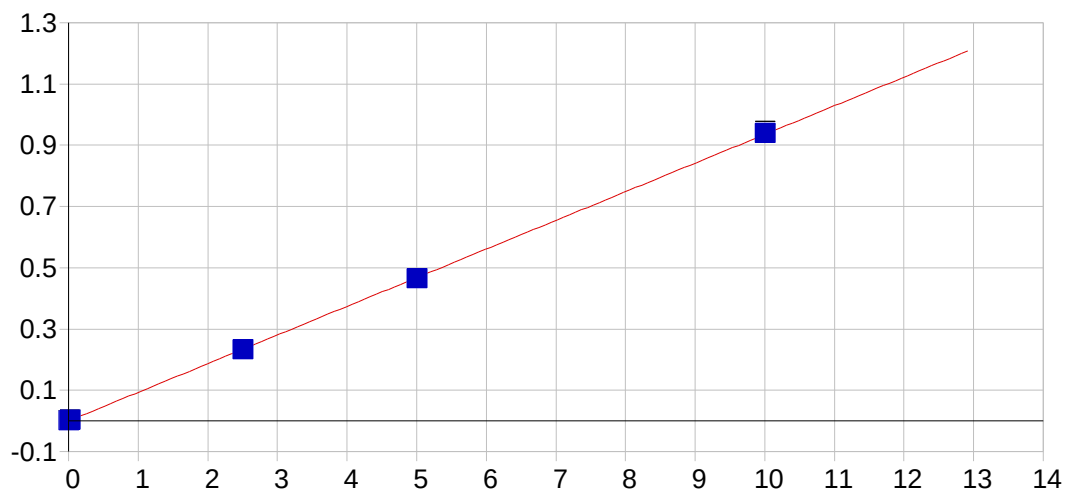


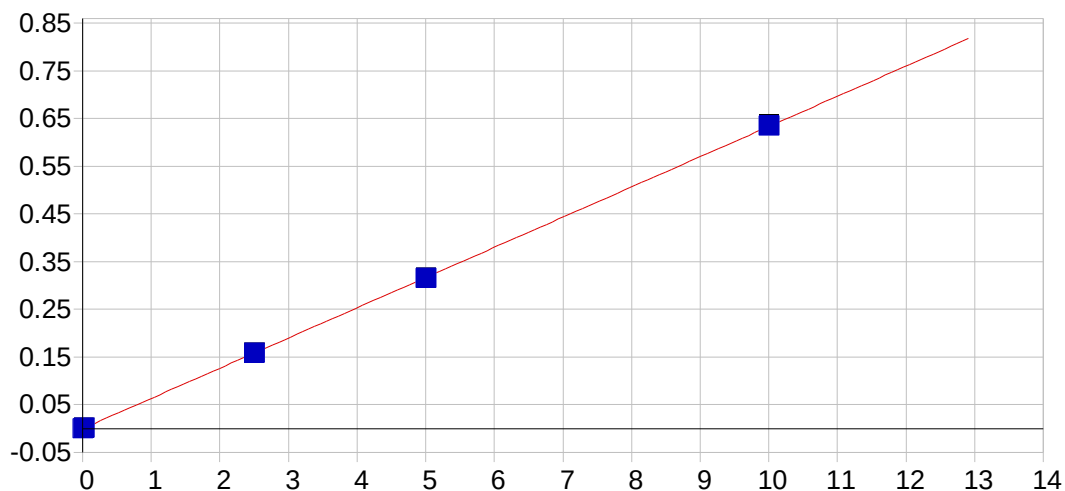


As 189.042 {478}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000188 Re-Slope: 1.000000  
 A1 (Gain): 0.093555 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999984 Status: OK.  
 Std Error of Est: 0.000013  
 Predicted MDL: 0.002577  
 Predicted MQL: 0.008589

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00019 | .000    | 1        |
| S1        | .02000       | .02117      | .001       | 5.84    | .00179  | .000    | 1        |
| S3        | 2.5000       | 2.4887      | -.011      | -.452   | .23263  | .000    | 1        |
| S4        | 5.0000       | 4.9659      | -.034      | -.681   | .46437  | .001    | 1        |
| S5        | 10.000       | 10.044      | .044       | .442    | .93943  | .005    | 1        |



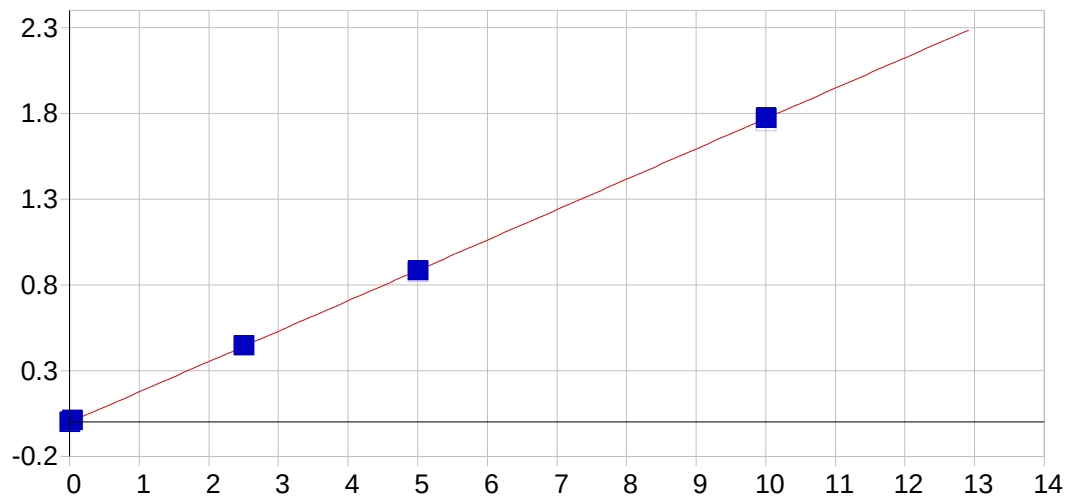
As 189.042 {479}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000027 Re-Slope: 1.000000

A1 (Gain): 0.063360 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999995 Status: OK.  
 Std Error of Est: 0.000005  
 Predicted MDL: 0.002468  
 Predicted MQL: 0.008226

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00003 | .000    | 1        |
| S1        | .02000       | .02045      | .000       | 2.25    | .00127  | .000    | 1        |
| S3        | 2.5000       | 2.4968      | -.003      | -.130   | .15817  | .000    | 1        |
| S4        | 5.0000       | 4.9776      | -.022      | -.447   | .31536  | .000    | 1        |
| S5        | 10.000       | 10.025      | .025       | .252    | .63518  | .002    | 1        |

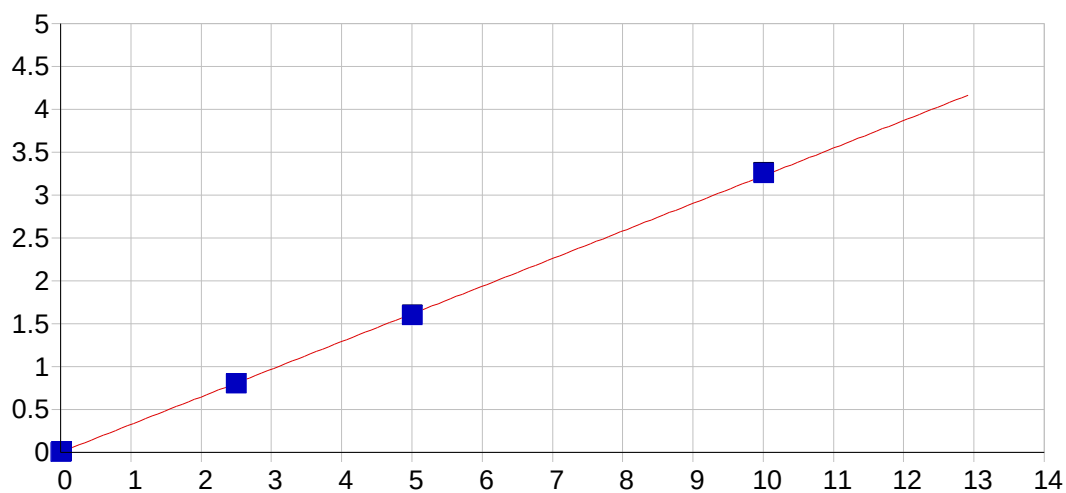


TI 190.856 {477}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000847 Re-Slope: 1.000000  
 A1 (Gain): 0.177201 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999961 Status: OK.  
 Std Error of Est: 0.000053  
 Predicted MDL: 0.001148  
 Predicted MQL: 0.003828

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00085 | .000    | 1        |
| S1        | .04000       | .04660      | .007       | 16.5    | .00723  | .000    | 1        |
| S3        | 2.5000       | 2.5203      | .020       | .814    | .44122  | .001    | 1        |
| S4        | 5.0000       | 4.9815      | -.019      | -.371   | .87279  | .002    | 1        |
| S5        | 10.000       | 9.9917      | -.008      | -.083   | 1.7515  | .005    | 1        |

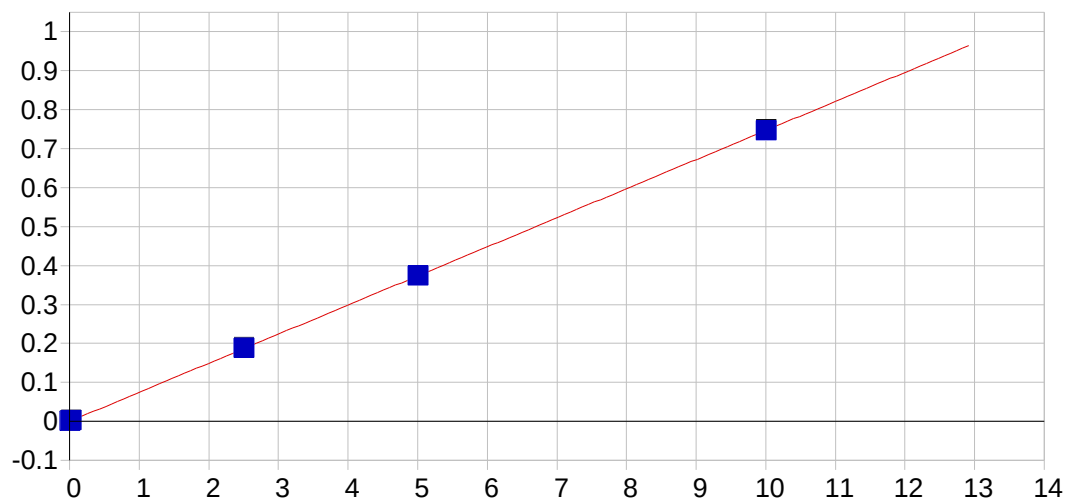


Pb 220.353 {453}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003222 Re-Slope: 1.000000  
 A1 (Gain): 0.322218 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999946 Status: OK.  
 Std Error of Est: 0.000063  
 Predicted MDL: 0.000973  
 Predicted MQL: 0.003244

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00322 | .000    | 1        |
| S1        | .01200       | .01243      | .000       | 3.54    | .00715 | .000    | 1        |
| S3        | 2.5000       | 2.4709      | -.029      | -1.17   | .79827 | .002    | 1        |
| S4        | 5.0000       | 4.9393      | -.061      | -1.21   | 1.5925 | .002    | 1        |
| S5        | 10.000       | 10.089      | .089       | .894    | 3.2498 | .009    | 1        |



Se 196.090 {472}

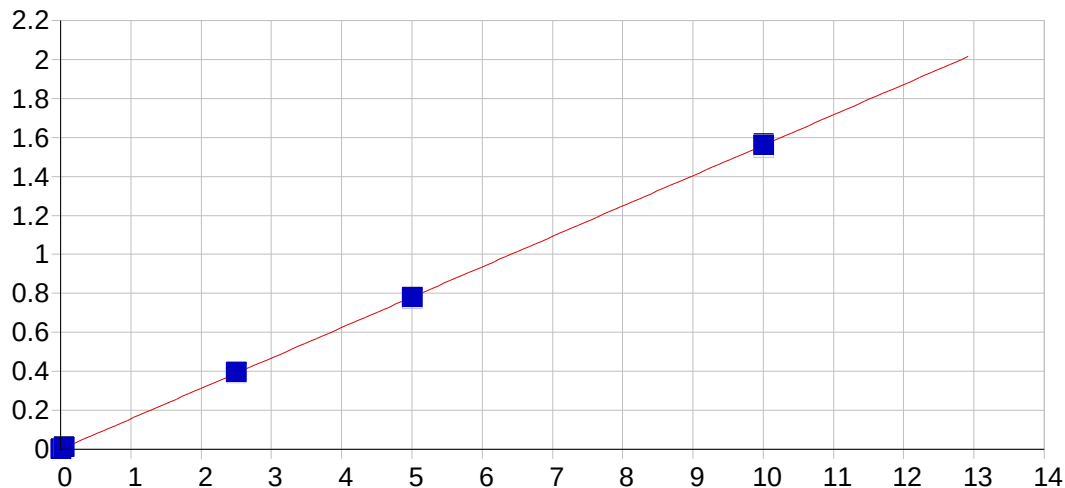
Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000131 Re-Slope: 1.000000  
 A1 (Gain): 0.074677 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999994  
 Std Error of Est: 0.000006  
 Predicted MDL: 0.002981  
 Predicted MQL: 0.009938

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00013 | .000    | 1        |
| S1        | .02000       | .01966      | -.000      | -1.71   | .00134  | .000    | 1        |
| S3        | 2.5000       | 2.5206      | .021       | .823    | .18807  | .000    | 1        |
| S4        | 5.0000       | 4.9972      | -.003      | -.056   | .37300  | .000    | 1        |
| S5        | 10.000       | 9.9826      | -.017      | -.174   | .74524  | .003    | 1        |



Sb 206.833 {463}

Date of Fit: 12/4/2018 15:59:29

Type of Fit: Linear

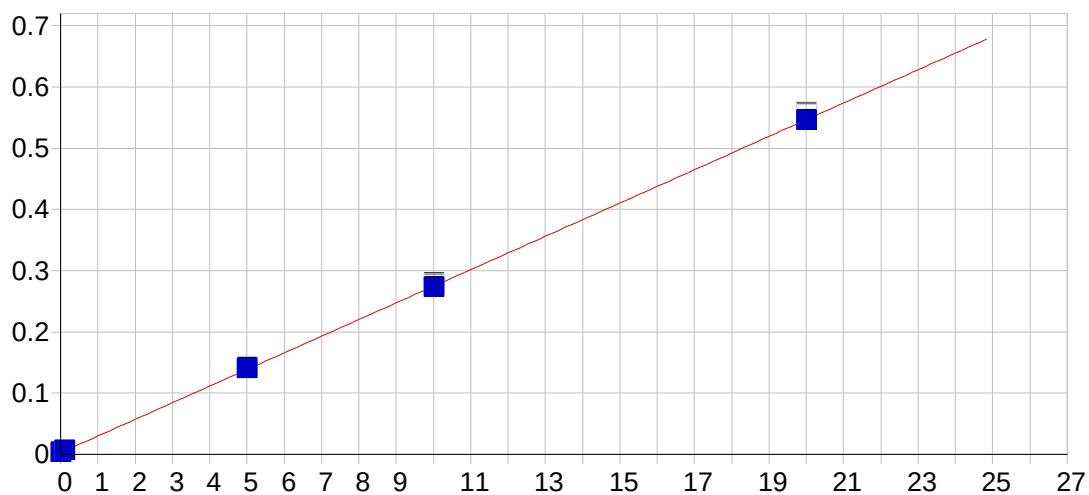
Weighting: 1/Conc

A0 (Offset): 0.000614  
 A1 (Gain): 0.155957  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999975  
 Std Error of Est: 0.000042  
 Predicted MDL: 0.001715  
 Predicted MQL: 0.005718

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    | .00061 | .000    | 1        |
| S1        | .05000       | .05600      | .006       | 12.0    | .00915 | .000    | 1        |
| S3        | 2.5000       | 2.5128      | .013       | .513    | .38812 | .000    | 1        |
| S4        | 5.0000       | 4.9803      | -.020      | -.395   | .76855 | .002    | 1        |
| S5        | 10.000       | 10.001      | .001       | .010    | 1.5428 | .006    | 1        |

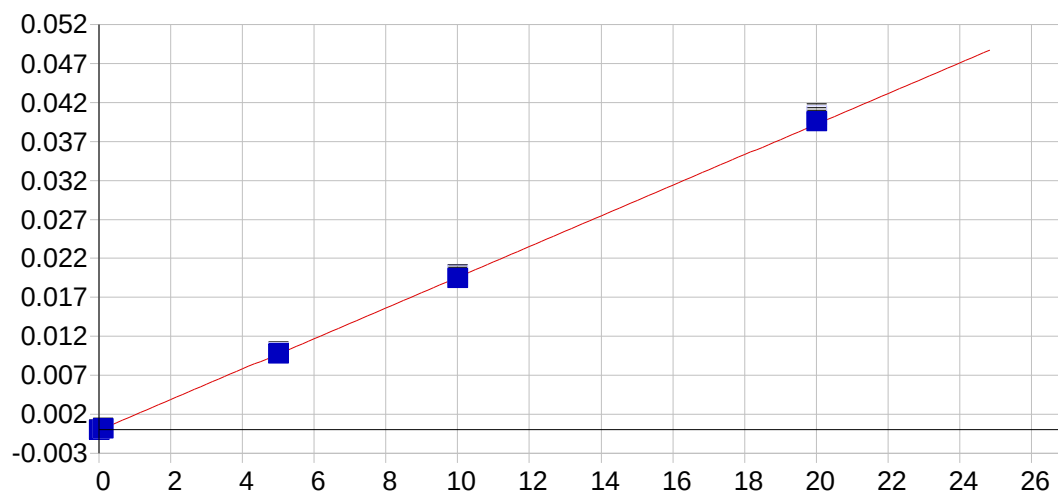


AI 308.215 {109}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002689 Re-Slope: 1.000000  
 A1 (Gain): 0.027185 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999966 Status: OK.  
 Std Error of Est: 0.000018  
 Predicted MDL: 0.003285  
 Predicted MQL: 0.010951

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00269 | .000    | 1        |
| S1        | .10000       | .11252      | .013       | 12.5    | .00594 | .000    | 1        |
| S3        | 5.0000       | 5.0572      | .057       | 1.14    | .14288 | .000    | 1        |
| S4        | 10.000       | 9.9497      | -.050      | -.503   | .27858 | .001    | 1        |
| S5        | 20.000       | 19.980      | -.020      | -.100   | .55667 | .001    | 1        |



AI 309.271 {109}

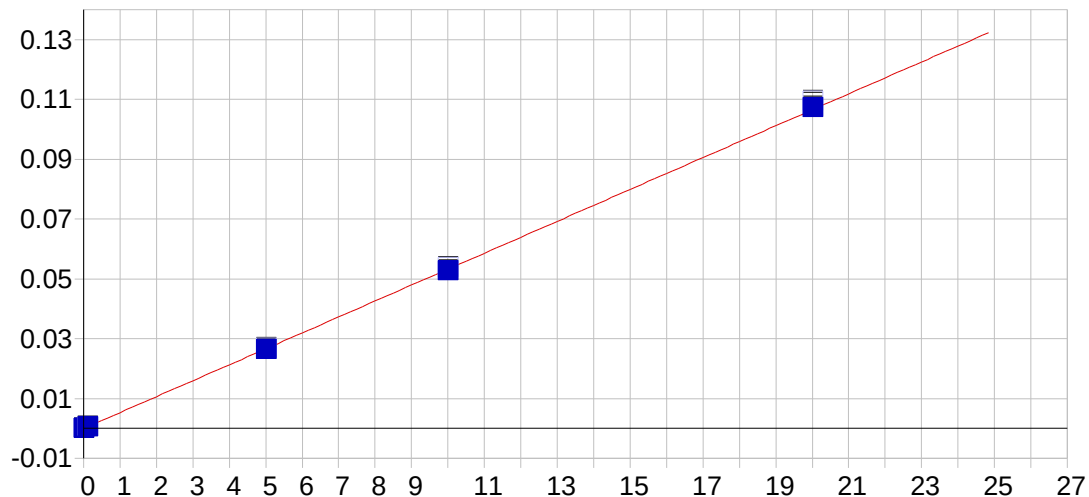
Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000060 Re-Slope: 1.000000  
 A1 (Gain): 0.001964 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999962  
 Std Error of Est: 0.000001  
 Predicted MDL: 0.028170  
 Predicted MQL: 0.093900

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | -.00006 | .000    | 1        |
| S1        | .10000       | .09066      | -.009      | -9.34   | .00013  | .000    | 1        |
| S3        | 5.0000       | 4.9639      | -.036      | -.721   | .00989  | .000    | 1        |
| S4        | 10.000       | 9.9140      | -.086      | -.860   | .01980  | .000    | 1        |
| S5        | 20.000       | 20.132      | .132       | .659    | .04027  | .000    | 1        |



AI 396.152 { 85}

Date of Fit: 12/4/2018 15:59:29

Type of Fit: Linear

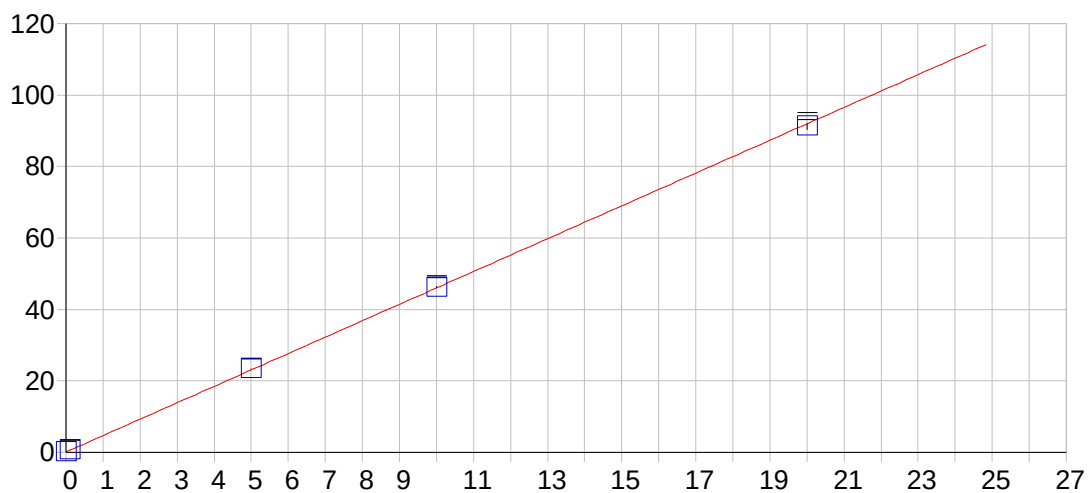
Weighting: 1/Conc

A0 (Offset): -0.000029  
 A1 (Gain): 0.005328  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999945  
 Std Error of Est: 0.000004  
 Predicted MDL: 0.020607  
 Predicted MQL: 0.068691

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    | -.00003 | .000    | 1        |
| S1        | .10000       | .11220      | .012       | 12.2    | .00061  | .000    | 1        |
| S3        | 5.0000       | 4.9411      | -.059      | -1.18   | .02683  | .000    | 1        |
| S4        | 10.000       | 9.9078      | -.092      | -.922   | .05382  | .000    | 1        |
| S5        | 20.000       | 20.138      | .138       | .692    | .10939  | .000    | 1        |

