 1.8806 | .76050 | 1.8615 | .21316 |
| Stddev | .00097 | .0096  | .00470 | .0138  | .00471 | .0044  | .00165 |
| %RSD   | .13647 | .49501 | .51390 | .73370 | .61897 | .23804 | .77542 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .70939 | 1.9422 | .91558 | 1.8882 | .76419 | 1.8593 | .21137 |
| #2 | .71084 | 1.9344 | .91046 | 1.8647 | .75520 | 1.8585 | .21348 |
| #3 | .70901 | 1.9535 | .91986 | 1.8890 | .76212 | 1.8666 | .21463 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19084 | .17906 | 3.2884 | .39448 | .18488 | .33233 | 3.0165 |
| Stddev | .00054 | .00082 | .0220  | .00206 | .00079 | .00117 | .0210  |
| %RSD   | .28304 | .45533 | .66908 | .52172 | .42646 | .35252 | .69565 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19114 | .17924 | 3.2909 | .39638 | .18475 | .33366 | 2.9923 |
| #2 | .19022 | .17818 | 3.2652 | .39230 | .18416 | .33145 | 3.0272 |
| #3 | .19116 | .17978 | 3.3090 | .39477 | .18572 | .33187 | 3.0299 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21890 | 2.3055 | .48663 | .07347 | 5.7006 | .30443 | .33536 |
| Stddev | .00033 | .0437  | .00405 | .00027 | .0057  | .00072 | .00117 |
| %RSD   | .14909 | 1.8931 | .83161 | .36366 | .10042 | .23517 | .34975 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21916 | 2.2688 | .48799 | .07336 | 5.7032 | .30398 | .33404 |
| #2 | .21853 | 2.3538 | .48207 | .07328 | 5.7046 | .30406 | .33575 |
| #3 | .21900 | 2.2941 | .48981 | .07378 | 5.6941 | .30526 | .33629 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.373 | .38462 | .30994 | .22011 | 1.3612 | .64185 | .19368 |
| Stddev | .027   | .00140 | .01184 | .00577 | .0228  | .00322 | .00229 |
| %RSD   | .25776 | .36324 | 3.8200 | 2.6221 | 1.6723 | .50144 | 1.1801 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.365 | .38589 | .32115 | .21551 | 1.3772 | .64355 | .19245 |
| #2 | 10.352 | .38312 | .31110 | .21823 | 1.3351 | .63813 | .19228 |
| #3 | 10.403 | .38484 | .29756 | .22658 | 1.3713 | .64385 | .19632 |

Sample Name: K1139-22A      Acquired: 1/15/2019 21:11:08      Type: Unk  
Method: P4-ICP2(v2743)      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       | .20949 | 5.169  | .20179 | 1.1124 | F<.00000 |
| Stddev    | .00194 | .035   | .00046 | .1243  | .80944   |
| %RSD      | .92434 | .6849  | .22846 | 11.174 | 1.7130   |
| #1        | .20985 | 5.184  | .20137 | 1.1906 | -46.416  |
| #2        | .20740 | 5.129  | .20228 | 1.1774 | -47.308  |
| #3        | .21122 | 5.195  | .20172 | .96904 | -48.031  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3488.1 | 45023. | 3745.2 | 109.59 | 3906.0   |
| Stddev    | 7.4    | 175.   | 18.6   | .51    | 5.1      |
| %RSD      | .21087 | .38926 | .49745 | .46197 | .12966   |
| #1        | 3483.8 | 44933. | 3728.8 | 110.18 | 3907.9   |
| #2        | 3483.9 | 45225. | 3765.5 | 109.27 | 3909.8   |
| #3        | 3496.6 | 44911. | 3741.3 | 109.33 | 3900.2   |