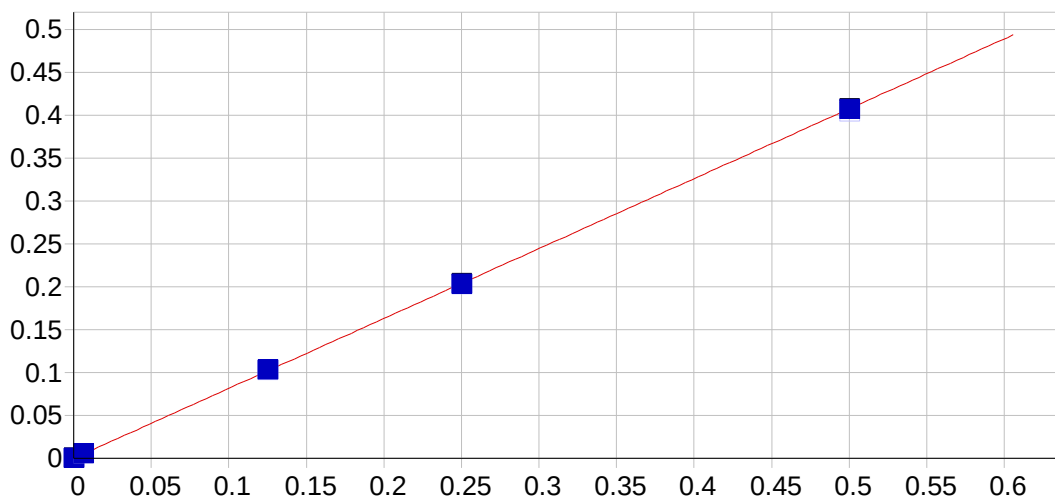


Ba 493.409 { 68}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.113077 Re-Slope: 1.000000  
 A1 (Gain): 4.591809 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999942 Status: OK.  
 Std Error of Est: 0.003790  
 Predicted MDL: 0.000942  
 Predicted MQL: 0.003142

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .11301 | .003    | 1        |
| S1        | .10000       | .11219      | .012       | 12.2    | .62823 | .004    | 1        |
| S3        | 5.0000       | 5.0812      | .081       | 1.62    | 23.445 | .102    | 1        |
| S5        | 20.000       | 19.856      | -.144      | -.718   | 91.290 | .959    | 1        |
| S4        | 10.000       | 10.050      | .050       | .503    | 46.262 | .236    | 1        |



Be 234.861 {144}

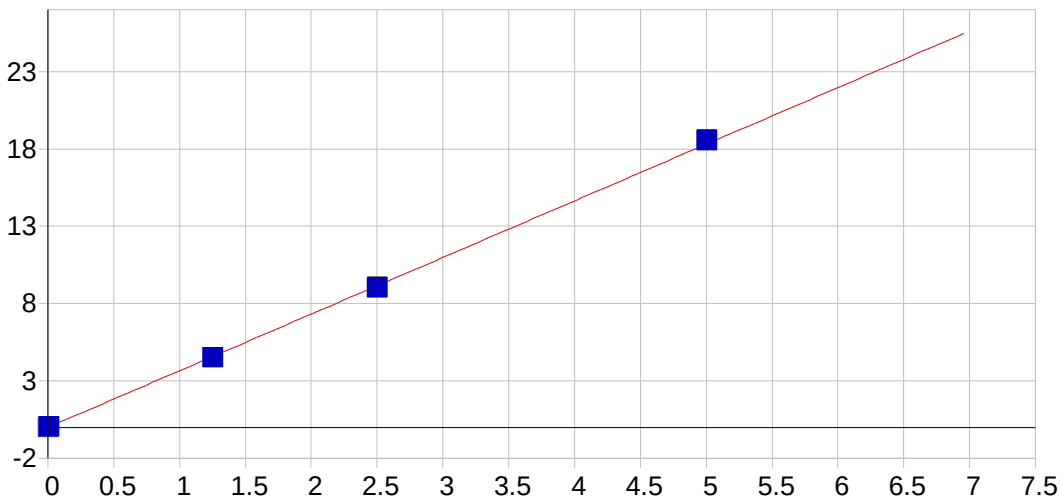
Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000029 Re-Slope: 1.000000  
 A1 (Gain): 0.814836 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999962  
 Std Error of Est: 0.000021  
 Predicted MDL: 0.000071  
 Predicted MQL: 0.000236

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00003 | .000    | 1        |
| S1        | .00600       | .00654      | .001       | 9.00    | .00531 | .000    | 1        |
| S3        | .12500       | .12629      | .001       | 1.03    | .10230 | .000    | 1        |
| S4        | .25000       | .24932      | -.001      | -.270   | .20191 | .000    | 1        |
| S5        | .50000       | .49885      | -.001      | -.231   | .40394 | .001    | 1        |



Cd 226.502 {449}

Date of Fit: 12/4/2018 15:59:29

Type of Fit: Linear

Weighting: 1/Conc

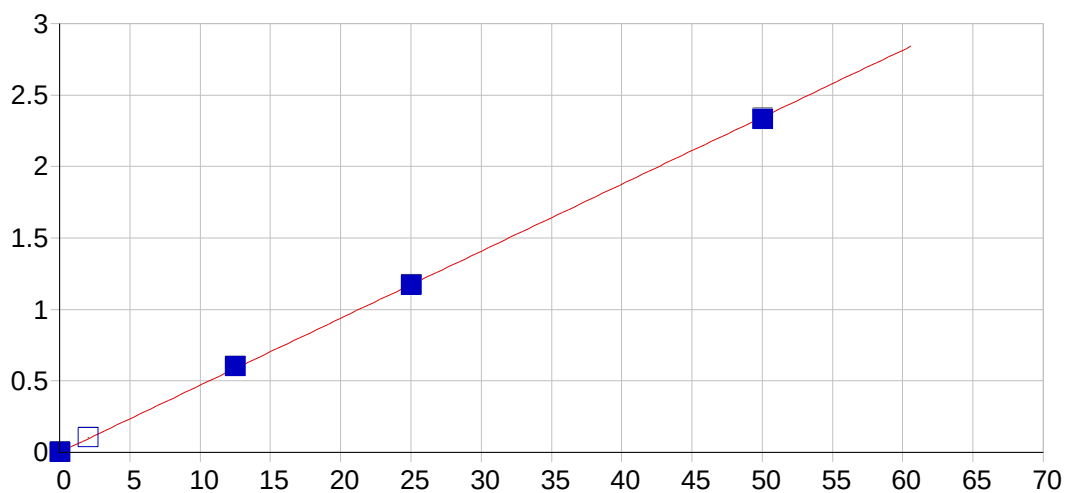
A0 (Offset): -0.000829  
 A1 (Gain): 3.660735  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999904  
 Std Error of Est: 0.000474  
 Predicted MDL: 0.000090  
 Predicted MQL: 0.000300

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    | -.00083 | .000    | 1        |
| S1        | .00600       | .00589      | -.000      | -1.89   | .02076  | .000    | 1        |
| S3        | 1.2500       | 1.2256      | -.024      | -1.95   | 4.4868  | .004    | 1        |
| S4        | 2.5000       | 2.4650      | -.035      | -1.40   | 9.0248  | .015    | 1        |
| S5        | 5.0000       | 5.0596      | .060       | 1.19    | 18.525  | .046    | 1        |



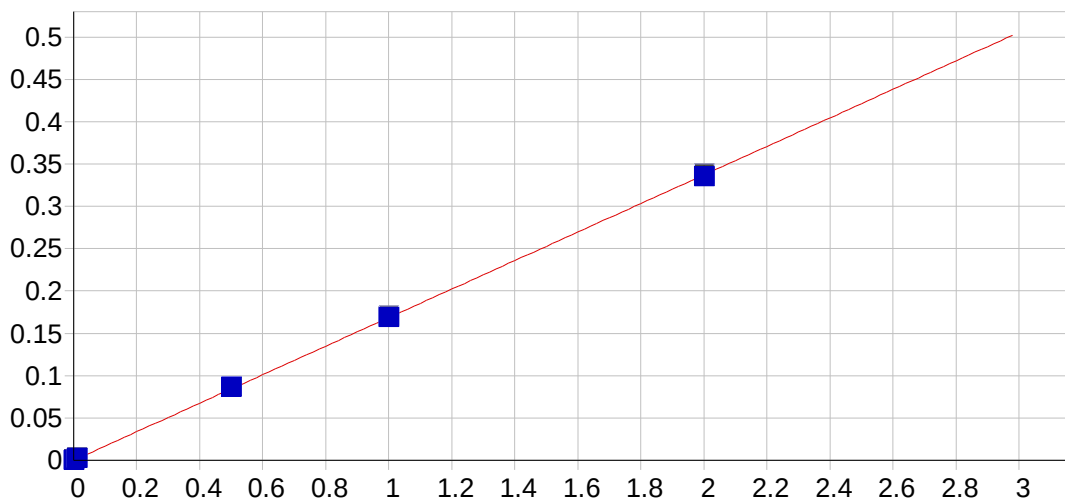


Ca 373.690 { 90}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000513 Re-Slope: 1.000000  
 A1 (Gain): 0.046891 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999862 Status: OK.  
 Std Error of Est: 0.000426  
 Predicted MDL: 0.021681  
 Predicted MQL: 0.072269

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1844      | .184       | 9.22    | .10294 | .000    | 1        |
| S0        | .00000       | -.00020     | -.000      | .000    | .00050 | .000    | 1        |
| S3        | 12.500       | 12.753      | .253       | 2.02    | .59882 | .001    | 1        |
| S4        | 25.000       | 24.895      | -.105      | -.419   | 1.1685 | .007    | 1        |
| S5        | 50.000       | 49.668      | -.332      | -.665   | 2.3307 | .005    | 1        |



Cr 267.716 {126}

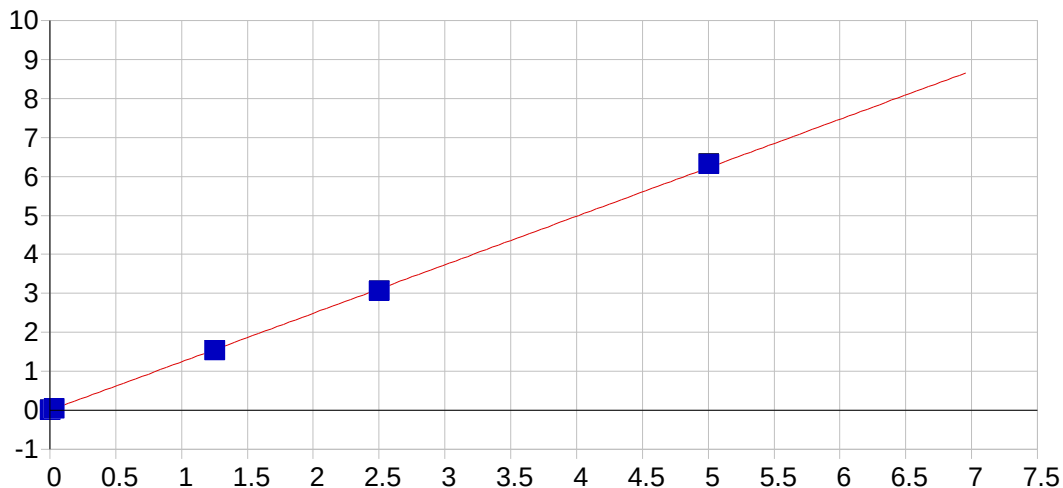
Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000048 Re-Slope: 1.000000  
 A1 (Gain): 0.168527 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999947  
 Std Error of Est: 0.000013  
 Predicted MDL: 0.000453  
 Predicted MQL: 0.001509

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00005 | .000    | 1        |
| S1        | .01000       | .01104      | .001       | 10.4    | .00192 | .000    | 1        |
| S3        | .50000       | .51018      | .010       | 2.04    | .08666 | .000    | 1        |
| S4        | 1.0000       | .99983      | -.000      | -.017   | .16980 | .000    | 1        |
| S5        | 2.0000       | 1.9890      | -.011      | -.552   | .33776 | .000    | 1        |



Co 228.616 {447}

Date of Fit: 12/4/2018 15:59:29

Type of Fit: Linear

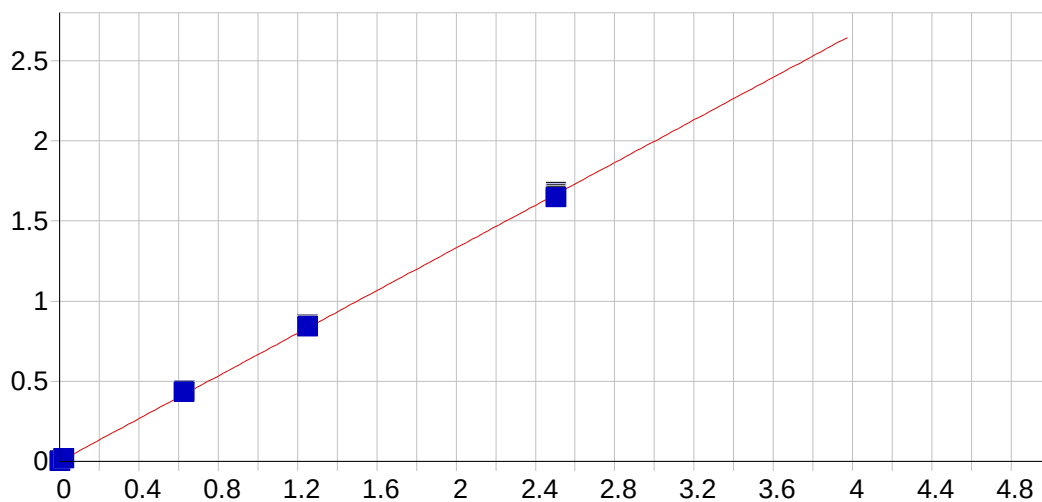
Weighting: 1/Conc

A0 (Offset): -0.000313  
 A1 (Gain): 1.244593  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999855  
 Std Error of Est: 0.000444  
 Predicted MDL: 0.000240  
 Predicted MQL: 0.000801

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    | -.00032 | .000    | 1        |
| S1        | .03000       | .03336      | .003       | 11.2    | .04096  | .000    | 1        |
| S3        | 1.2500       | 1.2243      | -.026      | -2.06   | 1.5247  | .001    | 1        |
| S4        | 2.5000       | 2.4562      | -.044      | -1.75   | 3.0592  | .001    | 1        |
| S5        | 5.0000       | 5.0661      | .066       | 1.32    | 6.3098  | .014    | 1        |

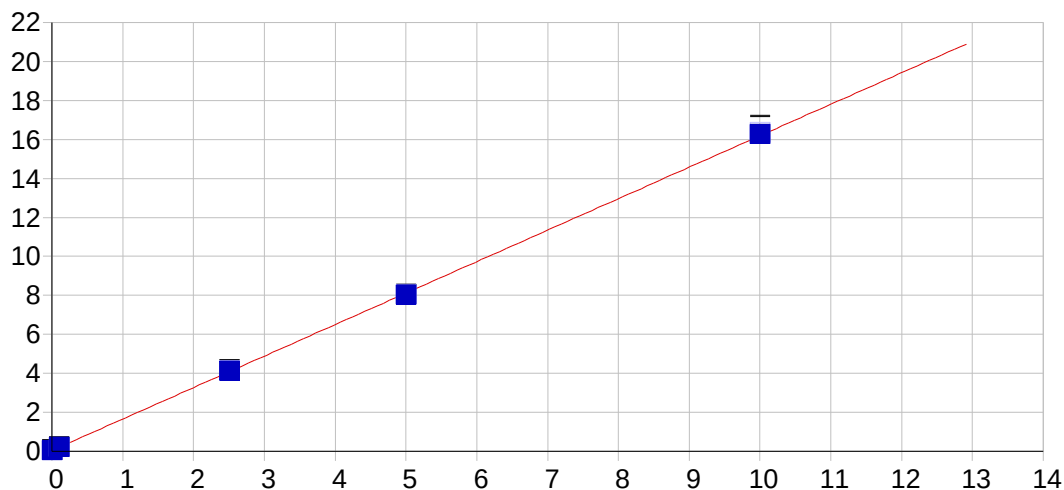


Cu 224.700 {450}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000501 Re-Slope: 1.000000  
 A1 (Gain): 0.665844 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999828 Status: OK.  
 Std Error of Est: 0.000152  
 Predicted MDL: 0.000532  
 Predicted MQL: 0.001773

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00050 | .000    | 1        |
| S1        | .02000       | .02269      | .003       | 13.4    | .01581 | .000    | 1        |
| S3        | .62500       | .64724      | .022       | 3.56    | .43819 | .000    | 1        |
| S4        | 1.2500       | 1.2560      | .006       | .481    | .85026 | .000    | 1        |
| S5        | 2.5000       | 2.4691      | -.031      | -1.24   | 1.6714 | .008    | 1        |



Fe 240.488 {140}

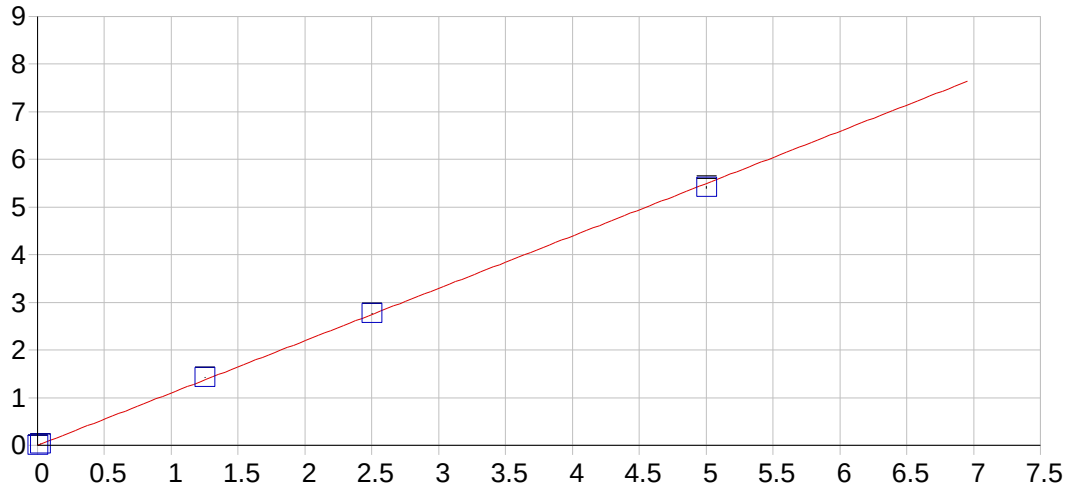
Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.040194 Re-Slope: 1.000000  
 A1 (Gain): 1.615177 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999968  
 Std Error of Est: 0.000707  
 Predicted MDL: 0.008478  
 Predicted MQL: 0.028259

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .04020 | .012    | 1        |
| S1        | .10000       | .09918      | -.001      | -.818   | .20118 | .039    | 1        |
| S3        | 2.5000       | 2.5174      | .017       | .697    | 4.1266 | .049    | 1        |
| S4        | 5.0000       | 4.9366      | -.063      | -1.27   | 8.0543 | .004    | 1        |
| S5        | 10.000       | 10.047      | .047       | .468    | 16.349 | .374    | 1        |



Mn 257.610 {131}

Date of Fit: 12/4/2018 15:59:29

Type of Fit: Linear

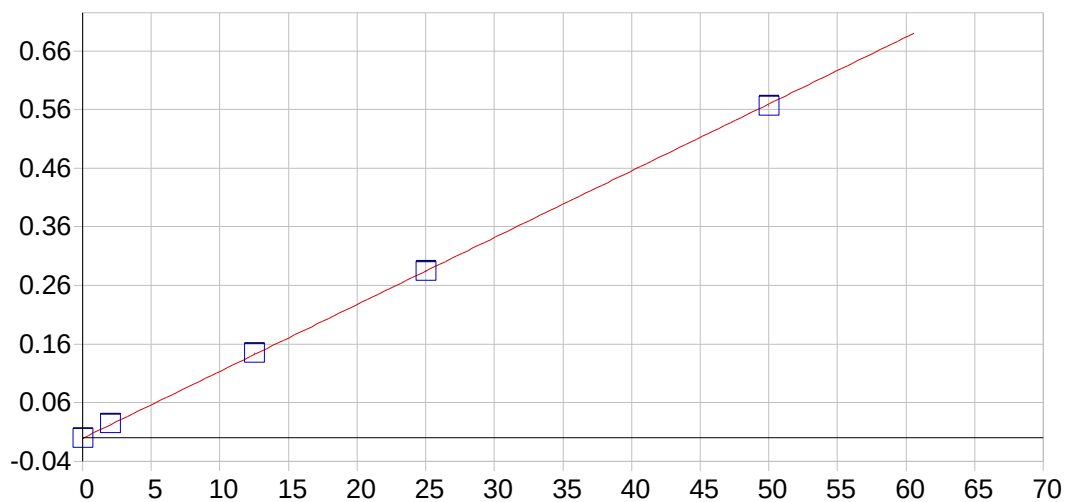
Weighting: 1/Conc

A0 (Offset): 0.000142  
 A1 (Gain): 1.098416  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999816  
 Std Error of Est: 0.000360  
 Predicted MDL: 0.000085  
 Predicted MQL: 0.000282

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    | .00014 | .000    | 1        |
| S1        | .02000       | .02384      | .004       | 19.2    | .02633 | .000    | 1        |
| S3        | 1.2500       | 1.2916      | .042       | 3.33    | 1.4189 | .001    | 1        |
| S4        | 2.5000       | 2.5219      | .022       | .876    | 2.7702 | .002    | 1        |
| S5        | 5.0000       | 4.9326      | -.067      | -1.35   | 5.4182 | .027    | 1        |

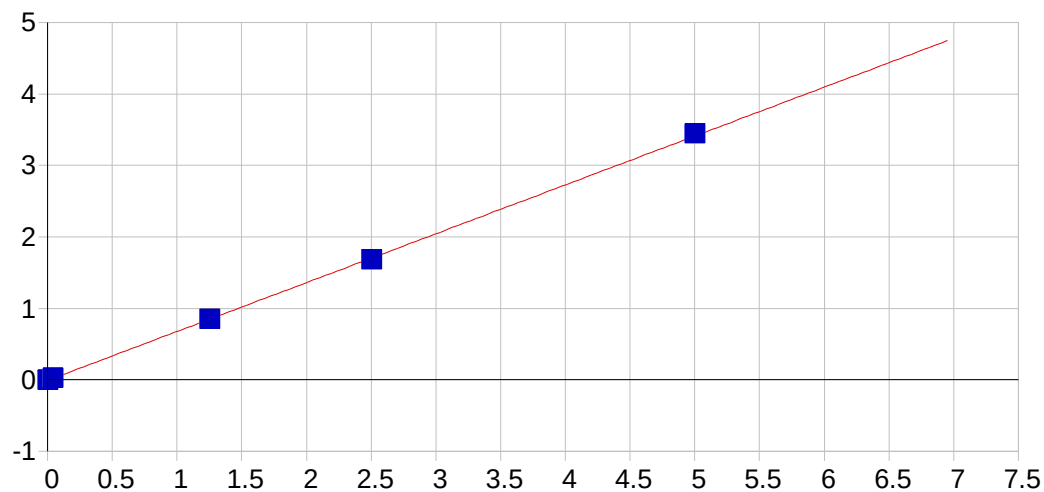


Mg 279.079 {121}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000511 Re-Slope: 1.000000  
 A1 (Gain): 0.011400 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999909 Status: OK.  
 Std Error of Est: 0.000084  
 Predicted MDL: 0.045446  
 Predicted MQL: 0.151485

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.1471      | .147       | 7.36    | .02397  | .000    | 1        |
| S0        | .00000       | -.00016     | -.000      | .000    | -.00051 | .000    | 1        |
| S3        | 12.500       | 12.705      | .205       | 1.64    | .14432  | .000    | 1        |
| S4        | 25.000       | 24.961      | -.039      | -.156   | .28403  | .001    | 1        |
| S5        | 50.000       | 49.687      | -.313      | -.625   | .56591  | .001    | 1        |



Ni 231.604 {445}

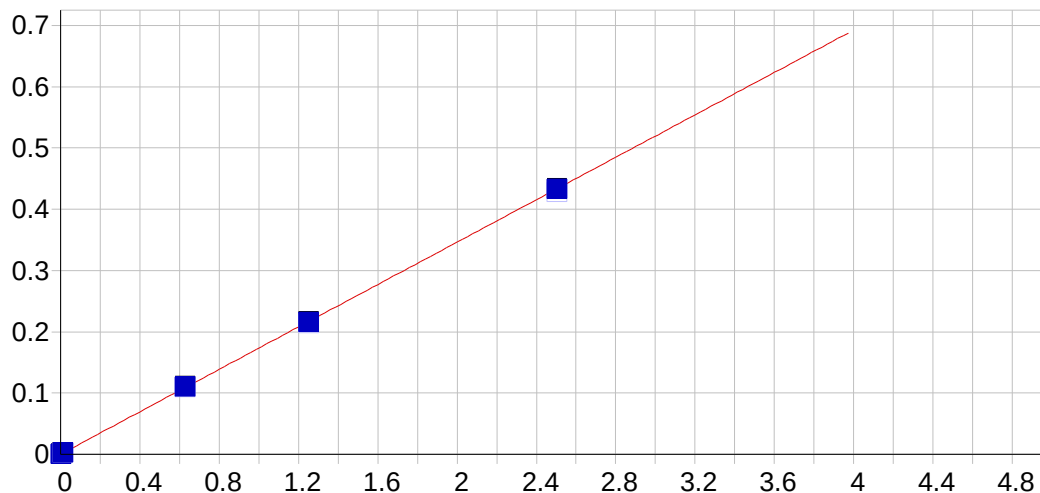
Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.007703 Re-Slope: 1.000000  
 A1 (Gain): 0.683854 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999919  
 Std Error of Est: 0.000211  
 Predicted MDL: 0.000466  
 Predicted MQL: 0.001554

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00771 | .000    | 1        |
| S1        | .04000       | .04440      | .004       | 11.0    | .02268  | .000    | 1        |
| S3        | 1.2500       | 1.2424      | -.008      | -.610   | .84284  | .003    | 1        |
| S4        | 2.5000       | 2.4623      | -.038      | -1.51   | 1.6780  | .000    | 1        |
| S5        | 5.0000       | 5.0409      | .041       | .818    | 3.4433  | .003    | 1        |



Ag 328.068 {103}

Date of Fit: 12/4/2018 15:59:29

Type of Fit: Linear

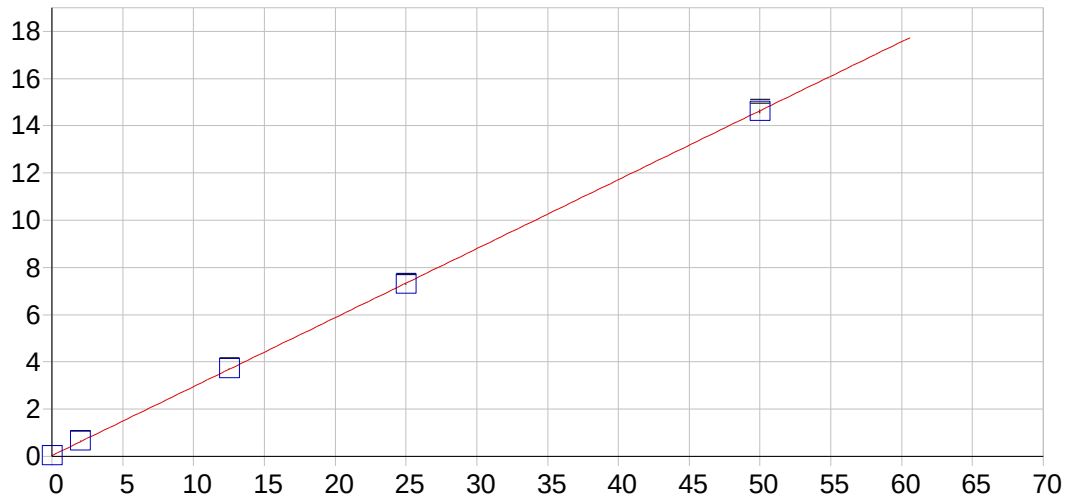
Weighting: 1/Conc

A0 (Offset): 0.000205  
 A1 (Gain): 0.173079  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999978  
 Std Error of Est: 0.000010  
 Predicted MDL: 0.000644  
 Predicted MQL: 0.002145

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    | .00020 | .000    | 1        |
| S1        | .01000       | .01071      | .001       | 7.08    | .00202 | .000    | 1        |
| S3        | .62500       | .63294      | .008       | 1.27    | .10853 | .001    | 1        |
| S4        | 1.2500       | 1.2430      | -.007      | -.561   | .21289 | .001    | 1        |
| S5        | 2.5000       | 2.4984      | -.002      | -.065   | .42771 | .001    | 1        |

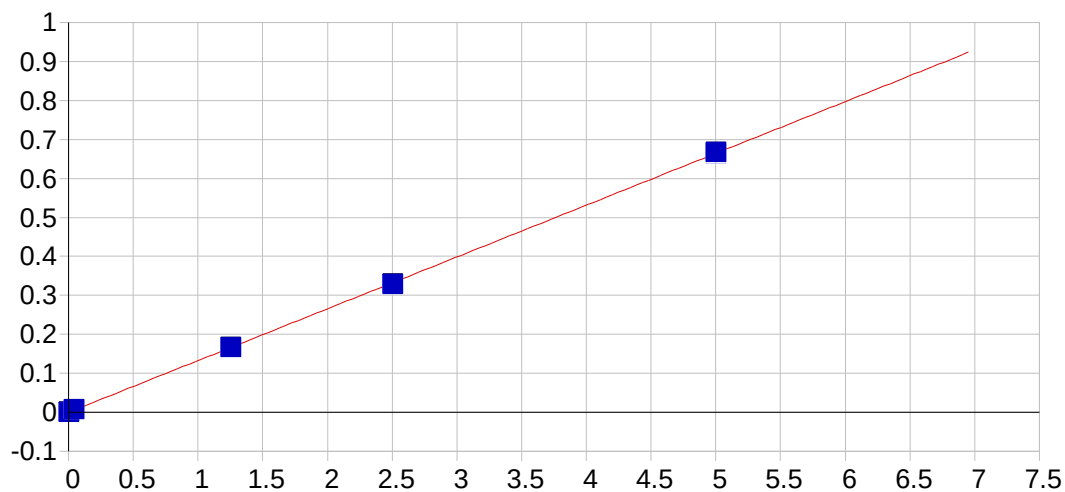


Na 589.592 { 57}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.032474 Re-Slope: 1.000000  
 A1 (Gain): 0.292204 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999943 Status: OK.  
 Std Error of Est: 0.001696  
 Predicted MDL: 0.011786  
 Predicted MQL: 0.039287

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1227      | .123       | 6.14    | .65274 | .007    | 1        |
| S0        | .00000       | -.00013     | -.000      | .000    | .03244 | .000    | 1        |
| S3        | 12.500       | 12.634      | .134       | 1.07    | 3.7242 | .004    | 1        |
| S4        | 25.000       | 24.848      | -.152      | -.609   | 7.2931 | .029    | 1        |
| S5        | 50.000       | 49.896      | -.104      | -.209   | 14.612 | .072    | 1        |



V 292.402 {115}

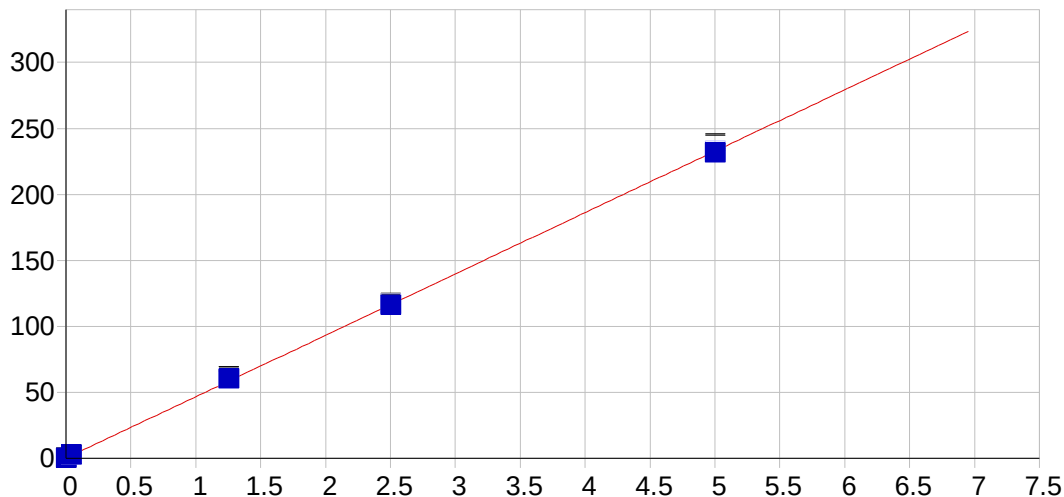
Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000093 Re-Slope: 1.000000  
 A1 (Gain): 0.132865 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999933  
 Std Error of Est: 0.000037  
 Predicted MDL: 0.000599  
 Predicted MQL: 0.001997

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00009 | .000    | 1        |
| S1        | .04000       | .04583      | .006       | 14.6    | .00591  | .000    | 1        |
| S3        | 1.2500       | 1.2540      | .004       | .317    | .16543  | .000    | 1        |
| S4        | 2.5000       | 2.4750      | -.025      | -1.00   | .32657  | .000    | 1        |
| S5        | 5.0000       | 5.0153      | .015       | .306    | .66192  | .001    | 1        |



Zn 206.200 {163}

Date of Fit: 12/4/2018 15:59:29

Type of Fit: Linear

Weighting: 1/Conc

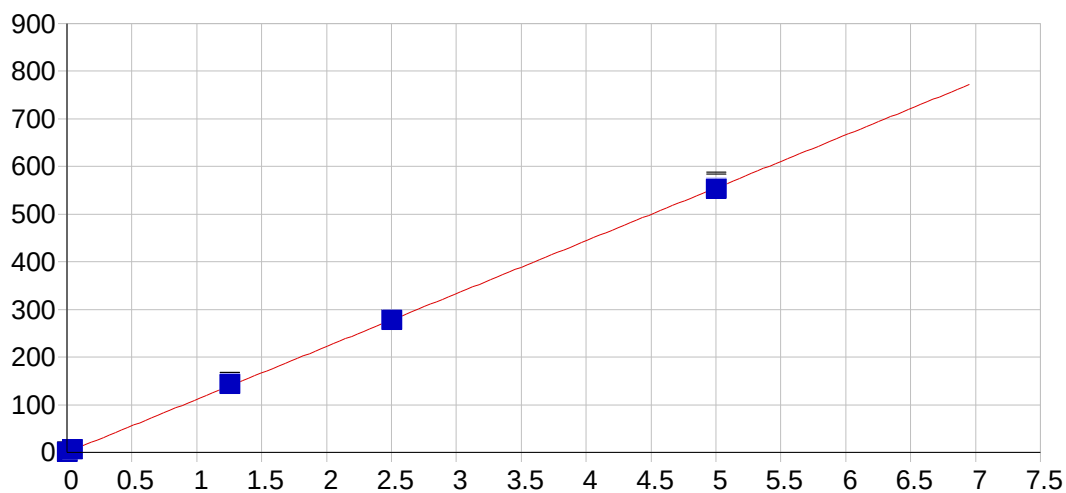
A0 (Offset): 0.170165  
 A1 (Gain): 46.518802  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999876  
 Std Error of Est: 0.017808  
 Predicted MDL: 0.000402  
 Predicted MQL: 0.001339

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    | .16983 | .015    | 1        |
| S1        | .04000       | .04640      | .006       | 16.0    | 2.3409 | .023    | 1        |
| S3        | 1.2500       | 1.2842      | .034       | 2.74    | 60.262 | 1.54    | 1        |
| S4        | 2.5000       | 2.4919      | -.008      | -.322   | 116.80 | .376    | 1        |
| S5        | 5.0000       | 4.9674      | -.033      | -.651   | 232.66 | 5.72    | 1        |



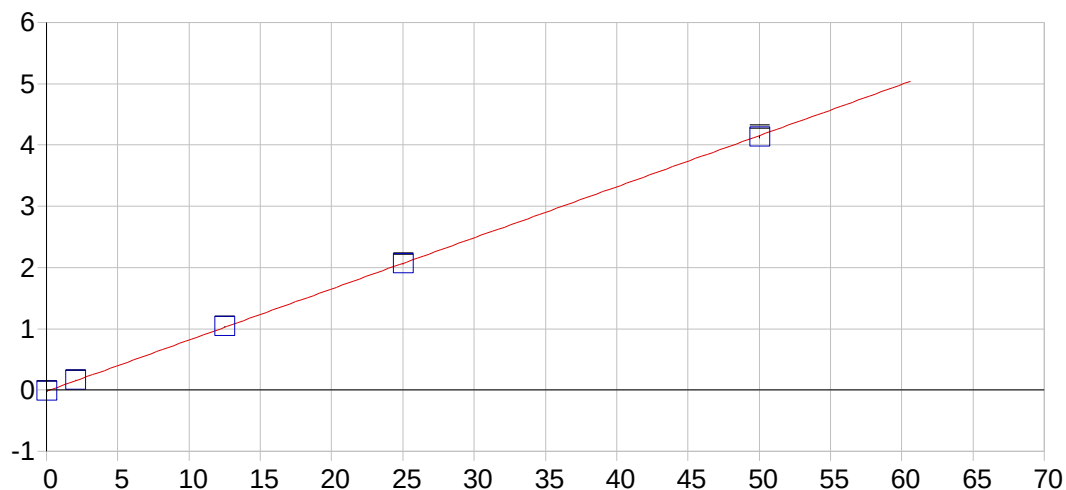


Zn 213.856 {458}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.263094 Re-Slope: 1.000000  
 A1 (Gain): 110.989091 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999887 Status: OK.  
 Std Error of Est: 0.040546  
 Predicted MDL: 0.000088  
 Predicted MQL: 0.000294

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .26237 | .013    | 1        |
| S1        | .04000       | .04584      | .006       | 14.6    | 5.3803 | .089    | 1        |
| S3        | 1.2500       | 1.2840      | .034       | 2.72    | 143.61 | 3.22    | 1        |
| S4        | 2.5000       | 2.4911      | -.009      | -.356   | 278.43 | .236    | 1        |
| S5        | 5.0000       | 4.9690      | -.031      | -.619   | 555.13 | 11.2    | 1        |



K 766.490 {44}

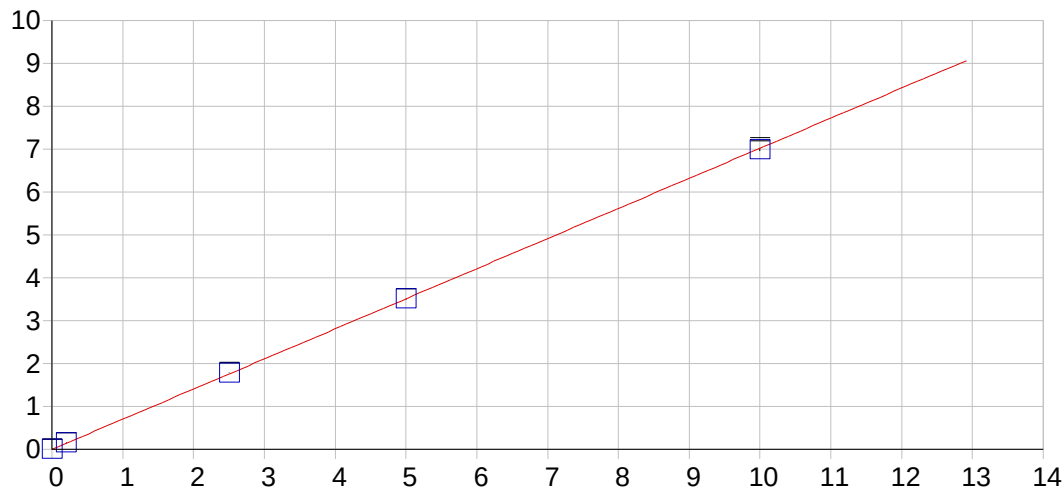
Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.019276 Re-Slope: 1.000000  
 A1 (Gain): 0.083457 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999934  
 Std Error of Est: 0.000523  
 Predicted MDL: 0.044298  
 Predicted MQL: 0.147659

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.1308      | .131       | 6.54    | .15856  | .000    | 1        |
| S0        | .00000       | -.00014     | -.000      | .000    | -.01929 | .002    | 1        |
| S3        | 12.500       | 12.659      | .159       | 1.27    | 1.0372  | .001    | 1        |
| S4        | 25.000       | 24.938      | -.062      | -.249   | 2.0619  | .011    | 1        |
| S5        | 50.000       | 49.772      | -.228      | -.456   | 4.1345  | .023    | 1        |



Mo 202.030 {467}

Date of Fit: 12/4/2018 15:59:29

Type of Fit: Linear

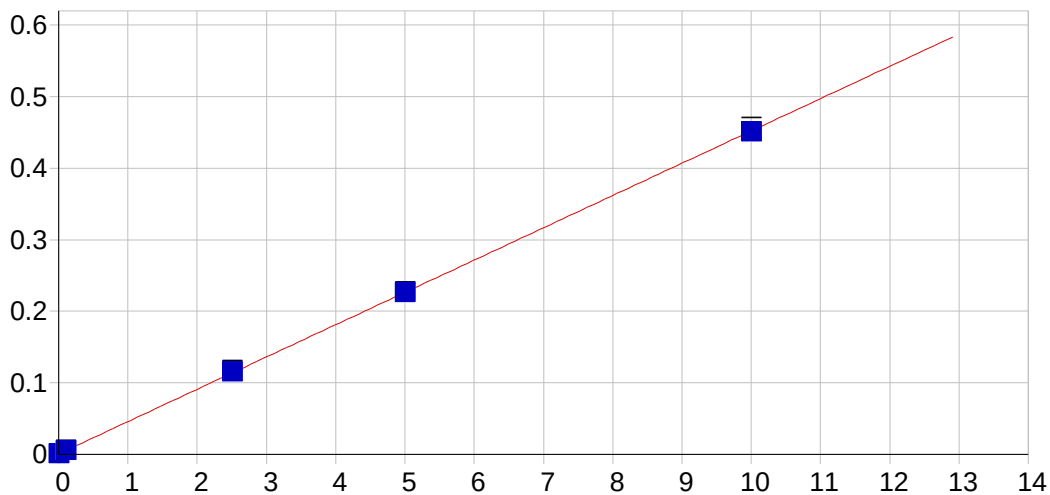
Weighting: 1/Conc

A0 (Offset): 0.000408  
 A1 (Gain): 0.702079  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999952  
 Std Error of Est: 0.000530  
 Predicted MDL: 0.000308  
 Predicted MQL: 0.001025

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    | .00040 | .000    | 1        |
| S1        | .20000       | .21449      | .014       | 7.25    | .15100 | .000    | 1        |
| S3        | 2.5000       | 2.5326      | .033       | 1.30    | 1.7785 | .006    | 1        |
| S4        | 5.0000       | 5.0012      | .001       | .023    | 3.5116 | .000    | 1        |
| S5        | 10.000       | 9.9517      | -.048      | -.483   | 6.9873 | .036    | 1        |

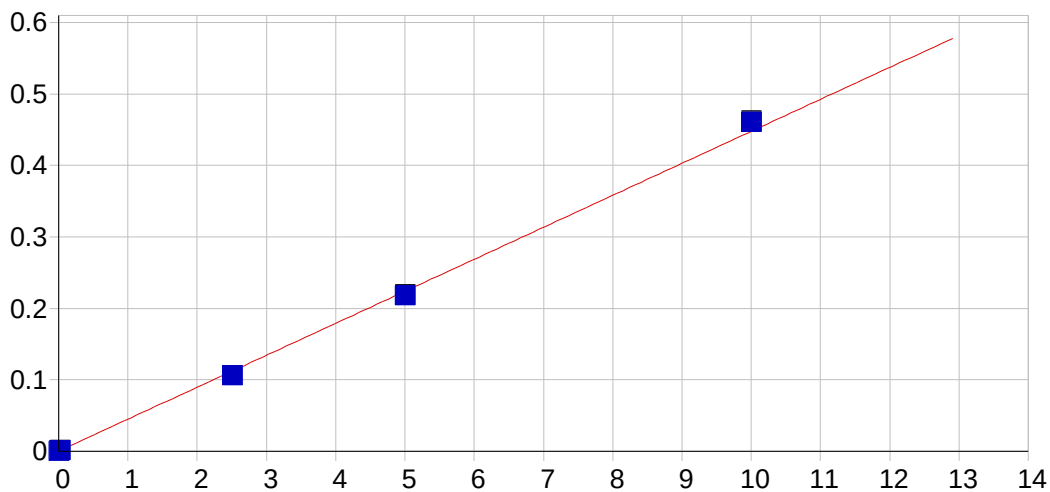


B 249.678 {135}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000767 Re-Slope: 1.000000  
 A1 (Gain): 0.045140 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999985 Status: OK.  
 Std Error of Est: 0.000013  
 Predicted MDL: 0.009784  
 Predicted MQL: 0.032613

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00077 | .000    | 1        |
| S1        | .10000       | .09966      | -.000      | -.337   | .00525 | .000    | 1        |
| S3        | 2.5000       | 2.5331      | .033       | 1.32    | .11485 | .002    | 1        |
| S4        | 5.0000       | 4.9897      | -.010      | -.205   | .22548 | .001    | 1        |
| S5        | 10.000       | 9.9775      | -.022      | -.225   | .45010 | .006    | 1        |



S 182.034 {485}

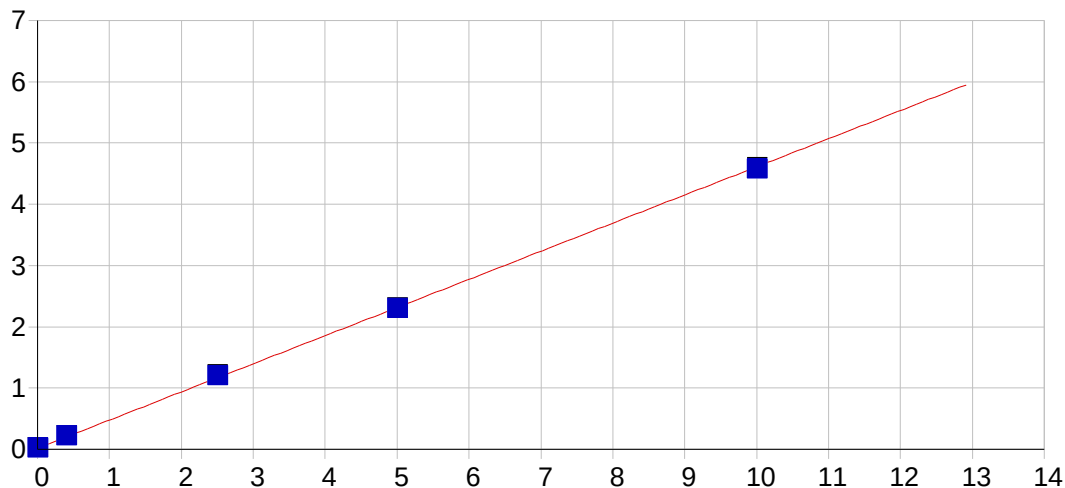
Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000188 Re-Slope: 1.000000  
 A1 (Gain): 0.044760 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999405  
 Std Error of Est: 0.000037  
 Predicted MDL: 0.003219  
 Predicted MQL: 0.010730