Sample Name: K1080-02      Acquired: 1/15/2019 21:15:17      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.01371 | -.00063 | .00461 | .00207 | .00375 | .33289 | .12016 |
| Stddev | .00173  | .00206  | .00079 | .00144 | .00074 | .01036 | .00062 |
| %RSD   | 12.647  | 327.05  | 17.108 | 69.300 | 19.698 | 3.1130 | .51196 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.01343 | .00172  | .00412 | .00057 | .00449 | .33913 | .11949 |
| #2 | -.01557 | -.00214 | .00419 | .00221 | .00376 | .33862 | .12027 |
| #3 | -.01214 | -.00146 | .00552 | .00344 | .00301 | .32093 | .12071 |

|        |         |         |        |        |        |        |         |
|--------|---------|---------|--------|--------|--------|--------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00004 | -.00060 | 187.32 | .00261 | .00054 | .02530 | -.03779 |
| Stddev | .00013  | .00005  | .37    | .00019 | .00027 | .00004 | .00569  |
| %RSD   | 361.50  | 8.9580  | .19736 | 7.4660 | 48.677 | .15850 | 15.044  |

|    |         |         |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|---------|
| #1 | -.00010 | -.00056 | 187.22 | .00243 | .00025 | .02534 | -.03208 |
| #2 | .00011  | -.00066 | 187.01 | .00259 | .00075 | .02530 | -.03786 |
| #3 | -.00012 | -.00059 | 187.73 | .00281 | .00063 | .02526 | -.04345 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00033 | .00531 | -.00060 | .00322 | 370.20 | .00485 | .00861 |
| Stddev | .00004 | .02482 | .00006  | .00062 | 5.26   | .00025 | .00011 |
| %RSD   | 11.480 | 467.27 | 9.2610  | 19.403 | 1.4212 | 5.2392 | 1.2391 |

|    |        |         |         |        |        |        |        |
|----|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00035 | -.02143 | -.00054 | .00253 | 368.80 | .00457 | .00873 |
| #2 | .00028 | .02761  | -.00063 | .00374 | 365.78 | .00492 | .00859 |
| #3 | .00035 | .00975  | -.00064 | .00338 | 376.02 | .00507 | .00852 |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 1.1618 | .00088 | .02120 | 3.3225 | 1.7799 | .00282 | -.00508 |
| Stddev | .1106  | .00044 | .00757 | .0076  | .0332  | .00071 | .00103  |
| %RSD   | 9.5236 | 49.582 | 35.730 | .22799 | 1.8644 | 25.024 | 20.324  |

|    |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|---------|
| #1 | 1.1177 | .00138 | .02696 | 3.3308 | 1.8063 | .00224 | -.00605 |
| #2 | 1.0799 | .00073 | .02401 | 3.3159 | 1.7427 | .00261 | -.00400 |
| #3 | 1.2876 | .00054 | .01262 | 3.3208 | 1.7908 | .00361 | -.00519 |

Sample Name: K1080-02      Acquired: 1/15/2019 21:15:17      Type: Unk  
Method: P4-ICP2(v2743)      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       | .01071 | .0221  | .61857 | 4.2473 | F<.00000 |
| Stddev    | .00128 | .0006  | .00154 | .2954  | 6.0874   |
| %RSD      | 11.969 | 2.910  | .24815 | 6.9552 | 57.559   |
| #1        | .01065 | .0216  | .62009 | 4.0049 | -3.5476  |
| #2        | .01202 | .0228  | .61702 | 4.5763 | -13.996  |
| #3        | .00946 | .0220  | .61860 | 4.1605 | -14.184  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3197.9 | 40590. | 3651.8 | 105.22 | 3361.4   |
| Stddev    | 9.1    | 68.    | 40.0   | 1.05   | 15.7     |
| %RSD      | .28513 | .16767 | 1.0944 | .99380 | .46591   |
| #1        | 3196.7 | 40511. | 3609.6 | 104.26 | 3348.2   |
| #2        | 3189.5 | 40633. | 3689.0 | 105.08 | 3357.2   |
| #3        | 3207.6 | 40625. | 3656.7 | 106.33 | 3378.7   |