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00019 | .000    | 1        |
| S1        | .02000       | .01741      | -.003      | -13.0   | .00094 | .000    | 1        |
| S3        | 2.5000       | 2.3508      | -.149      | -5.97   | .10528 | .001    | 1        |
| S4        | 5.0000       | 4.8677      | -.132      | -2.65   | .21781 | .000    | 1        |
| S5        | 10.000       | 10.284      | .284       | 2.84    | .46000 | .002    | 1        |



Si 288.158 {117}

Date of Fit: 12/4/2018 15:59:29

Type of Fit: Linear

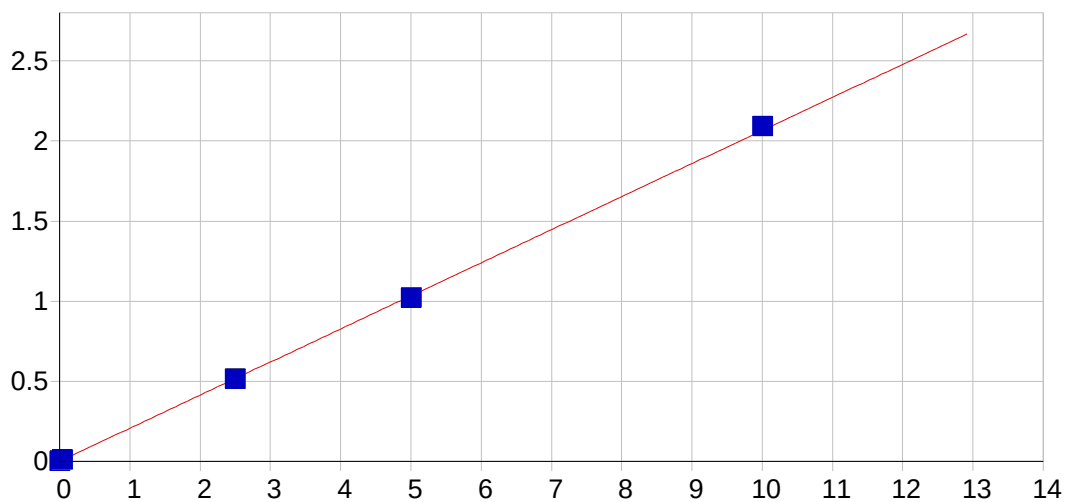
Weighting: 1/Conc

A0 (Offset): 0.017957  
 A1 (Gain): 0.459342  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999800  
 Std Error of Est: 0.001002  
 Predicted MDL: 0.002831  
 Predicted MQL: 0.009438

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       | -.00004     | -.000      | .000    | .01794 | .001    | 1        |
| S1        | .40000       | .43642      | .036       | 9.11    | .21827 | .001    | 1        |
| S3        | 2.5000       | 2.5844      | .084       | 3.38    | 1.2045 | .006    | 1        |
| S4        | 5.0000       | 4.9602      | -.040      | -.797   | 2.2952 | .015    | 1        |
| S5        | 10.000       | 9.9190      | -.081      | -.810   | 4.5717 | .028    | 1        |

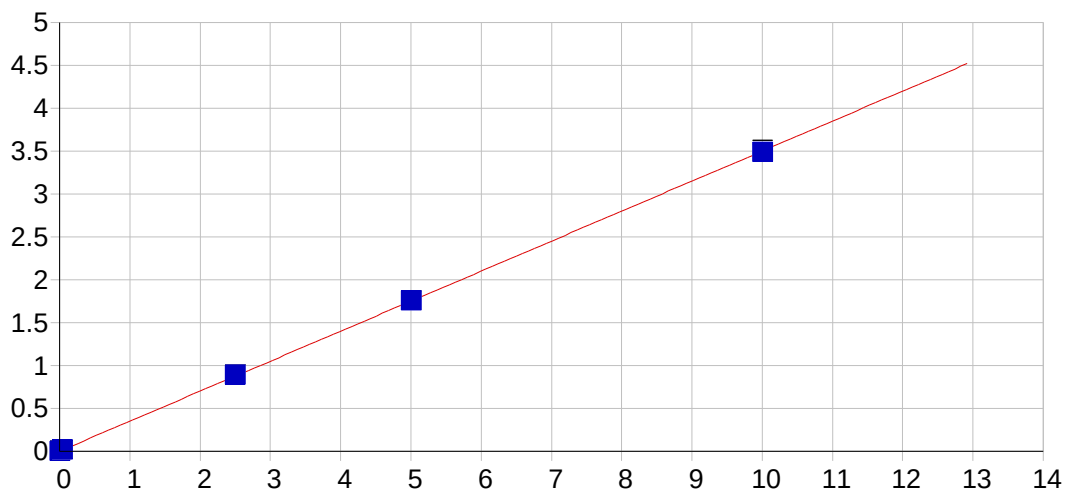


Sn 189.989 {477}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000853 Re-Slope: 1.000000  
 A1 (Gain): 0.206469 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999921 Status: OK.  
 Std Error of Est: 0.000089  
 Predicted MDL: 0.000717  
 Predicted MQL: 0.002391

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00085 | .000    | 1        |
| S1        | .04000       | .04146      | .001       | 3.66    | .00941 | .000    | 1        |
| S3        | 2.5000       | 2.4646      | -.035      | -1.42   | .50981 | .000    | 1        |
| S4        | 5.0000       | 4.9268      | -.073      | -1.46   | 1.0183 | .002    | 1        |
| S5        | 10.000       | 10.107      | .107       | 1.07    | 2.0880 | .003    | 1        |



Ti 336.121 {100}

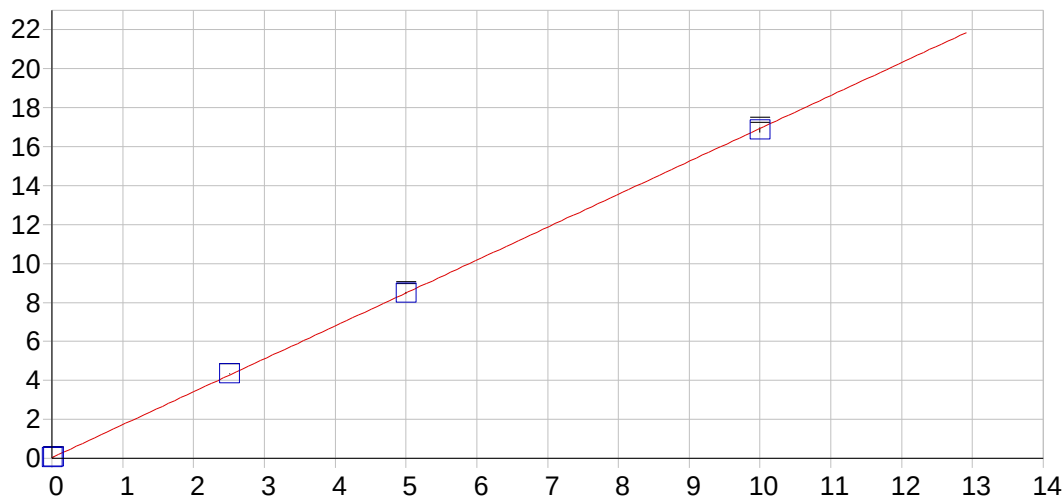
Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001580 Re-Slope: 1.000000  
 A1 (Gain): 0.349855 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999967  
 Std Error of Est: 0.000097  
 Predicted MDL: 0.002192  
 Predicted MQL: 0.007305

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00158 | .000    | 1        |
| S1        | .04000       | .04528      | .005       | 13.2    | .01741 | .000    | 1        |
| S3        | 2.5000       | 2.5279      | .028       | 1.12    | .88587 | .001    | 1        |
| S4        | 5.0000       | 5.0039      | .004       | .078    | 1.7520 | .003    | 1        |
| S5        | 10.000       | 9.9629      | -.037      | -.371   | 3.4867 | .023    | 1        |



Li 670.784 { 50}

Date of Fit: 12/4/2018 15:59:29

Type of Fit: Linear

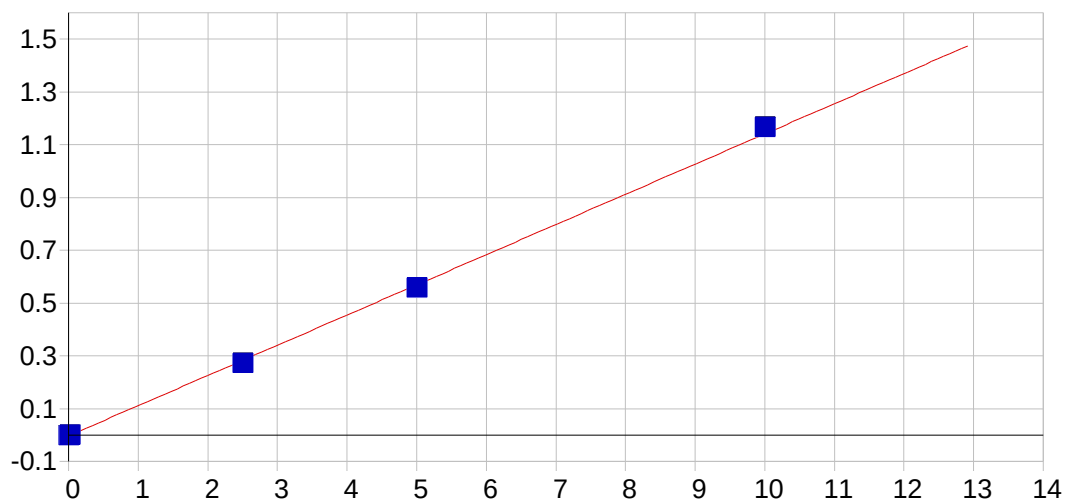
Weighting: 1/Conc

A0 (Offset): 0.034861  
 A1 (Gain): 1.690144  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999970  
 Std Error of Est: 0.000317  
 Predicted MDL: 0.002076  
 Predicted MQL: 0.006919

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    | .03486 | .002    | 1        |
| S1        | .02000       | .01988      | -.000      | -.614   | .06846 | .004    | 1        |
| S3        | 2.5000       | 2.5459      | .046       | 1.84    | 4.3378 | .014    | 1        |
| S4        | 5.0000       | 5.0005      | .000       | .010    | 8.4864 | .046    | 1        |
| S5        | 10.000       | 9.9537      | -.046      | -.463   | 16.858 | .119    | 1        |

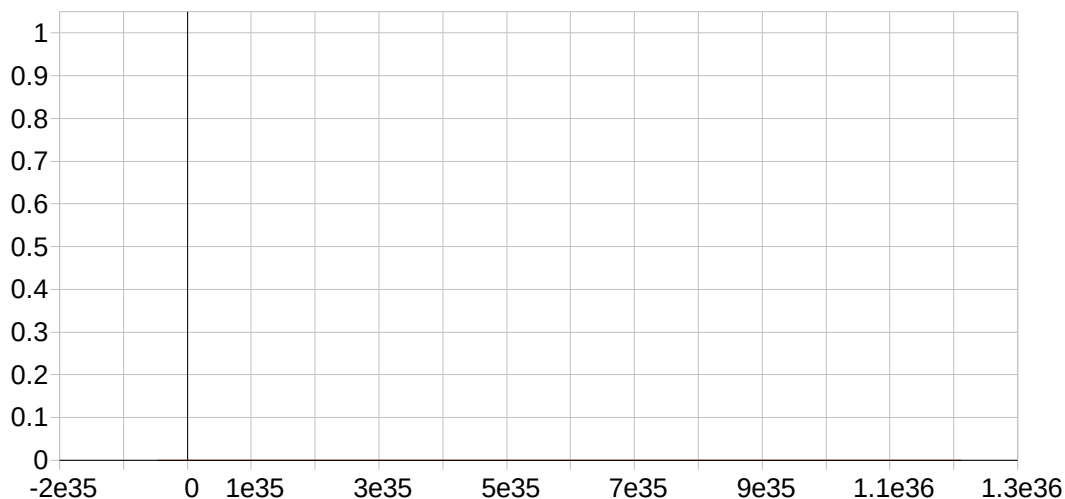


P 177.495 {490}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.003233 Re-Slope: 1.000000  
 A1 (Gain): 0.114410 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999657 Status: OK.  
 Std Error of Est: 0.000072  
 Predicted MDL: 0.001468  
 Predicted MQL: 0.004892

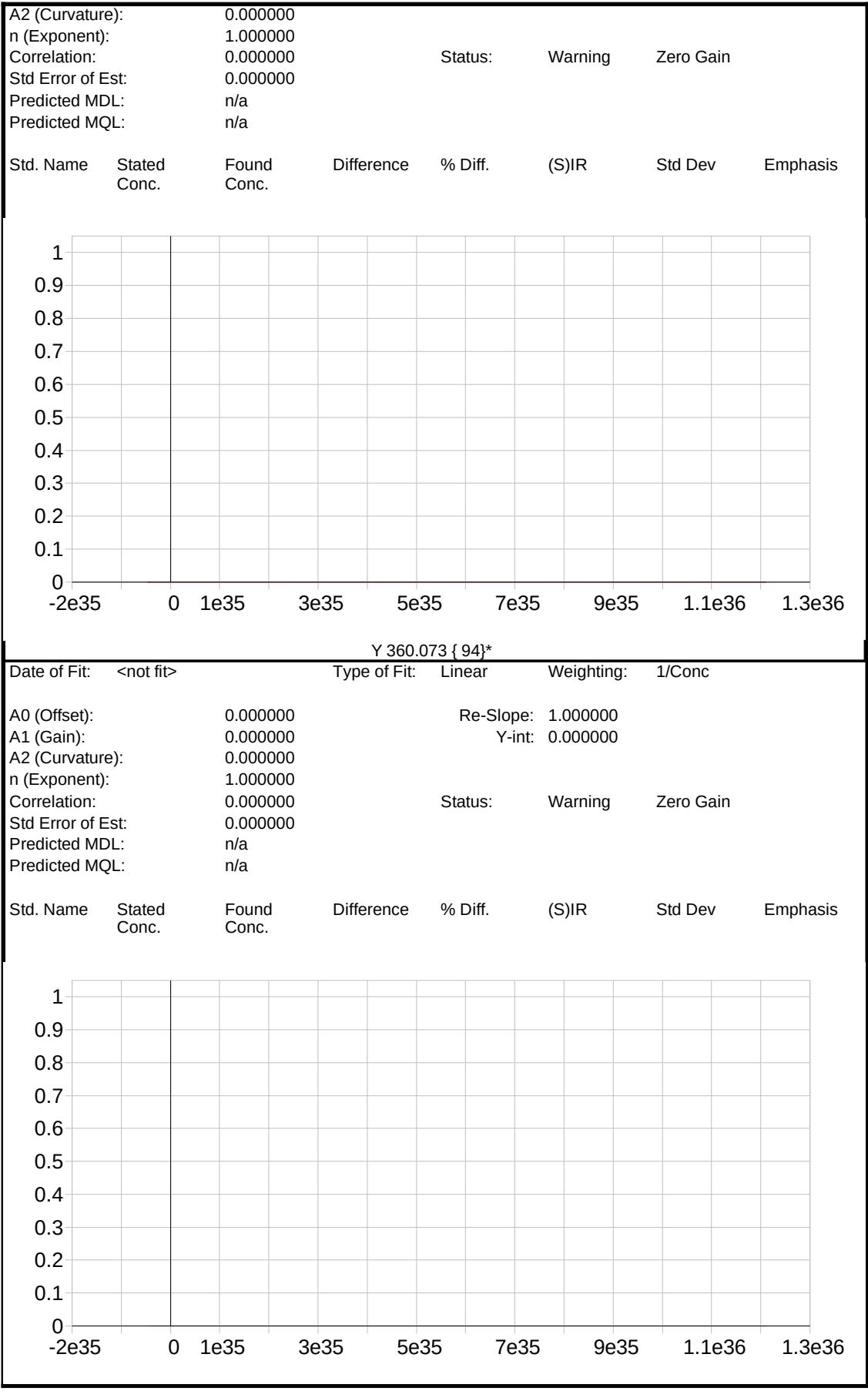
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00323 | .000    | 1        |
| S1        | .02000       | .01882      | -.001      | -5.88   | -.00109 | .000    | 1        |
| S3        | 2.5000       | 2.3910      | -.109      | -4.36   | .26991  | .000    | 1        |
| S4        | 5.0000       | 4.8910      | -.109      | -2.18   | .55551  | .000    | 1        |
| S5        | 10.000       | 10.219      | .219       | 2.19    | 1.1643  | .000    | 1        |



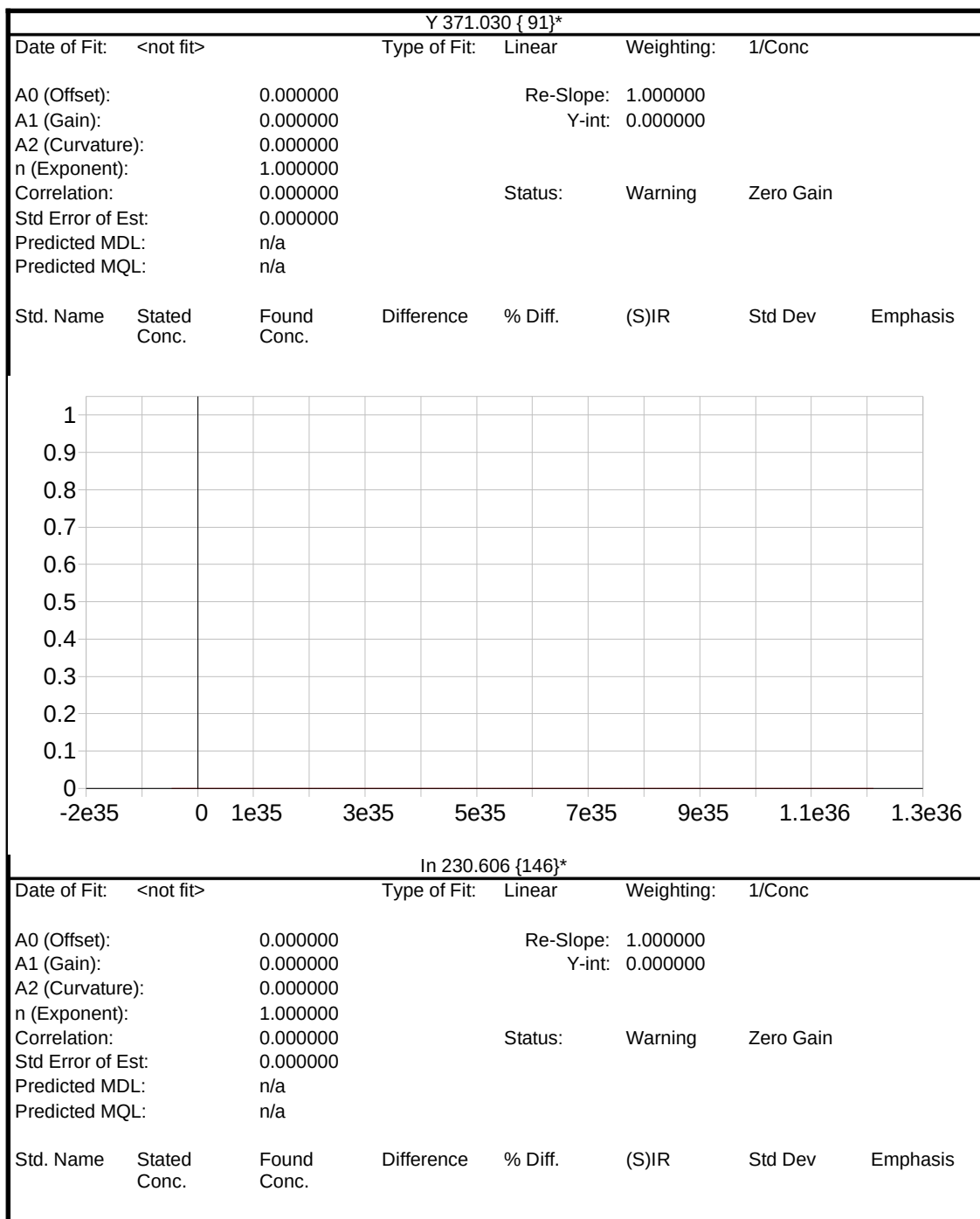
Y 224.306 {450}\*

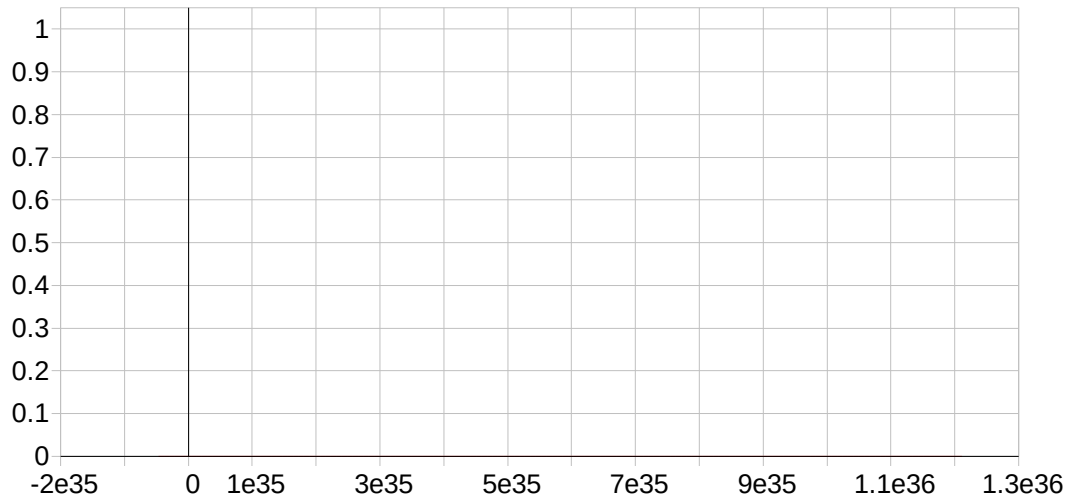
Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

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









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

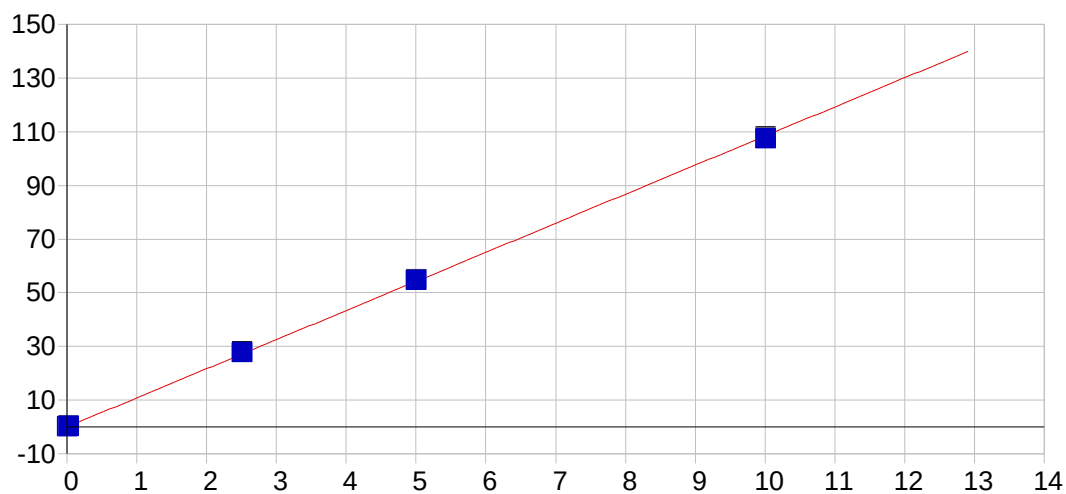
Status: Warning Zero Gain

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: 12/4/2018 15:59:29

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.003608

Re-Slope: 1.000000

A1 (Gain): 10.840089

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999925

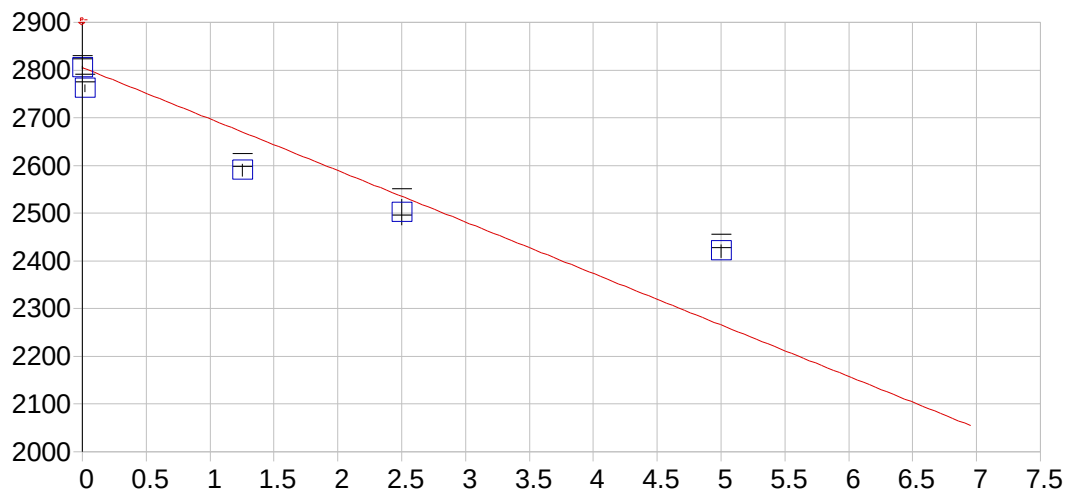
Status: OK.

Std Error of Est: 0.003204

Predicted MDL: 0.000125

Predicted MQL: 0.000417

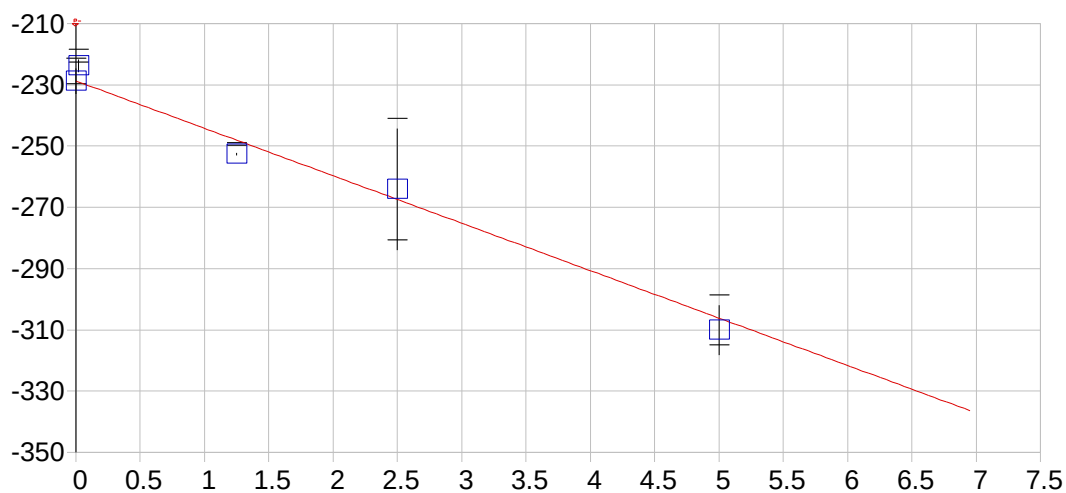
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00364 | .000    | 1        |
| S1        | .02000       | .02206      | .002       | 10.3    | .23676  | .001    | 1        |
| S3        | 2.5000       | 2.5567      | .057       | 2.27    | 27.741  | .086    | 1        |
| S4        | 5.0000       | 5.0350      | .035       | .699    | 54.636  | .242    | 1        |
| S5        | 10.000       | 9.9062      | -.094      | -.938   | 107.50  | .446    | 1        |



Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 2805.312983 Re-Slope: 1.000000  
A1 (Gain): -107.912084 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.720280 Status: Warning Negative Gain  
Std Error of Est: 1.775978  
Predicted MDL: n/a  
Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00039     | -.000      | .000    | 2805.4 | 3.41    | 1        |
| S1        | .02000       | .40033      | .380       | 1900.   | 2762.1 | 8.38    | 1        |
| S3        | 1.2500       | 1.9928      | .743       | 59.4    | 2590.3 | 13.4    | 1        |
| S4        | 2.5000       | 2.8138      | .314       | 12.6    | 2501.7 | 27.5    | 1        |
| S5        | 5.0000       | 3.5631      | -1.44      | -28.7   | 2420.8 | 14.0    | 1        |



U 385.958 { 87}

Date of Fit: 12/4/2018 15:59:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -228.720976 Re-Slope: 1.000000

A1 (Gain): -15.483161 Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.773659 Status: Warning Negative Gain

Std Error of Est: 0.216688

Predicted MDL: n/a

Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00034      | .000       | .000    | -228.73 | 4.18    | 1        |
| S1        | .02000       | -.31992     | -.340      | -1700.  | -223.77 | 2.14    | 1        |
| S3        | 1.2500       | 1.5402      | .290       | 23.2    | -252.57 | .456    | 1        |
| S4        | 2.5000       | 2.2887      | -.211      | -8.45   | -264.16 | 19.8    | 1        |
| S5        | 5.0000       | 5.2610      | .261       | 5.22    | -310.18 | 8.16    | 1        |

Sample Name: S0      Acquired: 12/4/2018 14:39:26      Type: Cal  
Method: P4-ICP2(v2628)      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    | -.00003 | -.00085 | .00322 | -.00013 | .00061 | -.00003 | .11301  | .00003  |
| Stddev | .00001  | .00009  | .00017 | .00008  | .00015 | .00002  | .00325  | .00002  |
| %RSD   | 41.742  | 10.621  | 5.3999 | 60.298  | 25.106 | 61.772  | 2.8751  | 57.463  |
| #1     | -.00003 | -.00078 | .00334 | -.00008 | .00072 | -.00002 | .11072  | .00004  |
| #2     | -.00002 | -.00091 | .00310 | -.00019 | .00050 | -.00004 | .11531  | .00002  |
| 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    | -.00083 | .00050  | .00005 | -.00032 | .00050 | .04020  | .00014  | -.00051 |
| Stddev | .00028  | .00049  | .00003 | .00013  | .00007 | .01178  | .00004  | .00006  |
| %RSD   | 33.315  | 98.187  | 55.135 | 41.698  | 14.459 | 29.317  | 27.637  | 12.262  |
| #1     | -.00063 | .00015  | .00007 | -.00022 | .00045 | .03186  | .00016  | -.00056 |
| #2     | -.00102 | .00085  | .00003 | -.00041 | .00055 | .04853  | .00011  | -.00047 |
| 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    | -.00771 | .00020  | .03244 | -.00009 | .26237 | -.01929 | .00040  | .00077  |
| Stddev | .00011  | .00008  | .00004 | .00005  | .01304 | .00209  | .00018  | .00037  |
| %RSD   | 1.4000  | 37.311  | .12052 | 55.327  | 4.9701 | 10.810  | 45.227  | 47.930  |
| #1     | -.00778 | .00015  | .03241 | -.00006 | .27159 | -.02076 | .00052  | .00103  |
| #2     | -.00763 | .00026  | .03246 | -.00013 | .25315 | -.01781 | .00027  | .00051  |
| 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    | .00019  | .01794  | .00085 | .00158  | .03486 | -.0032  | -.00364 | 2805.4  |
| Stddev | .00006  | .00067  | .00006 | .00038  | .00202 | .0001   | .00009  | 3.4     |
| %RSD   | 33.243  | 3.7101  | 6.7666 | 24.084  | 5.7890 | 2.103   | 2.3976  | .12148  |
| #1     | .00023  | .01841  | .00089 | .00185  | .03343 | -.0033  | -.00370 | 2802.9  |
| #2     | .00014  | .01747  | .00081 | .00131  | .03629 | -.0032  | -.00357 | 2807.8  |

Sample Name: S0      Acquired: 12/4/2018 14:39:26      Type: Cal  
Method: P4-ICP2(v2628)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -228.73 |
| Stddev | 4.18    |
| %RSD   | 1.8282  |

|    |         |
|----|---------|
| #1 | -225.77 |
| #2 | -231.68 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3809.7 | 65601. | 3967.0 | 91.321 | 4107.3 |
| Stddev    | 6.9    | 56.    | 16.4   | .678   | 17.6   |
| %RSD      | .18074 | .08535 | .41402 | .74205 | .42962 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3804.8 | 65561. | 3955.4 | 91.800 | 4094.8 |
| #2 | 3814.5 | 65640. | 3978.6 | 90.842 | 4119.8 |

Sample Name: S1      Acquired: 12/4/2018 14:43:29      Type: Cal  
Method: P4-ICP2(v2628)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00127 | .00723 | .00715 | .00134 | .00915  | .00061 | .62823 | .00531 |
| Stddev | .00008 | .00002 | .00050 | .00009 | .00011  | .00000 | .00399 | .00001 |
| %RSD   | 5.9563 | .30778 | 6.9856 | 6.6942 | 1.2155  | .15696 | .63500 | .18565 |
| #1     | .00132 | .00724 | .00751 | .00140 | .00923  | .00061 | .63105 | .00531 |
| #2     | .00122 | .00721 | .00680 | .00127 | .00908  | .00060 | .62541 | .00530 |
| 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    | .02076 | .00192 | .04096 | .01581 | .20118  | .02633 | .02268 | .00202 |
| Stddev | .00016 | .00004 | .00005 | .00010 | .03868  | .00006 | .00023 | .00002 |
| %RSD   | .77241 | 1.8850 | .12404 | .61907 | 19.227  | .21451 | 1.0262 | 1.0664 |
| #1     | .02065 | .00194 | .04092 | .01588 | .22853  | .02629 | .02251 | .00204 |
| #2     | .02088 | .00189 | .04100 | .01574 | .17383  | .02637 | .02284 | .00201 |
| 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    | .00591 | 5.3803 | .15100 | .00525 | .00094  | .21827 | .00941 | .01741 |
| Stddev | .00010 | .0894  | .00049 | .00028 | .00012  | .00107 | .00008 | .00022 |
| %RSD   | 1.6884 | 1.6610 | .32639 | 5.2681 | 13.126  | .48806 | .85202 | 1.2702 |
| #1     | .00584 | 5.4435 | .15135 | .00544 | .00085  | .21752 | .00947 | .01757 |
| #2     | .00598 | 5.3171 | .15065 | .00505 | .00103  | .21902 | .00936 | .01726 |
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |        |        |        |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |        |        |        |
| Avg    | .06846 | -.0011 | .23676 | 2762.1 | -223.77 |        |        |        |
| Stddev | .00397 | .0000  | .00091 | 8.4    | 2.14    |        |        |        |
| %RSD   | 5.7963 | 2.710  | .38347 | .30340 | .95566  |        |        |        |
| #1     | .06565 | -.0011 | .23740 | 2768.0 | -222.26 |        |        |        |
| #2     | .07126 | -.0011 | .23612 | 2756.2 | -225.28 |        |        |        |

Sample Name: S1      Acquired: 12/4/2018 14:43:29      Type: Cal  
Method: P4-ICP2(v2628)      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       | 3811.8 | 65231. | 4012.0 | 93.217 | 4065.1 |
| Stddev    | .7     | 28.    | 1.8    | 1.461  | 4.8    |
| %RSD      | .01791 | .04299 | .04558 | 1.5677 | .11719 |
| #1        | 3812.2 | 65211. | 4013.3 | 92.183 | 4061.8 |
| #2        | 3811.3 | 65250. | 4010.7 | 94.250 | 4068.5 |



Sample Name: S2      Acquired: 12/4/2018 14:47:31      Type: Cal  
Method: P4-ICP2(v2628)      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    | .10294 | .02397 | .65274 | .15856 |
| Stddev | .00027 | .00029 | .00679 | .00036 |
| %RSD   | .26051 | 1.2270 | 1.0402 | .22884 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .10275 | .02417 | .64794 | .15881 |
| #2 | .10313 | .02376 | .65754 | .15830 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 4050.1 |
| Stddev    | 19.0   |
| %RSD      | .46843 |

|    |        |
|----|--------|
| #1 | 4036.7 |
| #2 | 4063.6 |

Sample Name: S3      Acquired: 12/4/2018 14:51:28      Type: Cal  
Method: P4-ICP2(v2628)      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    | .15817 | .44122 | .79827 | .18807 | .38812 | .02683 | 23.445 | .10230 |
| Stddev | .00027 | .00092 | .00186 | .00030 | .00021 | .00016 | .102   | .00025 |
| %RSD   | .16849 | .20812 | .23271 | .15842 | .05477 | .59861 | .43649 | .24356 |
| #1     | .15798 | .44057 | .79695 | .18829 | .38797 | .02671 | 23.517 | .10212 |
| #2     | .15836 | .44187 | .79958 | .18786 | .38827 | .02694 | 23.373 | .10247 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 4.4868 | .59882 | .08666 | 1.5247 | .43819 | 4.1266 | 1.4189 | .14432 |
| Stddev | .0042  | .00123 | .00021 | .0015  | .00049 | .0490  | .0009  | .00040 |
| %RSD   | .09408 | .20560 | .24094 | .09556 | .11282 | 1.1871 | .06077 | .27554 |
| #1     | 4.4898 | .59795 | .08651 | 1.5257 | .43784 | 4.1612 | 1.4183 | .14404 |
| #2     | 4.4838 | .59969 | .08680 | 1.5236 | .43854 | 4.0919 | 1.4195 | .14460 |
| 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    | .84284 | .10853 | 3.7242 | .16543 | 143.61 | 1.0372 | 1.7785 | .11485 |
| Stddev | .00258 | .00057 | .0042  | .00001 | 3.22   | .0012  | .0056  | .00216 |
| %RSD   | .30626 | .52542 | .11144 | .00332 | 2.2419 | .11185 | .31441 | 1.8787 |
| #1     | .84466 | .10812 | 3.7271 | .16542 | 145.89 | 1.0364 | 1.7745 | .11332 |
| #2     | .84101 | .10893 | 3.7212 | .16543 | 141.34 | 1.0380 | 1.7825 | .11637 |
| 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    | .10528 | 1.2045 | .50981 | .88587 | 4.3378 | .2699  | 27.741 | 2590.3 |
| Stddev | .00050 | .0063  | .00037 | .00080 | .0138  | .0001  | .086   | 13.4   |
| %RSD   | .47633 | .52473 | .07217 | .08986 | .31907 | .0485  | .30932 | .51690 |
| #1     | .10564 | 1.2090 | .50955 | .88530 | 4.3476 | .2698  | 27.802 | 2599.7 |
| #2     | .10493 | 1.2000 | .51007 | .88643 | 4.3280 | .2700  | 27.680 | 2580.8 |

Sample Name: S3      Acquired: 12/4/2018 14:51:28      Type: Cal  
Method: P4-ICP2(v2628)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -252.57 |
| Stddev | .46     |
| %RSD   | .18048  |

|    |         |
|----|---------|
| #1 | -252.89 |
| #2 | -252.25 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3712.6 | 63090. | 3984.1 | 88.449 | 3724.1 |
| Stddev    | 1.2    | 185.   | .7     | 1.939  | 5.3    |
| %RSD      | .03103 | .29289 | .01861 | 2.1923 | .14142 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3713.5 | 63221. | 3983.6 | 87.078 | 3720.4 |
| #2 | 3711.8 | 62960. | 3984.6 | 89.820 | 3727.8 |

Sample Name: S4      Acquired: 12/4/2018 14:55:13      Type: Cal  
Method: P4-ICP2(v2628)      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    | .31536 | .87279 | 1.5925 | .37300 | .76855 | .05382 | 46.262 | .20191 |
| Stddev | .00014 | .00227 | .0018  | .00026 | .00150 | .00016 | .236   | .00014 |
| %RSD   | .04288 | .26016 | .11210 | .07061 | .19548 | .29438 | .51075 | .07030 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .31526 | .87118 | 1.5913 | .37281 | .76749 | .05393 | 46.095 | .20201 |
| #2 | .31546 | .87439 | 1.5938 | .37319 | .76962 | .05371 | 46.429 | .20181 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 9.0248 | 1.1685 | .16980 | 3.0592 | .85026 | 8.0543 | 2.7702 | .28403 |
| Stddev | .0151  | .0067  | .00015 | .0012  | .00026 | .0039  | .0021  | .00075 |
| %RSD   | .16718 | .57238 | .08899 | .03808 | .03095 | .04808 | .07476 | .26342 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.0141 | 1.1638 | .16991 | 3.0600 | .85045 | 8.0571 | 2.7688 | .28350 |
| #2 | 9.0355 | 1.1732 | .16970 | 3.0583 | .85007 | 8.0516 | 2.7717 | .28456 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.6780 | .21289 | 7.2931 | .32657 | 278.43 | 2.0619 | 3.5116 | .22548 |
| Stddev | .0001  | .00052 | .0289  | .00024 | .24    | .0112  | .0001  | .00088 |
| %RSD   | .00607 | .24515 | .39609 | .07417 | .08462 | .54268 | .00416 | .39014 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.6781 | .21326 | 7.2727 | .32640 | 278.59 | 2.0540 | 3.5115 | .22485 |
| #2 | 1.6780 | .21252 | 7.3135 | .32674 | 278.26 | 2.0699 | 3.5117 | .22610 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .21781 | 2.2952 | 1.0183 | 1.7520 | 8.4864 | .5555  | 54.636 | 2501.7 |
| Stddev | .00034 | .0154  | .0020  | .0034  | .0460  | .0003  | .242   | 27.5   |
| %RSD   | .15503 | .67239 | .19550 | .19569 | .54225 | .0588  | .44371 | 1.1003 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .21758 | 2.2842 | 1.0197 | 1.7496 | 8.4539 | .5553 | 54.464 | 2482.2 |
| #2 | .21805 | 2.3061 | 1.0168 | 1.7544 | 8.5189 | .5557 | 54.807 | 2521.1 |

Sample Name: S4      Acquired: 12/4/2018 14:55:13      Type: Cal  
Method: P4-ICP2(v2628)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -264.16 |
| Stddev | 19.81   |
| %RSD   | 7.4994  |

|    |         |
|----|---------|
| #1 | -250.15 |
| #2 | -278.17 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3628.6 | 61833. | 3983.9 | 88.023 | 3547.7 |
| Stddev    | .8     | 113.   | 13.6   | .112   | 4.4    |
| %RSD      | .02109 | .18310 | .34064 | .12778 | .12296 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3629.2 | 61753. | 3993.5 | 87.944 | 3550.8 |
| #2 | 3628.1 | 61913. | 3974.3 | 88.103 | 3544.6 |

Sample Name: S5      Acquired: 12/4/2018 14:59:00      Type: Cal  
Method: P4-ICP2(v2628)      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    | .63518 | 1.7515 | 3.2498 | .74524 | 1.5428 | .10939 | 91.290 | .40394 |
| Stddev | .00229 | .0049  | .0095  | .00296 | .0061  | .00032 | .959   | .00086 |
| %RSD   | .36109 | .27753 | .29187 | .39662 | .39464 | .29613 | 1.0500 | .21405 |
| #1     | .63355 | 1.7481 | 3.2431 | .74315 | 1.5385 | .10916 | 91.967 | .40455 |
| #2     | .63680 | 1.7550 | 3.2565 | .74733 | 1.5471 | .10961 | 90.612 | .40333 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 18.525 | 2.3307 | .33776 | 6.3098 | 1.6714 | 16.349 | 5.4182 | .56591 |
| Stddev | .046   | .0047  | .00041 | .0145  | .0075  | .374   | .0268  | .00063 |
| %RSD   | .25080 | .20194 | .12175 | .22980 | .45042 | 2.2884 | .49510 | .11143 |
| #1     | 18.492 | 2.3274 | .33747 | 6.2996 | 1.6661 | 16.084 | 5.3993 | .56635 |
| #2     | 18.558 | 2.3341 | .33805 | 6.3201 | 1.6767 | 16.613 | 5.4372 | .56546 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 3.4433 | .42771 | 14.612 | .66192 | 555.13 | 4.1345 | 6.9873 | .45010 |
| Stddev | .0029  | .00101 | .072   | .00053 | 11.21  | .0229  | .0361  | .00594 |
| %RSD   | .08433 | .23531 | .49550 | .07956 | 2.0185 | .55448 | .51642 | 1.3189 |
| #1     | 3.4412 | .42700 | 14.561 | .66155 | 547.20 | 4.1183 | 6.9618 | .44590 |
| #2     | 3.4453 | .42842 | 14.663 | .66230 | 563.05 | 4.1508 | 7.0128 | .45429 |
| 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    | .46000 | 4.5717 | 2.0880 | 3.4867 | 16.858 | 1.164  | 107.50 | 2420.8 |
| Stddev | .00167 | .0278  | .0030  | .0229  | .119   | .000   | .45    | 14.0   |
| %RSD   | .36260 | .60743 | .14248 | .65611 | .70849 | .0246  | .41534 | .58033 |
| #1     | .45882 | 4.5521 | 2.0859 | 3.4705 | 16.774 | 1.164  | 107.82 | 2430.7 |
| #2     | .46118 | 4.5914 | 2.0901 | 3.5029 | 16.943 | 1.164  | 107.18 | 2410.9 |

Sample Name: S5      Acquired: 12/4/2018 14:59:00      Type: Cal  
Method: P4-ICP2(v2628)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -310.18 |
| Stddev | 8.16    |
| %RSD   | 2.6316  |

|    |         |
|----|---------|
| #1 | -304.41 |
| #2 | -315.95 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3533.9 | 60384. | 3956.0 | 85.447 | 3317.6 |
| Stddev    | 13.3   | 39.    | 12.5   | 1.718  | 5.9    |
| %RSD      | .37651 | .06485 | .31538 | 2.0101 | .17776 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3543.3 | 60356. | 3964.8 | 86.662 | 3321.8 |
| #2 | 3524.5 | 60411. | 3947.1 | 84.233 | 3313.5 |