Sample Name: K1126-02      Acquired: 1/15/2019 21:19:51      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.01015 | -.00002 | .01942 | .00022 | .00368 | .13127 | .09792 |
| Stddev | .00041  | .00111  | .00063 | .00168 | .00118 | .00646 | .00196 |
| %RSD   | 4.0111  | 6490.9  | 3.2344 | 754.62 | 32.096 | 4.9198 | 2.0065 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.01044 | .00101  | .02015 | .00111  | .00498 | .13071 | .09981 |
| #2 | -.00968 | -.00119 | .01911 | .00128  | .00267 | .12511 | .09806 |
| #3 | -.01032 | .00014  | .01901 | -.00172 | .00340 | .13799 | .09589 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00005 | .00041 | 14.697 | .00089 | .00188 | .00715 | .09725 |
| Stddev | .00001 | .00005 | .021   | .00031 | .00016 | .00020 | .00304 |
| %RSD   | 27.257 | 12.523 | .14025 | 35.085 | 8.7124 | 2.8360 | 3.1275 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00006 | .00044 | 14.701 | .00063 | .00179 | .00738 | .09529 |
| #2 | .00006 | .00035 | 14.716 | .00081 | .00179 | .00710 | .10076 |
| #3 | .00004 | .00044 | 14.675 | .00124 | .00207 | .00698 | .09572 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .15664 | 3.7975 | .00382 | .00428 | 366.25 | .00128 | .17770 |
| Stddev | .00122 | .0207  | .00005 | .00025 | 5.46   | .00039 | .00359 |
| %RSD   | .77928 | .54441 | 1.2792 | 5.8902 | 1.4907 | 30.723 | 2.0209 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .15767 | 3.8127 | .00377 | .00424 | 364.33 | .00173 | .17673 |
| #2 | .15529 | 3.7740 | .00385 | .00404 | 372.41 | .00101 | .18168 |
| #3 | .15696 | 3.8058 | .00385 | .00454 | 362.00 | .00109 | .17470 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .91715 | -.00025 | .00659 | .17409 | 1.2607 | .00181 | .00137 |
| Stddev | .03697 | .00008  | .00683 | .00466 | .0183  | .00040 | .00150 |
| %RSD   | 4.0306 | 31.818  | 103.65 | 2.6779 | 1.4496 | 22.372 | 109.56 |

|    |        |         |         |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|---------|
| #1 | .87456 | -.00034 | .00818  | .17586 | 1.2753 | .00181 | .00205  |
| #2 | .94091 | -.00020 | -.00090 | .17761 | 1.2666 | .00221 | .00242  |
| #3 | .93598 | -.00020 | .01248  | .16880 | 1.2402 | .00140 | -.00035 |

Sample Name: K1126-02      Acquired: 1/15/2019 21:19:51      Type: Unk  
 Method: P4-ICP2(v2743)      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    | .00561 | .0251  | .04556 | 3.7291 | F<.00000 |
| Stddev | .00052 | .0020  | .00019 | .2057  | 5.0602   |
| %RSD   | 9.2265 | 8.126  | .41628 | 5.5154 | 23.060   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00553 | .0273 | .04536 | 3.6292 | -27.712 |
| #2 | .00617 | .0232 | .04573 | 3.9657 | -19.863 |
| #3 | .00515 | .0249 | .04559 | 3.5925 | -18.256 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3300.0 | 41535. | 3627.3 | 105.47 | 3484.5 |
| Stddev    | 3.2    | 116.   | 45.0   | 2.11   | 11.7   |
| %RSD      | .09833 | .27940 | 1.2406 | 1.9965 | .33453 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3303.7 | 41403. | 3603.6 | 106.08 | 3483.4 |
| #2 | 3297.6 | 41582. | 3599.1 | 103.13 | 3473.4 |
| #3 | 3298.6 | 41620. | 3679.2 | 107.20 | 3496.6 |

Sample Name: K1128-02      Acquired: 1/15/2019 21:24:25      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00944 | -.00217 | .00338 | -.00023 | .00350 | .09330 | .27905 |
| Stddev | .00089  | .00096  | .00071 | .00148  | .00052 | .01531 | .00214 |
| %RSD   | 9.4741  | 44.101  | 21.013 | 632.97  | 14.767 | 16.411 | .76572 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.01041 | -.00136 | .00329 | .00028  | .00402 | .07565 | .27817 |
| #2 | -.00925 | -.00323 | .00272 | .00092  | .00349 | .10129 | .27749 |
| #3 | -.00865 | -.00193 | .00414 | -.00191 | .00298 | .10297 | .28148 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00034 | -.00036 | 8.7087 | .00029 | .00863 | .00380 | .00567 |
| Stddev | .00002 | .00008  | .0608  | .00017 | .00017 | .00041 | .00502 |
| %RSD   | 5.5515 | 22.126  | .69820 | 60.558 | 2.0212 | 10.852 | 88.519 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00035 | -.00046 | 8.6997 | .00039 | .00883 | .00370 | .01145 |
| #2 | .00032 | -.00032 | 8.6529 | .00039 | .00852 | .00426 | .00253 |
| #3 | .00035 | -.00031 | 8.7735 | .00009 | .00855 | .00345 | .00302 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .75521 | 4.1960 | .00189 | .00398 | 285.70 | -.00014 | .02108 |
| Stddev | .00289 | .0856  | .00040 | .00090 | 1.73   | .00040  | .00019 |
| %RSD   | .38271 | 2.0391 | 21.219 | 22.699 | .60470 | 278.55  | .89105 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .75215 | 4.2180 | .00233 | .00432 | 287.39 | .00024  | .02121 |
| #2 | .75789 | 4.1016 | .00154 | .00296 | 283.94 | -.00012 | .02118 |
| #3 | .75559 | 4.2684 | .00181 | .00466 | 285.75 | -.00055 | .02087 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 2.7571 | -.00020 | .00944 | .31622 | .83664 | .00208 | -.00109 |
| Stddev | .0174  | .00031  | .00339 | .00141 | .01535 | .00045 | .00064  |
| %RSD   | .63021 | 151.82  | 35.903 | .44648 | 1.8342 | 21.728 | 58.550  |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | 2.7720 | .00012  | .00916 | .31565 | .85097 | .00244 | -.00177 |
| #2 | 2.7380 | -.00049 | .01296 | .31519 | .82045 | .00157 | -.00101 |
| #3 | 2.7614 | -.00024 | .00620 | .31783 | .83850 | .00222 | -.00050 |

Sample Name: K1128-02      Acquired: 1/15/2019 21:24:25      Type: Unk  
Method: P4-ICP2(v2743)      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       | .00382 | .0114  | .14521 | 3.3589 | F<.00000 |
| Stddev    | .00172 | .0009  | .00057 | .1573  | 2.7049   |
| %RSD      | 45.142 | 7.520  | .39449 | 4.6819 | 14.285   |
| #1        | .00193 | .0110  | .14501 | 3.3929 | -16.954  |
| #2        | .00421 | .0124  | .14476 | 3.1874 | -22.017  |
| #3        | .00532 | .0108  | .14585 | 3.4963 | -17.836  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3331.4 | 42376. | 3668.6 | 102.66 | 3524.3   |
| Stddev    | 9.6    | 68.    | 29.5   | 1.06   | 11.6     |
| %RSD      | .28741 | .16020 | .80534 | 1.0345 | .32877   |
| #1        | 3329.3 | 42317. | 3640.6 | 101.74 | 3522.6   |
| #2        | 3341.8 | 42450. | 3699.4 | 102.43 | 3536.6   |
| #3        | 3323.0 | 42361. | 3665.7 | 103.83 | 3513.7   |