Sample Name: ICV01      Acquired: 12/4/2018 15:09:47      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0092 | 1.0342 | .99204 | 1.0116 | 1.0001 | 2.4937 | .50942 |
| Stddev | .0043  | .0028  | .00813 | .0065  | .0073  | .0100  | .00183 |
| %RSD   | .42661 | .26980 | .81952 | .64594 | .72994 | .39921 | .36016 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0061 | 1.0323 | .98630 | 1.0069 | .99493 | 2.4866 | .51072 |
| #2 | 1.0122 | 1.0362 | .99779 | 1.0162 | 1.0052 | 2.5007 | .50813 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .48416 | .48016 | 10.276 | .50238 | .49611 | .51506 | 5.0249 |
| Stddev | .00057 | .00297 | .014   | .00251 | .00437 | .00192 | .0277  |
| %RSD   | .11817 | .61810 | .13436 | .49926 | .88103 | .37334 | .55027 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .48376 | .47806 | 10.286 | .50415 | .49302 | .51370 | 5.0053 |
| #2 | .48457 | .48226 | 10.266 | .50060 | .49920 | .51641 | 5.0444 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51621 | 6.0728 | .49800 | .49570 | 10.096 | .49711 | 1.0331 |
| Stddev | .00064 | .0526  | .00301 | .00009 | .082   | .00057 | .0125  |
| %RSD   | .12372 | .86653 | .60447 | .01827 | .81460 | .11423 | 1.2071 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .51667 | 6.1101 | .49587 | .49576 | 10.154 | .49751 | 1.0243 |
| #2 | .51576 | 6.0356 | .50013 | .49563 | 10.038 | .49671 | 1.0419 |

|        |        |          |          |        |          |          |          |
|--------|--------|----------|----------|--------|----------|----------|----------|
| Elem   | K_7664 | Mo2020   | B_2496   | S_1820 | Si2881   | Sn1899   | Ti3361   |
| Units  | ppm    | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      |
| Avg    | 10.155 | F 2.3590 | F 2.2939 | 2.5165 | F 2.2577 | F 2.2322 | F 2.3223 |
| Stddev | .030   | .0120    | .0145    | .0180  | .0024    | .0268    | .0098    |
| %RSD   | .29637 | .50763   | .63321   | .71373 | .10824   | 1.1987   | .42338   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.134 | 2.3506 | 2.3042 | 2.5038 | 2.2595 | 2.2133 | 2.3293 |
| #2 | 10.177 | 2.3675 | 2.2837 | 2.5292 | 2.2560 | 2.2512 | 2.3154 |



Sample Name: ICV01      Acquired: 12/4/2018 15:09:47      Type: Unk  
 Method: P4-ICP2(v2628)      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 -.00117 | F .0020 | F .00666 | F .75765 | F 2.2985 |
| Stddev | .00008    | .0009   | .00002   | .04936   | .6320    |
| %RSD   | 7.0471    | 45.88   | .24023   | 6.5148   | 27.497   |

|    |         |       |        |        |        |
|----|---------|-------|--------|--------|--------|
| #1 | -.00123 | .0014 | .00667 | .79256 | 2.7454 |
| #2 | -.00111 | .0027 | .00665 | .72275 | 1.8516 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3743.8 | 65139. | 4069.7 | 91.180 | 3863.9 |
| Stddev    | 5.8    | 130.   | 19.9   | .796   | 8.8    |
| %RSD      | .15506 | .19946 | .48952 | .87319 | .22846 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3739.7 | 65047. | 4055.6 | 91.743 | 3870.1 |
| #2 | 3747.9 | 65231. | 4083.7 | 90.617 | 3857.6 |

Sample Name: LLICV01      Acquired: 12/4/2018 15:17:40      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02018 | .04510 | .01290 | .02318 | .05712 | .10582 | .10951 |
| Stddev | .00212 | .00123 | .00009 | .00269 | .00076 | .00528 | .00026 |
| %RSD   | 10.493 | 2.7253 | .73124 | 11.589 | 1.3302 | 4.9935 | .23928 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02168 | .04597 | .01297 | .02128 | .05765 | .10208 | .10970 |
| #2 | .01868 | .04423 | .01284 | .02508 | .05658 | .10956 | .10933 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00641 | .00588 | 2.1587 | .01063 | .03316 | .01985 | .10974 |
| Stddev | .00002 | .00005 | .0021  | .00022 | .00015 | .00002 | .01461 |
| %RSD   | .37523 | .81829 | .09827 | 2.1080 | .44104 | .09836 | 13.311 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00643 | .00584 | 2.1602 | .01047 | .03327 | .01984 | .09941 |
| #2 | .00639 | .00591 | 2.1572 | .01079 | .03306 | .01986 | .12007 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02326 | 2.2349 | .04397 | .01040 | 2.1671 | .04558 | .04552 |
| Stddev | .00010 | .0705  | .00042 | .00054 | .0070  | .00071 | .00024 |
| %RSD   | .41284 | 3.1562 | .94561 | 5.2175 | .32185 | 1.5503 | .53558 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02332 | 2.1850 | .04426 | .01078 | 2.1622 | .04608 | .04535 |
| #2 | .02319 | 2.2848 | .04367 | .01001 | 2.1721 | .04508 | .04570 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.1362 | .21473 | .10036 | .01603 | .43186 | .04185 | .04684 |
| Stddev | .0429  | .00050 | .00918 | .00351 | .00192 | .00023 | .00216 |
| %RSD   | 2.0089 | .23189 | 9.1470 | 21.899 | .44493 | .56086 | 4.6079 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.1665 | .21508 | .09387 | .01852 | .43050 | .04202 | .04532 |
| #2 | 2.1058 | .21437 | .10685 | .01355 | .43322 | .04169 | .04837 |

Sample Name: LLICV01      Acquired: 12/4/2018 15:17:40      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .01850 | .0190  | .02176 | F<.00000 | F .10283 |
| Stddev | .00032 | .0025  | .00011 | .49806   | .11990   |
| %RSD   | 1.7434 | 13.13  | .51467 | 80.550   | 116.60   |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | .01873 | .0173 | .02168 | -.26614 | .18761 |
| #2 | .01827 | .0208 | .02184 | -.97049 | .01805 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3816.1 | 66800. | 4087.0 | 94.317 | 4082.3 |
| Stddev    | 7.8    | 346.   | 8.3    | .130   | 9.8    |
| %RSD      | .20483 | .51759 | .20314 | .13745 | .24035 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3810.6 | 66555. | 4092.8 | 94.408 | 4075.4 |
| #2 | 3821.6 | 67044. | 4081.1 | 94.225 | 4089.2 |

Sample Name: ICB01      Acquired: 12/4/2018 15:21:43      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |        |         |         |
|--------|---------|---------|---------|--------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.00144 | -.00025 | -.00107 | .00010 | .00038 | -.01253 | -.00052 |
| Stddev | .00102  | .00035  | .00075  | .00224 | .00052 | .01077  | .00024  |
| %RSD   | 71.016  | 142.53  | 69.624  | 2355.0 | 136.41 | 85.956  | 46.348  |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.00216 | .00000  | -.00054 | -.00149 | .00001 | -.02015 | -.00035 |
| #2 | -.00072 | -.00050 | -.00160 | .00168  | .00074 | -.00492 | -.00069 |

|        |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00002 | -.00002 | -.00299 | -.00033 | -.00002 | -.00033 | .00285 |
| Stddev | .00000  | .00008  | .00880  | .00014  | .00006  | .00013  | .00032 |
| %RSD   | 16.913  | 511.53  | 294.14  | 42.618  | 239.02  | 39.298  | 11.132 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00002 | -.00007 | -.00921 | -.00023 | -.00006 | -.00024 | .00307 |
| #2 | -.00002 | .00004  | .00323  | -.00043 | .00002  | -.00042 | .00262 |

|        |         |        |        |         |         |        |         |
|--------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00005 | .02626 | .00054 | -.00002 | -.03492 | .00032 | -.00059 |
| Stddev | .00006  | .01958 | .00020 | .00051  | .00190  | .00040 | .00000  |
| %RSD   | 124.67  | 74.555 | 37.310 | 2325.5  | 5.4338  | 124.54 | .51817  |

|    |         |        |        |         |         |        |         |
|----|---------|--------|--------|---------|---------|--------|---------|
| #1 | -.00001 | .01242 | .00040 | -.00038 | -.03358 | .00061 | -.00058 |
| #2 | -.00010 | .04010 | .00068 | .00034  | -.03627 | .00004 | -.00059 |

|        |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.03638 | -.00004 | -.01026 | -.00185 | -.00215 | -.00094 | .00198 |
| Stddev | .01658  | .00007  | .00104  | .00026  | .00113  | .00058  | .00142 |
| %RSD   | 45.559  | 174.33  | 10.184  | 13.824  | 52.566  | 61.612  | 72.072 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.02466 | -.00009 | -.01099 | -.00203 | -.00295 | -.00053 | .00298 |
| #2 | -.04810 | .00001  | -.00952 | -.00167 | -.00135 | -.00135 | .00097 |

Sample Name: ICB01      Acquired: 12/4/2018 15:21:43      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
 Comment:

|           |         |        |        |          |          |
|-----------|---------|--------|--------|----------|----------|
| Elem      | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg       | -.00385 | .0000  | .00010 | F<.00000 | F<.00000 |
| Stddev    | .00092  | .0010  | .00011 | .35780   | .28850   |
| %RSD      | 23.900  | 3472.  | 110.91 | 29.121   | 136.92   |
| #1        | -.00320 | .0007  | .00018 | -.97564  | -.00671  |
| #2        | -.00450 | -.0007 | .00002 | -1.4816  | -.41472  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3867.0  | 67287. | 4031.9 | 92.883   | 4180.1   |
| Stddev    | 7.0     | 862.   | 30.0   | 1.579    | 6.0      |
| %RSD      | .18193  | 1.2810 | .74321 | 1.7002   | .14467   |
| #1        | 3862.0  | 66677. | 4010.7 | 91.767   | 4175.8   |
| #2        | 3872.0  | 67896. | 4053.1 | 94.000   | 4184.3   |

Sample Name: CRI01      Acquired: 12/4/2018 15:25:47      Type: Unk  
Method: P4-ICP2(v2628)      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 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01985 | .04553 | .01224 | .02196 | .05631 | .10566 | .11080 |
| Stddev | .00315 | .00002 | .00037 | .00146 | .00047 | .00605 | .00107 |
| %RSD   | 15.881 | .04907 | 3.0348 | 6.6495 | .83738 | 5.7237 | .96782 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02208 | .04552 | .01250 | .02093 | .05664 | .10993 | .11156 |
| #2 | .01762 | .04555 | .01197 | .02299 | .05597 | .10138 | .11004 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00630 | .00591 | 2.1467 | .01039 | .03347 | .01980 | .10512 |
| Stddev | .00000 | .00006 | .0125  | .00052 | .00034 | .00024 | .00497 |
| %RSD   | .04779 | 1.0796 | .58047 | 5.0423 | 1.0302 | 1.2175 | 4.7241 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00630 | .00587 | 2.1379 | .01002 | .03323 | .01963 | .10161 |
| #2 | .00630 | .00596 | 2.1555 | .01076 | .03372 | .01997 | .10863 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02304 | 2.3010 | .04437 | .01071 | 2.1541 | .04442 | .04642 |
| Stddev | .00009 | .0312  | .00016 | .00007 | .0141  | .00019 | .00119 |
| %RSD   | .39798 | 1.3544 | .35368 | .63141 | .65272 | .43736 | 2.5573 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02310 | 2.2789 | .04426 | .01075 | 2.1640 | .04456 | .04726 |
| #2 | .02297 | 2.3230 | .04448 | .01066 | 2.1441 | .04428 | .04558 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.1478 | .21687 | .09604 | .01564 | .43122 | .04134 | .04523 |
| Stddev | .0175  | .00109 | .00646 | .00581 | .00231 | .00024 | .00148 |
| %RSD   | .81550 | .50032 | 6.7225 | 37.162 | .53559 | .57428 | 3.2618 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.1354 | .21610 | .09147 | .01153 | .43285 | .04117 | .04419 |
| #2 | 2.1602 | .21764 | .10060 | .01975 | .42958 | .04151 | .04628 |

Sample Name: CRI01      Acquired: 12/4/2018 15:25:47      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .01780 | .0175  | .02177 | F<.00000 | F<.00000 |
| Stddev    | .00098 | .0006  | .00008 | .40101   | .24717   |
| %RSD      | 5.5286 | 3.490  | .36584 | 33.101   | 354.39   |
| #1        | .01850 | .0171  | .02172 | -.92790  | -.24452  |
| #2        | .01710 | .0179  | .02183 | -1.4950  | .10503   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3785.2 | 67037. | 4056.4 | 92.279   | 4063.0   |
| Stddev    | 14.1   | 311.   | 32.1   | 2.434    | 17.8     |
| %RSD      | .37336 | .46415 | .79068 | 2.6372   | .43724   |
| #1        | 3775.2 | 66817. | 4033.8 | 90.558   | 4050.5   |
| #2        | 3795.2 | 67257. | 4079.1 | 94.000   | 4075.6   |

Sample Name: ICSA01      Acquired: 12/4/2018 15:29:50      Type: Unk  
 Method: P4-ICP2(v2628)      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    | -.00136 | -.00345 | .00400 | .01477 | .00830 | 278.76 | .01391 |
| Stddev | .00033  | .00030  | .00070 | .00152 | .00290 | .51    | .00044 |
| %RSD   | 23.946  | 8.8107  | 17.519 | 10.276 | 34.988 | .18473 | 3.1646 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00159 | -.00324 | .00351 | .01584 | .01036 | 279.12 | .01422 |
| #2 | -.00113 | -.00367 | .00450 | .01369 | .00625 | 278.40 | .01360 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00052 | .00126 | 253.61 | .05742 | .00166 | -.00525 | 102.90 |
| Stddev | .00000 | .00007 | .81    | .00016 | .00002 | .00052  | .24    |
| %RSD   | .73035 | 5.6303 | .32049 | .27112 | 1.3820 | 9.8949  | .22979 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00052 | .00131 | 254.19 | .05731 | .00164 | -.00562 | 102.73 |
| #2 | .00052 | .00121 | 253.04 | .05753 | .00168 | -.00488 | 103.07 |

|        |        |        |         |         |        |        |         |
|--------|--------|--------|---------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .01326 | 268.18 | -.01036 | -.00257 | 1.8547 | .00434 | -.00559 |
| Stddev | .00005 | .67    | .00016  | .00048  | .0104  | .00041 | .00000  |
| %RSD   | .40145 | .25131 | 1.5272  | 18.576  | .56172 | 9.5276 | .04616  |

|    |        |        |         |         |        |        |         |
|----|--------|--------|---------|---------|--------|--------|---------|
| #1 | .01322 | 268.66 | -.01047 | -.00290 | 1.8474 | .00405 | -.00559 |
| #2 | .01329 | 267.71 | -.01025 | -.00223 | 1.8621 | .00463 | -.00559 |

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881  | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .80148 | .00407 | .04677 | .01265 | -.00638 | .00495 | .00430 |
| Stddev | .00561 | .00059 | .00245 | .00023 | .00564  | .00071 | .00188 |
| %RSD   | .69956 | 14.458 | 5.2346 | 1.7954 | 88.419  | 14.295 | 43.634 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .80545 | .00449 | .04851 | .01281 | -.00239 | .00545 | .00298 |
| #2 | .79752 | .00366 | .04504 | .01249 | -.01037 | .00445 | .00563 |



Sample Name: ICSA01      Acquired: 12/4/2018 15:29:50      Type: Unk  
 Method: P4-ICP2(v2628)      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    | .01232 | .0059  | .00084 | F 3.2467 | F<.00000 |
| Stddev | .00194 | .0002  | .00008 | .1049    | .70183   |
| %RSD   | 15.768 | 3.282  | 9.6927 | 3.2304   | 13.394   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .01369 | .0057 | .00079 | 3.3209 | -5.7361 |
| #2 | .01094 | .0060 | .00090 | 3.1726 | -4.7436 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3397.6 | 58775. | 3957.1 | 83.879 | 3201.3 |
| Stddev    | .2     | 155.   | 13.3   | .206   | 4.7    |
| %RSD      | .00607 | .26297 | .33705 | .24617 | .14564 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3397.7 | 58665. | 3947.6 | 84.025 | 3198.0 |
| #2 | 3397.4 | 58884. | 3966.5 | 83.733 | 3204.6 |

Sample Name: ICSAB01      Acquired: 12/4/2018 15:33:56      Type: Unk  
Method: P4-ICP2(v2628)      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    | .10601 | .10223 | .05469 | .06071 | .67622 | 283.61 | .57566 |
| Stddev | .00092 | .00047 | .00186 | .00204 | .00028 | .34    | .00527 |
| %RSD   | .86403 | .46082 | 3.3954 | 3.3582 | .04097 | .11914 | .91536 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .10666 | .10189 | .05338 | .05927 | .67603 | 283.85 | .57938 |
| #2 | .10536 | .10256 | .05601 | .06216 | .67642 | 283.38 | .57193 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .58964 | 1.0869 | 258.23 | .60563 | .54987 | .52131 | 105.86 |
| Stddev | .00009 | .0034  | .86    | .00026 | .00039 | .00221 | .80    |
| %RSD   | .01532 | .31701 | .33456 | .04346 | .07085 | .42454 | .75745 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .58958 | 1.0894 | 258.85 | .60544 | .55015 | .51975 | 106.43 |
| #2 | .58971 | 1.0845 | 257.62 | .60581 | .54959 | .52288 | 105.30 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .56957 | 273.66 | 1.0631 | .23198 | .05572 | .55550 | 1.1396 |
| Stddev | .00028 | .54    | .0004  | .00001 | .00079 | .00275 | .0133  |
| %RSD   | .04937 | .19829 | .03266 | .00534 | 1.4092 | .49482 | 1.1666 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .56937 | 274.04 | 1.0633 | .23197 | .05516 | .55356 | 1.1490 |
| #2 | .56977 | 273.27 | 1.0628 | .23199 | .05627 | .55745 | 1.1302 |

|        |        |          |          |          |        |          |          |
|--------|--------|----------|----------|----------|--------|----------|----------|
| Elem   | K_7664 | Mo2020   | B_2496   | S_1820   | Si2881 | Sn1899   | Ti3361   |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      |
| Avg    | .09440 | F .42374 | F .46452 | F .67305 | .37241 | F .42066 | F .41852 |
| Stddev | .02216 | .00012   | .00201   | .00338   | .00549 | .00062   | .00145   |
| %RSD   | 23.477 | .02870   | .43324   | .50270   | 1.4730 | .14632   | .34529   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .11007 | .42365 | .46309 | .67545 | .37629 | .42022 | .41750 |
| #2 | .07873 | .42382 | .46594 | .67066 | .36853 | .42110 | .41955 |

Sample Name: ICSAB01      Acquired: 12/4/2018 15:33:56      Type: Unk  
 Method: P4-ICP2(v2628)      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 .59680 | F .6192 | F .52902 | F 3.9820 | F<.00000 |
| Stddev | .00044   | .0001   | .00197   | .1636    | .21181   |
| %RSD   | .07329   | .0093   | .37226   | 4.1077   | 3.1611   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .59649 | .6192 | .53041 | 4.0977 | -6.8505 |
| #2 | .59711 | .6192 | .52762 | 3.8663 | -6.5509 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3365.0 | 58333. | 3918.0 | 82.264 | 3164.1 |
| Stddev    | 4.0    | 77.    | 23.2   | .842   | 9.0    |
| %RSD      | .11906 | .13143 | .59179 | 1.0235 | .28379 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3367.8 | 58279. | 3901.6 | 81.669 | 3157.7 |
| #2 | 3362.2 | 58387. | 3934.4 | 82.860 | 3170.4 |

Sample Name: CCV01      Acquired: 12/4/2018 15:37:53      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9490 | 4.8839 | 4.8985 | 4.9110 | 4.9493 | 9.5356 | 9.9327 | .24321   |
| Stddev | .0021  | .0018  | .0061  | .0005  | .0043  | .0168  | .0073  | .00038   |
| %RSD   | .04204 | .03579 | .12442 | .00974 | .08715 | .17663 | .07326 | .15589   |
| #1     | 4.9475 | 4.8827 | 4.8942 | 4.9107 | 4.9462 | 9.5476 | 9.9378 | .24294   |
| #2     | 4.9505 | 4.8852 | 4.9028 | 4.9113 | 4.9523 | 9.5237 | 9.9275 | .24348   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4255 | 24.407 | .96336 | 2.4353 | 1.2222 | 4.8904 | 2.4533 | 24.641   |
| Stddev | .0057  | .060   | .00391 | .0061  | .0024  | .1020  | .0106  | .259     |
| %RSD   | .23481 | .24701 | .40628 | .25051 | .19625 | 2.0862 | .43271 | 1.0516   |
| #1     | 2.4215 | 24.364 | .96059 | 2.4309 | 1.2205 | 4.9625 | 2.4458 | 24.457   |
| #2     | 2.4295 | 24.450 | .96613 | 2.4396 | 1.2239 | 4.8182 | 2.4608 | 24.824   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4138 | 1.2090 | 24.429 | 2.4214 | 2.5197 | 24.565 | 4.9829 | 4.8408   |
| Stddev | .0100  | .0056  | .098   | .0294  | .0395  | .038   | .0004  | .0179    |
| %RSD   | .41317 | .46200 | .40294 | 1.2122 | 1.5694 | .15515 | .00847 | .36916   |
| #1     | 2.4067 | 1.2050 | 24.359 | 2.4006 | 2.5476 | 24.592 | 4.9832 | 4.8534   |
| #2     | 2.4208 | 1.2129 | 24.498 | 2.4421 | 2.4917 | 24.538 | 4.9826 | 4.8281   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9725 | 4.8700 | 4.8677 | 4.9362 | 4.9215 | 4.815  | 4.9593 | F 1.6944 |
| Stddev | .0004  | .0417  | .0068  | .0153  | .0053  | .008   | .0112  | .4927    |
| %RSD   | .00849 | .85554 | .13951 | .30887 | .10694 | .1709  | .22583 | 29.077   |
| #1     | 4.9728 | 4.8406 | 4.8629 | 4.9255 | 4.9177 | 4.809  | 4.9514 | 1.3460   |
| #2     | 4.9722 | 4.8995 | 4.8725 | 4.9470 | 4.9252 | 4.821  | 4.9672 | 2.0428   |

Sample Name: CCV01      Acquired: 12/4/2018 15:37:53      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.6144  
Stddev      .4937  
%RSD      18.886

#1      2.2653  
#2      2.9635

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3644.1 | 63424. | 4002.9 | 87.554 | 3580.3 |
| Stddev    | 1.3    | 416.   | 35.3   | 1.506  | 4.0    |
| %RSD      | .03515 | .65593 | .88142 | 1.7197 | .11299 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3643.2 | 63718. | 4027.9 | 86.489 | 3583.2 |
| #2 | 3645.0 | 63129. | 3978.0 | 88.619 | 3577.5 |

Sample Name: LLCCV01      Acquired: 12/4/2018 15:41:39      Type: Unk  
Method: P4-ICP2(v2628)      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    | .01920 | .04205 | .01168 | .02026 | .05290 | .09063 | .10150 | .00582   |
| Stddev | .00069 | .00063 | .00103 | .00050 | .00045 | .00871 | .00096 | .00001   |
| %RSD   | 3.5995 | 1.5025 | 8.8572 | 2.4658 | .85002 | 9.6153 | .94436 | .25215   |
| #1     | .01969 | .04250 | .01241 | .01991 | .05322 | .09679 | .10082 | .00581   |
| #2     | .01871 | .04161 | .01095 | .02062 | .05258 | .08447 | .10217 | .00583   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00542 | 1.9951 | .00995 | .03095 | .01805 | .09257 | .02130 | 2.1194   |
| Stddev | .00007 | .0293  | .00082 | .00049 | .00045 | .00964 | .00001 | .0198    |
| %RSD   | 1.3392 | 1.4659 | 8.2839 | 1.5687 | 2.4973 | 10.409 | .03890 | .93218   |
| #1     | .00547 | 2.0158 | .00937 | .03060 | .01774 | .08575 | .02129 | 2.1334   |
| #2     | .00537 | 1.9745 | .01054 | .03129 | .01837 | .09938 | .02131 | 2.1054   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04095 | .00964 | 1.9877 | .04185 | .04379 | 1.9678 | .19990 | .08659   |
| Stddev | .00043 | .00042 | .0116  | .00023 | .00002 | .0211  | .00008 | .00516   |
| %RSD   | 1.0575 | 4.3333 | .58128 | .55441 | .05583 | 1.0718 | .04236 | 5.9644   |
| #1     | .04064 | .00934 | 1.9795 | .04169 | .04381 | 1.9827 | .19984 | .09025   |
| #2     | .04125 | .00993 | 1.9959 | .04202 | .04378 | 1.9529 | .19996 | .08294   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02343 | .39139 | .03836 | .04098 | .01761 | .0190  | .02018 | F .15425 |
| Stddev | .00228 | .00005 | .00073 | .00003 | .00010 | .0004  | .00008 | .11240   |
| %RSD   | 9.7147 | .01386 | 1.9014 | .08353 | .55647 | 2.114  | .39919 | 72.864   |
| #1     | .02182 | .39143 | .03785 | .04096 | .01767 | .0187  | .02024 | .23373   |
| #2     | .02504 | .39135 | .03888 | .04101 | .01754 | .0193  | .02013 | .07478   |

Sample Name: LLCCV01      Acquired: 12/4/2018 15:41:39      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .17053 |
| Stddev | .24675   |
| %RSD   | 144.70   |

|    |         |
|----|---------|
| #1 | -.00395 |
| #2 | .34501  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3801.6 | 66470. | 4096.0 | 92.596 | 4073.8 |
| Stddev    | 7.7    | 240.   | 11.7   | .100   | 7.1    |
| %RSD      | .20166 | .36087 | .28540 | .10818 | .17494 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3796.2 | 66300. | 4087.7 | 92.667 | 4068.8 |
| #2 | 3807.0 | 66640. | 4104.3 | 92.525 | 4078.8 |

Sample Name: CCB01      Acquired: 12/4/2018 15:45:43      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |         |         |         |
|--------|---------|--------|---------|--------|---------|---------|---------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00046 | .00002 | -.00095 | .00139 | -.00125 | -.00183 | -.00067 |
| Stddev | .00057  | .00077 | .00055  | .00018 | .00076  | .00934  | .00095  |
| %RSD   | 124.03  | 4925.8 | 57.809  | 12.699 | 61.092  | 510.28  | 142.82  |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00006 | .00056  | -.00133 | .00151 | -.00071 | .00477  | -.00134 |
| #2 | -.00087 | -.00053 | -.00056 | .00126 | -.00179 | -.00844 | .00001  |

|        |         |         |        |         |         |         |        |
|--------|---------|---------|--------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00008 | -.00005 | .00508 | -.00008 | -.00003 | -.00004 | .00063 |
| Stddev | .00002  | .00005  | .00813 | .00040  | .00005  | .00001  | .00349 |
| %RSD   | 23.634  | 104.80  | 159.87 | 483.64  | 159.60  | 12.789  | 558.12 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00010 | -.00009 | -.00066 | -.00036 | .00000  | -.00004 | .00310  |
| #2 | -.00007 | -.00001 | .01083  | .00020  | -.00007 | -.00005 | -.00184 |

|        |         |        |        |         |         |         |         |
|--------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00002 | .01577 | .00075 | -.00012 | -.03843 | -.00002 | -.00062 |
| Stddev | .00003  | .01734 | .00040 | .00012  | .00377  | .00013  | .00004  |
| %RSD   | 150.07  | 109.93 | 53.526 | 102.78  | 9.8181  | 703.37  | 6.6030  |

|    |         |        |        |         |         |         |         |
|----|---------|--------|--------|---------|---------|---------|---------|
| #1 | .00000  | .02803 | .00046 | -.00003 | -.04109 | -.00011 | -.00065 |
| #2 | -.00004 | .00351 | .00103 | -.00021 | -.03576 | .00007  | -.00059 |

|        |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.03827 | -.00027 | -.01381 | -.00361 | -.00219 | -.00175 | .00048 |
| Stddev | .04977  | .00015  | .00041  | .00095  | .00026  | .00056  | .00041 |
| %RSD   | 130.05  | 54.235  | 3.0003  | 26.431  | 11.858  | 32.100  | 85.667 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.07346 | -.00017 | -.01351 | -.00293 | -.00201 | -.00215 | .00077 |
| #2 | -.00308 | -.00038 | -.01410 | -.00428 | -.00238 | -.00136 | .00019 |



Sample Name: CCB01      Acquired: 12/4/2018 15:45:43      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00305 | -.0002 | .00006 | F<.00000 | F<.00000 |
| Stddev | .00086  | .0005  | .00006 | .12725   | .59318   |
| %RSD   | 28.201  | 197.2  | 93.327 | 17.578   | 88.994   |

|    |         |        |        |         |         |
|----|---------|--------|--------|---------|---------|
| #1 | -.00366 | .0001  | .00002 | -.63394 | -1.0860 |
| #2 | -.00244 | -.0006 | .00010 | -.81390 | -.24709 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3797.6 | 67260. | 4099.7 | 92.775 | 4122.3 |
| Stddev    | .0     | 104.   | 10.6   | 1.544  | 6.1    |
| %RSD      | .00039 | .15429 | .25864 | 1.6641 | .14896 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3797.6 | 67187. | 4107.2 | 91.683 | 4118.0 |
| #2 | 3797.6 | 67334. | 4092.2 | 93.867 | 4126.6 |

Sample Name: LR CHECK 1      Acquired: 12/4/2018 15:48:53      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.04258 | -.06895 | -.04199 | .07505  | .04732  | F 2014.7 | .01045  | .00412 |
| Stddev | .01300  | .00272  | .00230  | .01496  | .00155  | 7.1      | .00041  | .00024 |
| %RSD   | 30.530  | 3.9376  | 5.4760  | 19.927  | 3.2786  | .35140   | 3.9562  | 5.7587 |
| #1     | -.03339 | -.07087 | -.04362 | .06448  | .04842  | 2019.7   | .01074  | .00429 |
| #2     | -.05177 | -.06703 | -.04036 | .08563  | .04622  | 2009.7   | .01016  | .00395 |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404   | Mn2576  | Mg2790 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     | ppm    |
| Avg    | .01642  | 1664.5  | .11553  | .04497  | -.06378 | 896.71   | -.01097 | 1767.7 |
| Stddev | .00137  | 3.5     | .00127  | .00008  | .00130  | 10.36    | .00025  | 1.1    |
| %RSD   | 8.3258  | .21154  | 1.1032  | .17091  | 2.0437  | 1.1558   | 2.2778  | .06307 |
| #1     | .01546  | 1667.0  | .11462  | .04492  | -.06470 | 904.04   | -.01080 | 1768.5 |
| #2     | .01739  | 1662.0  | .11643  | .04503  | -.06286 | 889.39   | -.01115 | 1766.9 |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664   | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     | ppm    |
| Avg    | .06216  | -.03461 | 1677.2  | .01629  | .10690  | 935.70   | .02744  | .50797 |
| Stddev | .00234  | .00230  | 19.7    | .00010  | .00126  | 1.52     | .00034  | .00354 |
| %RSD   | 3.7719  | 6.6478  | 1.1732  | .59778  | 1.1754  | .16242   | 1.2522  | .69635 |
| #1     | .06050  | -.03298 | 1691.1  | .01622  | .10601  | 934.62   | .02720  | .51047 |
| #2     | .06382  | -.03623 | 1663.2  | .01636  | .10779  | 936.77   | .02768  | .50546 |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774   | Sr4077  | U_3670 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     | ppm    |
| Avg    | .44778  | .06494  | .03191  | -.03836 | .07473  | .0586    | -.96642 | 9.5060 |
| Stddev | .00045  | .00113  | .00340  | .00335  | .00257  | .0011    | .01158  | .1100  |
| %RSD   | .09986  | 1.7430  | 10.653  | 8.7306  | 3.4345  | 1.962    | 1.1983  | 1.1574 |
| #1     | .44809  | .06414  | .03431  | -.03599 | .07292  | .0578    | -.97461 | 9.5838 |
| #2     | .44746  | .06574  | .02951  | -.04073 | .07655  | .0594    | -.95824 | 9.4282 |

Sample Name: LR CHECK 1      Acquired: 12/4/2018 15:48:53      Type: Unk  
Method: P4-ICP2(v2628)      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      ^ ----

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2578.2 | 44730. | 3499.3 | 63.904 | 1988.4 |
| Stddev    | 1.7    | 80.    | 10.1   | .347   | 5.5    |
| %RSD      | .06557 | .17987 | .28971 | .54254 | .27427 |
| #1        | 2577.0 | 44787. | 3506.4 | 63.659 | 1984.5 |
| #2        | 2579.4 | 44674. | 3492.1 | 64.149 | 1992.2 |

Sample Name: LR CHECK 2      Acquired: 12/4/2018 15:53:16      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00335 | -.01760 | 243.96  | .02105  | -.00572  | 28.841 | 92.234  | -.00067 |
| Stddev | .00131  | .00024  | 1.43    | .00179  | .00140   | .184   | 1.509   | .00000  |
| %RSD   | 38.904  | 1.3715  | .58520  | 8.5193  | 24.553   | .63802 | 1.6359  | .63818  |
| #1     | -.00428 | -.01743 | 244.97  | .01978  | -.00671  | 28.710 | 93.301  | -.00067 |
| #2     | -.00243 | -.01778 | 242.95  | .02231  | -.00473  | 28.971 | 91.167  | -.00068 |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247   | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm      | ppm    | ppm     | ppm     |
| Avg    | -.00819 | 33.511  | -.12722 | -.00905 | 237.43   | 16.618 | 40.986  | 33.420  |
| Stddev | .00018  | .166    | .00107  | .00017  | .92      | .188   | .051    | .271    |
| %RSD   | 2.2491  | .49395  | .83869  | 1.9015  | .38761   | 1.1292 | .12558  | .81061  |
| #1     | -.00806 | 33.394  | -.12798 | -.00917 | 236.78   | 16.750 | 40.949  | 33.228  |
| #2     | -.00832 | 33.628  | -.12647 | -.00893 | 238.08   | 16.485 | 41.022  | 33.612  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138   | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm      | ppm    | ppm     | ppm     |
| Avg    | 47.474  | .00664  | 37.361  | -.06343 | F 35.464 | 16.705 | -.00424 | .00276  |
| Stddev | .045    | .00043  | .145    | .00047  | .443     | .030   | .00017  | .01252  |
| %RSD   | .09421  | 6.4686  | .38909  | .73842  | 1.2493   | .17928 | 4.0925  | 453.21  |
| #1     | 47.443  | .00634  | 37.258  | -.06310 | 35.778   | 16.684 | -.00436 | -.00609 |
| #2     | 47.506  | .00695  | 37.463  | -.06376 | 35.151   | 16.727 | -.00412 | .01162  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707   | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm      | ppm    | ppm     | ppm     |
| Avg    | .18291  | .00783  | -.00076 | .00070  | .00287   | -.1544 | -.01565 | 1.5636  |
| Stddev | .00795  | .00102  | .00031  | .00173  | .00112   | .0002  | .00017  | .0509   |
| %RSD   | 4.3483  | 13.009  | 40.227  | 245.24  | 38.904   | .1491  | 1.0873  | 3.2576  |
| #1     | .17728  | .00855  | -.00055 | -.00052 | .00366   | -.1542 | -.01577 | 1.5996  |
| #2     | .18853  | .00711  | -.00098 | .00193  | .00208   | -.1546 | -.01553 | 1.5276  |

Sample Name: LR CHECK 2      Acquired: 12/4/2018 15:53:16      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.6678 |
| Stddev | .2779  |
| %RSD   | 4.9024 |

|    |        |
|----|--------|
| #1 | 5.4714 |
| #2 | 5.8643 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3419.6 | 62515. | 4025.3 | 83.578 | 3366.2 |
| Stddev    | 1.4    | 20.    | .1     | 1.368  | 4.4    |
| %RSD      | .03996 | .03156 | .00183 | 1.6372 | .13051 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3418.7 | 62529. | 4025.4 | 82.611 | 3363.1 |
| #2 | 3420.6 | 62501. | 4025.2 | 84.546 | 3369.3 |

Sample Name: J6148-01      Acquired: 12/4/2018 15:56:44      Type: Unk  
Method: P4-ICP2(v2628)      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    | .20559 | -.00804 | 39.880 | .06733 | .13629 | 105.01 | 3.4622 |
| Stddev | .00232 | .00052  | .142   | .00574 | .00420 | .22    | .0234  |
| %RSD   | 1.1264 | 6.4320  | .35518 | 8.5286 | 3.0831 | .21087 | .67613 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .20395 | -.00768 | 39.980 | .06327 | .13926 | 104.86 | 3.4456 |
| #2 | .20722 | -.00841 | 39.780 | .07140 | .13332 | 105.17 | 3.4787 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00739 | .02120 | 252.63 | .41191 | .12962 | 1.9257 | 349.55 |
| Stddev | .00005 | .00111 | 1.89   | .00061 | .00091 | .0112  | 10.32  |
| %RSD   | .71409 | 5.2546 | .74735 | .14864 | .70078 | .58346 | 2.9534 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00743 | .02199 | 251.30 | .41148 | .13026 | 1.9336 | 342.25 |
| #2 | .00735 | .02041 | 253.97 | .41235 | .12898 | 1.9178 | 356.85 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.7535 | 82.990 | .62163 | .00695 | 2.6649 | .45439 | 10.951 |
| Stddev | .0004  | .562   | .00139 | .00084 | .0350  | .00240 | .285   |
| %RSD   | .00952 | .67681 | .22297 | 12.025 | 1.3130 | .52925 | 2.6024 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.7533 | 82.593 | .62261 | .00636 | 2.6402 | .45269 | 10.749 |
| #2 | 3.7538 | 83.387 | .62065 | .00754 | 2.6897 | .45609 | 11.152 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 14.654 | .02554 | .44141 | F 10.882 | 1.1823 | 3.5603 | 2.6862 |
| Stddev | .077   | .00026 | .01591 | .060     | .0126  | .0072  | .0014  |
| %RSD   | .52472 | 1.0205 | 3.6037 | .55310   | 1.0692 | .20086 | .05385 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.600 | .02536 | .43016 | 10.925 | 1.1733 | 3.5653 | 2.6873 |
| #2 | 14.708 | .02573 | .45266 | 10.840 | 1.1912 | 3.5552 | 2.6852 |

Sample Name: J6148-01      Acquired: 12/4/2018 15:56:44      Type: Unk  
 Method: P4-ICP2(v2628)      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    | .16436 | 9.369  | .43347 | .01079 | F<.00000 |
| Stddev | .00233 | .031   | .00705 | .02456 | 1.4753   |
| %RSD   | 1.4184 | .3317  | 1.6265 | 227.64 | .99415   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .16601 | 9.391 | .43846 | .02816  | -147.36 |
| #2 | .16271 | 9.347 | .42849 | -.00658 | -149.44 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3832.9 | 67077. | 4474.5 | 83.220 | 3226.6 |
| Stddev    | 11.8   | 11.    | 21.3   | 2.203  | 7.9    |
| %RSD      | .30912 | .01622 | .47703 | 2.6471 | .24438 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3824.5 | 67084. | 4489.6 | 84.778 | 3221.0 |
| #2 | 3841.3 | 67069. | 4459.4 | 81.663 | 3232.1 |

Sample Name: J6148-03      Acquired: 12/4/2018 16:00:39      Type: Unk  
Method: P4-ICP2(v2628)      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    | 1.3859 | -.00530 | 8.5723 | .10355 | .01460 | 95.057 | 2.9935 |
| Stddev | .0117  | .00012  | .0097  | .00144 | .00147 | .493   | .0140  |
| %RSD   | .84461 | 2.3124  | .11286 | 1.3928 | 10.037 | .51904 | .46604 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 1.3776 | -.00538 | 8.5654 | .10457 | .01356 | 94.708 | 3.0034 |
| #2 | 1.3941 | -.00521 | 8.5791 | .10253 | .01563 | 95.406 | 2.9836 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00713 | .01803 | 224.56 | .48339 | .19478 | 2.1324 | 548.31 |
| Stddev | .00012 | .00102 | .21    | .00254 | .00100 | .0099  | 3.53   |
| %RSD   | 1.7525 | 5.6537 | .09516 | .52625 | .51366 | .46471 | .64355 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00722 | .01731 | 224.71 | .48159 | .19407 | 2.1254 | 550.81 |
| #2 | .00704 | .01875 | 224.40 | .48519 | .19549 | 2.1394 | 545.82 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.5831 | 116.21 | .67713 | .01314 | 5.4951 | .51281 | 14.808 |
| Stddev | .0301  | .31    | .00088 | .00093 | .0297  | .00356 | .121   |
| %RSD   | .65655 | .26810 | .13062 | 7.0420 | .54037 | .69464 | .81594 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.5618 | 116.43 | .67650 | .01379 | 5.5161 | .51029 | 14.893 |
| #2 | 4.6043 | 115.99 | .67775 | .01248 | 5.4741 | .51533 | 14.722 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.642 | .04486 | 1.4126 | 7.0803 | 1.8753 | .43106 | 2.7480 |
| Stddev | .056   | .00051 | .0018  | .0406  | .0036  | .00316 | .0134  |
| %RSD   | .52661 | 1.1332 | .12752 | .57314 | .19388 | .73409 | .48708 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.682 | .04450 | 1.4113 | 7.0516 | 1.8727 | .42882 | 2.7575 |
| #2 | 10.603 | .04522 | 1.4138 | 7.1090 | 1.8779 | .43330 | 2.7385 |



Sample Name: J6148-03      Acquired: 12/4/2018 16:00:39      Type: Unk  
Method: P4-ICP2(v2628)      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    | .13849 | 8.948  | -.06721 | <.00000 | F<.00000 |
| Stddev | .00139 | .005   | .00307  | .07638  | 1.5949   |
| %RSD   | 1.0051 | .0611  | 4.5714  | 8.0885  | .57234   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .13948 | 8.951 | -.06939 | -.99834 | -277.54 |
| #2 | .13751 | 8.944 | -.06504 | -.89032 | -279.79 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3788.9 | 66795. | 4447.3 | 79.568 | 3152.1 |
| Stddev    | 12.3   | 209.   | 22.5   | .779   | 3.1    |
| %RSD      | .32513 | .31315 | .50687 | .97953 | .09740 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3797.6 | 66943. | 4431.4 | 79.016 | 3149.9 |
| #2 | 3780.2 | 66647. | 4463.3 | 80.119 | 3154.3 |

Sample Name: J6204-19      Acquired: 12/4/2018 16:04:39      Type: Unk  
Method: P4-ICP2(v2628)      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    | .05985 | -.00139 | .53582 | .02499 | .00105 | 31.656 | .09931 |
| Stddev | .00137 | .00067  | .00062 | .00095 | .00023 | .049   | .00171 |
| %RSD   | 2.2810 | 48.420  | .11536 | 3.7958 | 21.706 | .15375 | 1.7248 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .06081 | -.00186 | .53538 | .02432 | .00089 | 31.690 | .10053 |
| #2 | .05888 | -.00091 | .53626 | .02567 | .00121 | 31.622 | .09810 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00093 | -.00278 | .75679 | .09103 | .01681 | .09176 | 127.72 |
| Stddev | .00007 | .00006  | .00710 | .00027 | .00030 | .00046 | .49    |
| %RSD   | 7.2782 | 2.2490  | .93842 | .29688 | 1.7828 | .50343 | .38500 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00088 | -.00274 | .75177 | .09122 | .01702 | .09208 | 127.37 |
| #2 | .00098 | -.00283 | .76181 | .09084 | .01660 | .09143 | 128.07 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .59847 | 4.2322 | .03349 | -.00198 | .18696 | .12203 | .10544 |
| Stddev | .00066 | .0776  | .00008 | .00023  | .00035 | .00043 | .00062 |
| %RSD   | .11072 | 1.8336 | .22566 | 11.640  | .18659 | .35161 | .58934 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .59894 | 4.2871 | .03343 | -.00215 | .18720 | .12173 | .10500 |
| #2 | .59800 | 4.1773 | .03354 | -.00182 | .18671 | .12234 | .10588 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5085 | .00232 | .06496 | 2.5672 | 4.1015 | .00840 | .88787 |
| Stddev | .0153  | .00011 | .00717 | .0100  | .0156  | .00001 | .00229 |
| %RSD   | .61081 | 4.9480 | 11.043 | .38889 | .37999 | .15912 | .25789 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.5193 | .00240 | .05989 | 2.5743 | 4.1125 | .00841 | .88949 |
| #2 | 2.4976 | .00223 | .07003 | 2.5602 | 4.0905 | .00839 | .88625 |

Sample Name: J6204-19      Acquired: 12/4/2018 16:04:39      Type: Unk  
 Method: P4-ICP2(v2628)      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    | .01404 | 2.490  | -.12957 | <.00000 | F<.00000 |
| Stddev | .00172 | .004   | .00067  | .14356  | .17863   |
| %RSD   | 12.276 | .1587  | .51529  | 10.444  | .67718   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .01526 | 2.487 | -.12910 | -1.4760 | -26.505 |
| #2 | .01282 | 2.492 | -.13004 | -1.2730 | -26.252 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3883.5 | 68717. | 4232.5 | 90.957 | 3890.5 |
| Stddev    | 10.0   | 48.    | 4.6    | .341   | 10.2   |
| %RSD      | .25670 | .07019 | .10921 | .37447 | .26254 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3876.5 | 68683. | 4229.3 | 91.198 | 3883.3 |
| #2 | 3890.6 | 68751. | 4235.8 | 90.717 | 3897.8 |

Sample Name: J6204-19DUP      Acquired: 12/4/2018 16:08:34      Type: Unk  
Method: P4-ICP2(v2628)      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    | .05848 | -.00150 | .53202 | .02427 | -.00003 | 31.698 | .09736 |
| Stddev | .00172 | .00004  | .00219 | .00099 | .00087  | .013   | .00060 |
| %RSD   | 2.9431 | 2.5374  | .41254 | 4.0645 | 2981.7  | .03955 | .61212 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .05727 | -.00152 | .53357 | .02497 | .00058  | 31.689 | .09694 |
| #2 | .05970 | -.00147 | .53046 | .02357 | -.00064 | 31.707 | .09779 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00088 | -.00281 | .75503 | .09142 | .01636 | .09100 | 125.94 |
| Stddev | .00000 | .00035  | .01404 | .00028 | .00013 | .00107 | 2.67   |
| %RSD   | .22974 | 12.502  | 1.8590 | .30111 | .78999 | 1.1765 | 2.1164 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00088 | -.00256 | .74510 | .09123 | .01645 | .09175 | 124.05 |
| #2 | .00088 | -.00305 | .76495 | .09162 | .01627 | .09024 | 127.82 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .59395 | 4.2656 | .03367 | -.00213 | .15233 | .12227 | .10265 |
| Stddev | .00008 | .0703  | .00002 | .00064  | .01489 | .00027 | .00152 |
| %RSD   | .01285 | 1.6471 | .04896 | 29.856  | 9.7725 | .21915 | 1.4798 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .59401 | 4.2160 | .03368 | -.00258 | .14180 | .12208 | .10158 |
| #2 | .59390 | 4.3153 | .03366 | -.00168 | .16286 | .12246 | .10373 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3998 | .00227 | .06527 | 2.5574 | 4.1731 | .00804 | .90247 |
| Stddev | .0271  | .00005 | .01190 | .0052  | .0155  | .00044 | .00055 |
| %RSD   | 1.1283 | 2.4060 | 18.233 | .20318 | .37024 | 5.4559 | .06128 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3807 | .00231 | .05686 | 2.5611 | 4.1622 | .00773 | .90208 |
| #2 | 2.4190 | .00223 | .07369 | 2.5538 | 4.1841 | .00835 | .90286 |