Sample Name: K1128-04      Acquired: 1/15/2019 21:28:59      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.01099 | -.00126 | .00713 | .00034 | .00614 | .04027 | .11116 |
| Stddev | .00300  | .00151  | .00068 | .00243 | .00148 | .00727 | .00059 |
| %RSD   | 27.324  | 119.72  | 9.5192 | 709.17 | 24.130 | 18.043 | .53183 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00889 | -.00105 | .00762 | -.00182 | .00446 | .03417 | .11130 |
| #2 | -.01443 | -.00287 | .00635 | -.00012 | .00727 | .03834 | .11167 |
| #3 | -.00965 | .00013  | .00741 | .00298  | .00669 | .04831 | .11051 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00002 | -.00033 | 6.9270 | .00024 | .01461 | .00656 | .01797 |
| Stddev | .00006 | .00005  | .0457  | .00032 | .00019 | .00016 | .00957 |
| %RSD   | 351.91 | 16.284  | .65909 | 132.52 | 1.3279 | 2.4106 | 53.253 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00004 | -.00039 | 6.8744 | -.00002 | .01447 | .00661 | .02584 |
| #2 | .00002  | -.00028 | 6.9504 | .00060  | .01453 | .00638 | .00732 |
| #3 | .00007  | -.00033 | 6.9562 | .00015  | .01483 | .00669 | .02075 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .52398 | 1.1607 | .01459 | .00447 | 330.45 | .00009 | .68954 |
| Stddev | .00105 | .0281  | .00032 | .00028 | 4.61   | .00006 | .00046 |
| %RSD   | .20071 | 2.4235 | 2.1966 | 6.3739 | 1.3965 | 69.627 | .06683 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .52277 | 1.1283 | .01477 | .00453 | 328.44 | .00002 | .68936 |
| #2 | .52451 | 1.1785 | .01477 | .00471 | 327.18 | .00015 | .68920 |
| #3 | .52467 | 1.1753 | .01422 | .00415 | 335.73 | .00011 | .69006 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80074 | -.00023 | -.00317 | .51491 | .48836 | .00266 | .00079 |
| Stddev | .02551 | .00011  | .01418  | .00507 | .00580 | .00029 | .00234 |
| %RSD   | 3.1854 | 47.256  | 446.98  | .98484 | 1.1874 | 10.874 | 297.08 |

|    |        |         |         |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|---------|
| #1 | .78085 | -.00032 | .01078  | .50961 | .49047 | .00300 | -.00168 |
| #2 | .79188 | -.00011 | -.00273 | .51540 | .48180 | .00247 | .00107  |
| #3 | .82950 | -.00025 | -.01756 | .51972 | .49281 | .00252 | .00297  |

Sample Name: K1128-04      Acquired: 1/15/2019 21:28:59      Type: Unk  
 Method: P4-ICP2(v2743)      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       | .00261 | .0110  | .03203 | 3.7097 | F<.00000 |
| Stddev    | .00081 | .0021  | .00025 | .1765  | 1.7323   |
| %RSD      | 31.204 | 19.50  | .79058 | 4.7587 | 9.1391   |
| #1        | .00195 | .0106  | .03174 | 3.9122 | -20.568  |
| #2        | .00352 | .0133  | .03222 | 3.5885 | -17.124  |
| #3        | .00236 | .0090  | .03213 | 3.6282 | -19.174  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3303.4 | 41856. | 3646.8 | 103.36 | 3506.5   |
| Stddev    | 4.5    | 67.    | 22.5   | .39    | 8.1      |
| %RSD      | .13723 | .16049 | .61696 | .38109 | .23159   |
| #1        | 3301.7 | 41786. | 3644.1 | 103.18 | 3498.5   |
| #2        | 3308.5 | 41920. | 3670.5 | 103.82 | 3514.7   |
| #3        | 3299.9 | 41862. | 3625.7 | 103.10 | 3506.2   |

Sample Name: CCV07      Acquired: 1/15/2019 21:33:34      Type: Unk  
Method: P4-ICP2(v2743)      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    | 4.7513 | 5.0396 | 4.7656 | 4.8925 | 4.9625 | 9.3442 | 10.525 |
| Stddev | .0143  | .0121  | .0147  | .0135  | .0087  | .0277  | .061   |
| %RSD   | .30050 | .23975 | .30799 | .27611 | .17503 | .29613 | .58161 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.7623 | 5.0527 | 4.7801 | 4.8934 | 4.9722 | 9.3124 | 10.468 |
| #2 | 4.7565 | 5.0372 | 4.7658 | 4.9056 | 4.9555 | 9.3631 | 10.589 |
| #3 | 4.7352 | 5.0288 | 4.7507 | 4.8786 | 4.9599 | 9.3570 | 10.517 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .24620 | 2.3945 | 25.533 | 1.0042 | 2.4020 | 1.2513 | 4.8315 |
| Stddev | .00097 | .0056  | .170   | .0014  | .0073  | .0019  | .0297  |
| %RSD   | .39280 | .23459 | .66413 | .14453 | .30511 | .14916 | .61576 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .24515 | 2.4007 | 25.364 | 1.0026 | 2.4105 | 1.2530 | 4.8468 |
| #2 | .24641 | 2.3933 | 25.703 | 1.0055 | 2.3976 | 1.2493 | 4.8505 |
| #3 | .24705 | 2.3896 | 25.530 | 1.0046 | 2.3979 | 1.2516 | 4.7972 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4976 | 25.266 | 2.5191 | 1.2394 | 26.792 | 2.6120 | 2.5036 |
| Stddev | .0051  | .233   | .0065  | .0049  | .111   | .0025  | .0325  |
| %RSD   | .20456 | .92280 | .25832 | .39101 | .41242 | .09714 | 1.2965 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4917 | 25.092 | 2.5261 | 1.2436 | 26.680 | 2.6093 | 2.5306 |
| #2 | 2.5004 | 25.531 | 2.5132 | 1.2404 | 26.901 | 2.6143 | 2.5127 |
| #3 | 2.5008 | 25.176 | 2.5181 | 1.2340 | 26.796 | 2.6125 | 2.4676 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 25.221 | 4.9464 | 5.2260 | 4.7751 | 5.2792 | 4.8628 | 4.8812 |
| Stddev | .276   | .0122  | .0266  | .0150  | .0140  | .0059  | .0354  |
| %RSD   | 1.0934 | .24707 | .50888 | .31327 | .26460 | .12024 | .72448 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 24.923 | 4.9603 | 5.1984 | 4.7884 | 5.2634 | 4.8683 | 4.8404 |
| #2 | 25.271 | 4.9418 | 5.2282 | 4.7780 | 5.2900 | 4.8633 | 4.9020 |
| #3 | 25.467 | 4.9372 | 5.2514 | 4.7589 | 5.2841 | 4.8567 | 4.9013 |

Sample Name: CCV07      Acquired: 1/15/2019 21:33:34      Type: Unk  
Method: P4-ICP2(v2743)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | 5.3333 | 4.907  | 4.9959 | F 2.8923 | F<.00000 |
| Stddev    | .0337  | .004   | .0403  | .1223    | 1.5888   |
| %RSD      | .63123 | .0749  | .80673 | 4.2274   | 6.1270   |
| #1        | 5.3089 | 4.904  | 4.9650 | 3.0267   | -26.445  |
| #2        | 5.3717 | 4.911  | 5.0415 | 2.8626   | -24.148  |
| #3        | 5.3194 | 4.906  | 4.9812 | 2.7876   | -27.198  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3386.0 | 43566. | 3669.0 | 103.37   | 3559.7   |
| Stddev    | 6.1    | 82.    | 22.2   | 1.28     | 8.2      |
| %RSD      | .18005 | .18880 | .60467 | 1.2353   | .23066   |
| #1        | 3379.2 | 43546. | 3679.5 | 102.26   | 3550.2   |
| #2        | 3391.2 | 43496. | 3643.6 | 103.10   | 3564.8   |
| #3        | 3387.4 | 43657. | 3684.1 | 104.77   | 3564.1   |

Sample Name: CCB07      Acquired: 1/15/2019 21:37:34      Type: Unk  
Method: P4-ICP2(v2743)      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    | -.00663 | .00203 | .00088 | -.00088 | .00564 | .00088 | -.00123 |
| Stddev | .00090  | .00072 | .00043 | .00137  | .00219 | .00865 | .00045  |
| %RSD   | 13.628  | 35.309 | 49.162 | 155.39  | 38.900 | 982.95 | 36.707  |

|    |         |        |        |         |        |         |         |
|----|---------|--------|--------|---------|--------|---------|---------|
| #1 | -.00734 | .00190 | .00131 | .00046  | .00742 | .00828  | -.00074 |
| #2 | -.00694 | .00139 | .00089 | -.00227 | .00630 | -.00862 | -.00134 |
| #3 | -.00561 | .00280 | .00044 | -.00082 | .00319 | .00298  | -.00163 |

|        |         |         |         |        |        |         |        |
|--------|---------|---------|---------|--------|--------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00001 | -.00026 | -.00203 | .00013 | .00036 | -.00105 | .00523 |
| Stddev | .00004  | .00005  | .01211  | .00075 | .00014 | .00052  | .00239 |
| %RSD   | 582.26  | 17.222  | 597.41  | 558.59 | 39.626 | 49.621  | 45.749 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00004 | -.00021 | .01025  | -.00073 | .00035 | -.00076 | .00278 |
| #2 | .00003  | -.00030 | -.01396 | .00056  | .00050 | -.00165 | .00756 |
| #3 | -.00001 | -.00027 | -.00237 | .00058  | .00022 | -.00073 | .00534 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .00019 | .01228 | .00175 | F .00276 | .24982 | .00108 | .00002 |
| Stddev | .00001 | .03749 | .00017 | .00057   | .00867 | .00015 | .00013 |
| %RSD   | 4.9701 | 305.30 | 9.7460 | 20.713   | 3.4699 | 13.875 | 581.34 |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | .00018 | -.01695 | .00187 | .00292 | .24098 | .00120 | .00009  |
| #2 | .00020 | -.00076 | .00156 | .00212 | .25016 | .00114 | -.00012 |
| #3 | .00019 | .05455  | .00184 | .00323 | .25831 | .00091 | .00010  |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19327 | .00001 | .01034 | .00250 | .00321 | .00099 | .00140 |
| Stddev | .03410 | .00011 | .00741 | .00290 | .00232 | .00027 | .00054 |
| %RSD   | 17.645 | 1313.1 | 71.651 | 115.90 | 72.176 | 27.094 | 38.576 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .17306 | .00010  | .01647 | -.00081 | .00512 | .00109 | .00149 |
| #2 | .23264 | -.00012 | .01244 | .00373  | .00388 | .00119 | .00188 |
| #3 | .17410 | .00005  | .00211 | .00458  | .00063 | .00068 | .00082 |

Sample Name: CCB07      Acquired: 1/15/2019 21:37:34      Type: Unk  
Method: P4-ICP2(v2743)      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       | -.00189 | F .0065 | -.00056 | F .55056 | F<.00000 |
| Stddev    | .00233  | .0007   | .00009  | .54869   | 4.0901   |
| %RSD      | 123.18  | 10.26   | 15.764  | 99.661   | 13.290   |
| #1        | .00057  | .0058   | -.00046 | 1.0810   | -35.148  |
| #2        | -.00405 | .0065   | -.00062 | .58535   | -30.140  |
| #3        | -.00219 | .0072   | -.00060 | -.01470  | -27.042  |
| Int. Std. | Y_2243  | Y_3600  | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S   | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3557.6  | 46226.  | 3722.1  | 107.70   | 4041.4   |
| Stddev    | 12.7    | 262.    | 19.9    | .33      | 3.5      |
| %RSD      | .35743  | .56670  | .53569  | .30295   | .08540   |
| #1        | 3544.0  | 46021.  | 3699.6  | 108.01   | 4037.5   |
| #2        | 3569.1  | 46136.  | 3729.2  | 107.36   | 4043.1   |
| #3        | 3559.7  | 46521.  | 3737.5  | 107.73   | 4043.7   |