Sample Name: J6204-19DUP      Acquired: 12/4/2018 16:08:34      Type: Unk  
Method: P4-ICP2(v2628)      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    | .01198 | 2.498  | -.12765 | <.00000 | F<.00000 |
| Stddev | .00123 | .003   | .00290  | .07873  | .68413   |
| %RSD   | 10.273 | .1119  | 2.2731  | 11.612  | 2.6383   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .01285 | 2.500 | -.12560 | -.62235 | -25.447 |
| #2 | .01111 | 2.496 | -.12970 | -.73369 | -26.415 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3885.5 | 68578. | 4275.7 | 92.215 | 3879.3 |
| Stddev    | 1.2    | 47.    | 1.2    | 1.498  | 1.6    |
| %RSD      | .03015 | .06849 | .02885 | 1.6247 | .04084 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3886.3 | 68545. | 4276.6 | 93.275 | 3878.2 |
| #2 | 3884.7 | 68611. | 4274.9 | 91.156 | 3880.4 |

Sample Name: J6204-19LX5      Acquired: 12/4/2018 16:12:28      Type: Unk  
Method: P4-ICP2(v2628)      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    | .01143 | -.00104 | .11547 | .00344 | .00004 | 6.3080 | .01935 | .00012 |
| Stddev | .00078 | .00094  | .00035 | .00362 | .00005 | .0275  | .00125 | .00002 |
| %RSD   | 6.8149 | 91.095  | .30445 | 105.22 | 118.08 | .43582 | 6.4354 | 20.311 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .01199 | -.00037 | .11522 | .00088 | .00008 | 6.3274 | .02023 | .00014 |
| #2 | .01088 | -.00170 | .11572 | .00600 | .00001 | 6.2885 | .01847 | .00010 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00068 | .16121 | .01854 | .00306 | .01921 | 25.219 | .12364 | .88309 |
| Stddev | .00009  | .00373 | .00025 | .00013 | .00018 | .158   | .00002 | .03141 |
| %RSD   | 13.534  | 2.3167 | 1.3362 | 4.3128 | .93492 | .62487 | .01334 | 3.5572 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00074 | .16385 | .01836 | .00297 | .01908 | 25.330 | .12365 | .90530 |
| #2 | -.00061 | .15857 | .01871 | .00316 | .01933 | 25.107 | .12363 | .86088 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00708 | -.00068 | .06697 | .02474 | .02099 | .53041 | .00022 | .00022 |
| Stddev | .00017 | .00069  | .00042 | .00039 | .00001 | .01047 | .00010 | .00153 |
| %RSD   | 2.4680 | 101.61  | .62449 | 1.5725 | .06646 | 1.9740 | 47.719 | 707.24 |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .00695 | -.00117 | .06667 | .02447 | .02100 | .52300 | .00015 | -.00086 |
| #2 | .00720 | -.00019 | .06727 | .02502 | .02098 | .53781 | .00029 | .00130  |

|        |        |        |         |        |         |        |         |         |
|--------|--------|--------|---------|--------|---------|--------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .49555 | .82980 | -.00091 | .18028 | -.00082 | .4824  | -.02548 | <.00000 |
| Stddev | .00279 | .01005 | .00008  | .00070 | .00157  | .0016  | .00012  | .32408  |
| %RSD   | .56215 | 1.2111 | 9.2747  | .38614 | 190.86  | .3317  | .46067  | 32.845  |

|    |        |        |         |        |         |       |         |         |
|----|--------|--------|---------|--------|---------|-------|---------|---------|
| #1 | .49358 | .82269 | -.00097 | .17979 | .00029  | .4813 | -.02556 | -1.2159 |
| #2 | .49752 | .83690 | -.00085 | .18077 | -.00194 | .4835 | -.02540 | -.75755 |

Sample Name: J6204-19LX5      Acquired: 12/4/2018 16:12:28      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      6.6877  
 Stddev      .3316  
 %RSD      4.9587

#1      6.4532  
 #2      6.9222

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3863.4 | 68089. | 4124.2 | 93.088 | 4080.0 |
| Stddev    | 18.8   | 4.     | 47.3   | .619   | 22.7   |
| %RSD      | .48725 | .00566 | 1.1458 | .66466 | .55637 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3876.7 | 68086. | 4090.8 | 92.650 | 4096.0 |
| #2 | 3850.1 | 68091. | 4157.7 | 93.525 | 4063.9 |

Sample Name: J6204-19MS      Acquired: 12/4/2018 16:16:30      Type: Unk  
Method: P4-ICP2(v2628)      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    | .82359 | 1.9832 | 1.5042 | 1.9184 | .25955 | 38.844 | .31077 |
| Stddev | .00367 | .0053  | .0026  | .0043  | .00081 | .103   | .00115 |
| %RSD   | .44530 | .26949 | .17065 | .22522 | .31368 | .26601 | .36907 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82618 | 1.9795 | 1.5023 | 1.9153 | .26013 | 38.771 | .30996 |
| #2 | .82099 | 1.9870 | 1.5060 | 1.9215 | .25897 | 38.917 | .31158 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19195 | .18940 | 1.9248 | .48381 | .21904 | .39808 | 133.41 |
| Stddev | .00012 | .00003 | .0393  | .00022 | .00073 | .00208 | 3.95   |
| %RSD   | .06296 | .01554 | 2.0406 | .04550 | .33538 | .52249 | 2.9611 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19186 | .18942 | 1.8970 | .48365 | .21852 | .39955 | 130.61 |
| #2 | .19204 | .18938 | 1.9525 | .48396 | .21956 | .39660 | 136.20 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .81116 | 6.8005 | .52846 | .06712 | 3.2072 | .42539 | .31450 |
| Stddev | .00019 | .0116  | .00130 | .00010 | .0042  | .00194 | .00837 |
| %RSD   | .02285 | .17109 | .24608 | .15138 | .12933 | .45593 | 2.6620 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81103 | 6.7923 | .52938 | .06720 | 3.2043 | .42402 | .30858 |
| #2 | .81130 | 6.8087 | .52755 | .06705 | 3.2101 | .42677 | .32042 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 12.714 | .39083 | .32739 | F 13.223 | 3.9986 | .61013 | 1.2326 |
| Stddev | .010   | .00192 | .00507 | .047     | .0789  | .00117 | .0054  |
| %RSD   | .07940 | .49066 | 1.5480 | .35832   | 1.9736 | .19103 | .44054 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.707 | .38948 | .32380 | 13.190 | 3.9428 | .60930 | 1.2365 |
| #2 | 12.721 | .39219 | .33097 | 13.257 | 4.0544 | .61095 | 1.2288 |



Sample Name: J6204-19MS      Acquired: 12/4/2018 16:16:30      Type: Unk  
Method: P4-ICP2(v2628)      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    | .22209 | 7.873  | .07410 | <.00000 | F<.00000 |
| Stddev | .00087 | .010   | .00312 | .17228  | .36144   |
| %RSD   | .39061 | .1295  | 4.2151 | 89.495  | 1.1050   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .22270 | 7.880 | .07631 | -.07068 | -32.454 |
| #2 | .22148 | 7.866 | .07189 | -.31432 | -32.965 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3853.5 | 68007. | 4217.8 | 91.112 | 3792.3 |
| Stddev    | 3.0    | 174.   | 8.3    | 2.184  | 2.8    |
| %RSD      | .07815 | .25628 | .19587 | 2.3969 | .07430 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3851.4 | 67884. | 4212.0 | 92.656 | 3794.3 |
| #2 | 3855.7 | 68130. | 4223.6 | 89.568 | 3790.4 |

Sample Name: J6204-19MSD      Acquired: 12/4/2018 16:20:17      Type: Unk  
Method: P4-ICP2(v2628)      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    | .82743 | 1.9854 | 1.5066 | 1.9217 | .26057 | 38.871 | .31191 |
| Stddev | .00281 | .0048  | .0022  | .0030  | .00093 | .342   | .00175 |
| %RSD   | .33972 | .24006 | .14827 | .15562 | .35823 | .87997 | .56207 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82544 | 1.9820 | 1.5050 | 1.9238 | .25991 | 39.113 | .31315 |
| #2 | .82942 | 1.9888 | 1.5082 | 1.9196 | .26123 | 38.629 | .31067 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19137 | .18986 | 1.9150 | .48302 | .22052 | .40018 | 132.36 |
| Stddev | .00055 | .00090 | .0025  | .00300 | .00006 | .00049 | 1.02   |
| %RSD   | .28498 | .47148 | .13070 | .62068 | .02638 | .12332 | .76978 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19176 | .18923 | 1.9133 | .48514 | .22047 | .39983 | 133.08 |
| #2 | .19098 | .19049 | 1.9168 | .48090 | .22056 | .40053 | 131.64 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80962 | 6.7172 | .53085 | .06715 | 3.1848 | .42617 | .31453 |
| Stddev | .00063 | .0538  | .00019 | .00023 | .0057  | .00029 | .00190 |
| %RSD   | .07775 | .80074 | .03610 | .34843 | .17900 | .06922 | .60411 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81007 | 6.6791 | .53099 | .06732 | 3.1808 | .42597 | .31587 |
| #2 | .80918 | 6.7552 | .53072 | .06699 | 3.1889 | .42638 | .31319 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 12.704 | .39076 | .32933 | F 13.265 | 4.0115 | .61315 | 1.2276 |
| Stddev | .007   | .00015 | .00747 | .001     | .0236  | .00184 | .0033  |
| %RSD   | .05887 | .03786 | 2.2698 | .00408   | .58725 | .29995 | .26733 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.709 | .39086 | .33461 | 13.265 | 3.9948 | .61185 | 1.2300 |
| #2 | 12.699 | .39065 | .32404 | 13.264 | 4.0281 | .61445 | 1.2253 |

Sample Name: J6204-19MSD      Acquired: 12/4/2018 16:20:17      Type: Unk  
Method: P4-ICP2(v2628)      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    | .22327 | 7.881  | .07552 | <.00000 | F<.00000 |
| Stddev | .00190 | .011   | .00143 | .37858  | .12392   |
| %RSD   | .85021 | .1441  | 1.8962 | 1522.2  | .36878   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .22193 | 7.889 | .07451 | .24282  | -33.515 |
| #2 | .22461 | 7.873 | .07653 | -.29257 | -33.690 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3864.0 | 68008. | 4217.3 | 91.645 | 3803.5 |
| Stddev    | 13.0   | 367.   | 10.8   | .856   | 5.3    |
| %RSD      | .33579 | .53921 | .25601 | .93398 | .14047 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3854.9 | 67748. | 4209.6 | 91.040 | 3799.8 |
| #2 | 3873.2 | 68267. | 4224.9 | 92.251 | 3807.3 |

Sample Name: J6204-19A      Acquired: 12/4/2018 16:24:03      Type: Unk  
Method: P4-ICP2(v2628)      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    | .82566 | 1.9807 | 1.4999 | 1.9185 | .25770 | 39.064 | .31250 |
| Stddev | .00453 | .0051  | .0032  | .0057  | .00024 | .130   | .00282 |
| %RSD   | .54823 | .25535 | .21506 | .29529 | .09217 | .33155 | .90170 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82246 | 1.9771 | 1.5022 | 1.9145 | .25787 | 39.155 | .31051 |
| #2 | .82887 | 1.9842 | 1.4977 | 1.9225 | .25753 | 38.972 | .31449 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19231 | .18931 | 1.9224 | .48588 | .21916 | .39781 | 133.08 |
| Stddev | .00062 | .00019 | .0058  | .00146 | .00046 | .00154 | .25    |
| %RSD   | .32326 | .09808 | .30153 | .30060 | .20836 | .38812 | .19042 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19187 | .18918 | 1.9183 | .48691 | .21884 | .39890 | 133.26 |
| #2 | .19275 | .18944 | 1.9265 | .48485 | .21949 | .39672 | 132.90 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .81230 | 6.7850 | .52731 | .06771 | 3.2042 | .42561 | .31533 |
| Stddev | .00103 | .0320  | .00049 | .00041 | .0127  | .00236 | .00048 |
| %RSD   | .12703 | .47124 | .09286 | .60620 | .39733 | .55374 | .15278 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81157 | 6.7624 | .52696 | .06742 | 3.1952 | .42728 | .31499 |
| #2 | .81303 | 6.8076 | .52766 | .06800 | 3.2132 | .42395 | .31567 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 12.752 | .39078 | .32657 | F 13.211 | 4.0221 | .61106 | 1.2306 |
| Stddev | .072   | .00057 | .00556 | .027     | .0416  | .00074 | .0010  |
| %RSD   | .56454 | .14600 | 1.7017 | .20240   | 1.0352 | .12087 | .07953 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.701 | .39119 | .32264 | 13.192 | 3.9927 | .61054 | 1.2299 |
| #2 | 12.803 | .39038 | .33050 | 13.230 | 4.0516 | .61158 | 1.2312 |

Sample Name: J6204-19A      Acquired: 12/4/2018 16:24:03      Type: Unk  
Method: P4-ICP2(v2628)      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    | .22262 | 7.854  | .07500 | <.00000 | F<.00000 |
| Stddev | .00275 | .026   | .00103 | .22334  | .03069   |
| %RSD   | 1.2363 | .3348  | 1.3730 | 1048.0  | .09264   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .22067 | 7.836 | .07427 | .13661  | -33.143 |
| #2 | .22456 | 7.873 | .07573 | -.17923 | -33.100 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3853.2 | 67614. | 4202.4 | 90.852 | 3795.5 |
| Stddev    | 16.0   | 146.   | 41.6   | .203   | 10.2   |
| %RSD      | .41476 | .21549 | .99011 | .22346 | .26902 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3841.9 | 67511. | 4231.8 | 90.709 | 3788.3 |
| #2 | 3864.5 | 67717. | 4173.0 | 90.996 | 3802.7 |

Sample Name: CCV02      Acquired: 12/4/2018 16:27:49      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9267 | 4.8543 | 4.9138 | 4.8815 | 4.9584 | 9.4840 | 9.9024 | .24290   |
| Stddev | .0229  | .0207  | .0142  | .0112  | .0309  | .0208  | .0284  | .00184   |
| %RSD   | .46558 | .42708 | .28822 | .22878 | .62297 | .21964 | .28683 | .75618   |
| #1     | 4.9429 | 4.8689 | 4.9239 | 4.8894 | 4.9802 | 9.4987 | 9.9225 | .24420   |
| #2     | 4.9105 | 4.8396 | 4.9038 | 4.8736 | 4.9366 | 9.4693 | 9.8823 | .24160   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4207 | 24.310 | .95989 | 2.4314 | 1.2327 | 4.8606 | 2.4441 | 24.577   |
| Stddev | .0047  | .128   | .00662 | .0067  | .0050  | .0111  | .0217  | .305     |
| %RSD   | .19497 | .52703 | .68994 | .27444 | .40895 | .22725 | .88713 | 1.2396   |
| #1     | 2.4240 | 24.220 | .96457 | 2.4362 | 1.2362 | 4.8684 | 2.4595 | 24.362   |
| #2     | 2.4174 | 24.401 | .95520 | 2.4267 | 1.2291 | 4.8528 | 2.4288 | 24.792   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4064 | 1.2028 | 24.435 | 2.4043 | 2.5002 | 24.694 | 4.9867 | 4.7978   |
| Stddev | .0041  | .0053  | .055   | .0155  | .0158  | .073   | .0174  | .0158    |
| %RSD   | .16918 | .43856 | .22381 | .64569 | .63286 | .29419 | .34958 | .32854   |
| #1     | 2.4093 | 1.2066 | 24.397 | 2.4152 | 2.5114 | 24.746 | 4.9991 | 4.7867   |
| #2     | 2.4035 | 1.1991 | 24.474 | 2.3933 | 2.4890 | 24.643 | 4.9744 | 4.8090   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8167 | 4.8381 | 4.8473 | 4.9392 | 4.9060 | 4.781  | 4.9338 | F 1.3403 |
| Stddev | .0263  | .0037  | .0150  | .0117  | .0144  | .009   | .0052  | .0779    |
| %RSD   | .54562 | .07545 | .30969 | .23734 | .29309 | .1783  | .10584 | 5.8099   |
| #1     | 4.8353 | 4.8355 | 4.8579 | 4.9310 | 4.9162 | 4.787  | 4.9301 | 1.3954   |
| #2     | 4.7981 | 4.8407 | 4.8367 | 4.9475 | 4.8959 | 4.775  | 4.9375 | 1.2853   |

Sample Name: CCV02      Acquired: 12/4/2018 16:27:49      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.3814 |
| Stddev | .5667    |
| %RSD   | 23.797   |

|    |        |
|----|--------|
| #1 | 2.7822 |
| #2 | 1.9807 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3633.0 | 63548. | 3996.3 | 88.136 | 3571.6 |
| Stddev    | 17.5   | 315.   | 2.0    | .558   | 13.6   |
| %RSD      | .48036 | .49496 | .04941 | .63265 | .38131 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3620.7 | 63326. | 3997.7 | 87.742 | 3561.9 |
| #2 | 3645.4 | 63771. | 3994.9 | 88.530 | 3581.2 |

Sample Name: CCB02      Acquired: 12/4/2018 16:39:44      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00009 | -.00047 | .00384 | .00002 | -.00047 | .00070 | -.00023 | -.00007 |
| Stddev | .00062  | .00083  | .00043 | .00141 | .00053  | .00461 | .00083  | .00001  |
| %RSD   | 663.97  | 178.46  | 11.316 | 8755.1 | 113.98  | 654.37 | 363.13  | 21.116  |

|    |         |         |        |         |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00053 | -.00106 | .00414 | -.00098 | -.00009 | -.00255 | .00036  | -.00006 |
| #2 | .00035  | .00012  | .00353 | .00101  | -.00085 | .00396  | -.00081 | -.00008 |

|        |         |         |        |         |        |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | -.00652 | .00022 | -.00003 | .00012 | .00891 | .00006 | .00843 |
| Stddev | .00001  | .01368  | .00037 | .00015  | .00070 | .00785 | .00004 | .04576 |
| %RSD   | 14.375  | 209.78  | 170.29 | 592.31  | 568.03 | 88.105 | 68.548 | 542.84 |

|    |         |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|---------|--------|--------|---------|
| #1 | -.00007 | -.01620 | .00048  | .00008  | .00061  | .00336 | .00009 | .04079  |
| #2 | -.00008 | .00315  | -.00004 | -.00013 | -.00037 | .01446 | .00003 | -.02393 |

|        |        |         |         |        |         |         |         |         |
|--------|--------|---------|---------|--------|---------|---------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00018 | -.00071 | -.01880 | .00006 | -.00132 | -.01302 | -.00033 | -.01148 |
| Stddev | .00045 | .00086  | .00118  | .00056 | .00003  | .01160  | .00017  | .00384  |
| %RSD   | 251.39 | 121.25  | 6.2571  | 913.17 | 2.1409  | 89.141  | 51.033  | 33.471  |

|    |         |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00014 | -.00010 | -.01797 | .00046  | -.00130 | -.00481 | -.00021 | -.00876 |
| #2 | .00050  | -.00132 | -.01964 | -.00034 | -.00134 | -.02122 | -.00045 | -.01420 |

|        |         |         |         |        |         |        |        |         |
|--------|---------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00393 | -.00252 | -.00295 | .00279 | -.00367 | .0000  | .00002 | <.00000 |
| Stddev | .00078  | .00063  | .00054  | .00291 | .00175  | .0007  | .00004 | .19607  |
| %RSD   | 19.725  | 25.055  | 18.368  | 104.27 | 47.601  | 11730. | 227.55 | 20.267  |

|    |         |         |         |        |         |        |         |         |
|----|---------|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00338 | -.00207 | -.00257 | .00485 | -.00243 | -.0005 | -.00001 | -1.1061 |
| #2 | -.00448 | -.00296 | -.00333 | .00073 | -.00490 | .0005  | .00005  | -.82879 |



Sample Name: CCB02      Acquired: 12/4/2018 16:39:44      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .29120  
 Stddev      .98418  
 %RSD      337.97

#1      .98713  
 #2      -.40472

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3822.1 | 67359. | 4054.7 | 93.083 | 4138.2 |
| Stddev    | 10.5   | 367.   | 6.9    | 1.155  | 13.6   |
| %RSD      | .27458 | .54420 | .16956 | 1.2408 | .32769 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3814.7 | 67100. | 4049.8 | 92.267 | 4128.6 |
| #2 | 3829.5 | 67618. | 4059.5 | 93.900 | 4147.8 |

Sample Name: J6164-01      Acquired: 12/4/2018 16:47:39      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00309 | -.00226 | .04428 | .00475 | .00243 | 1.5978 | .06140 | -.00005 |
| Stddev | .00190  | .00105  | .00002 | .00054 | .00142 | .0109  | .00047 | .00008  |
| %RSD   | 61.587  | 46.650  | .03617 | 11.364 | 58.474 | .68211 | .77332 | 148.04  |

|    |         |         |        |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|--------|---------|
| #1 | -.00175 | -.00300 | .04427 | .00513 | .00142 | 1.5901 | .06173 | -.00011 |
| #2 | -.00444 | -.00151 | .04429 | .00437 | .00343 | 1.6055 | .06106 | .00000  |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00010 | 26.063 | .00788 | .00194 | .16918 | 7.3830 | .14401 | 4.0149 |
| Stddev | .00009  | .102   | .00012 | .00017 | .00115 | .2166  | .00000 | .0617  |
| %RSD   | 91.209  | .39215 | 1.4923 | 8.6272 | .67932 | 2.9341 | .00119 | 1.5369 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00003 | 26.136 | .00796 | .00206 | .17000 | 7.2298 | .14401 | 3.9713 |
| #2 | -.00016 | 25.991 | .00779 | .00182 | .16837 | 7.5362 | .14401 | 4.0585 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00557 | -.00056 | 81.273 | .00585 | .43623 | 2.2521 | .00118 | .01828 |
| Stddev | .00052 | .00003  | .761   | .00023 | .00997 | .0130  | .00004 | .00483 |
| %RSD   | 9.3898 | 6.0776  | .93636 | 3.8593 | 2.2845 | .57515 | 3.1093 | 26.445 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00594 | -.00059 | 81.811 | .00601 | .42918 | 2.2429 | .00121 | .02170 |
| #2 | .00520 | -.00054 | 80.734 | .00569 | .44328 | 2.2612 | .00115 | .01486 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.7918 | 4.5000 | -.00068 | .07167 | -.00070 | 1.096  | .08261 | .61228 |
| Stddev | .0036  | .0498  | .00017  | .00083 | .00056  | .005   | .00069 | .21119 |
| %RSD   | .09606 | 1.1065 | 25.108  | 1.1590 | 79.821  | .4278  | .83042 | 34.492 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.7892 | 4.5352 | -.00081 | .07226 | -.00031 | 1.093 | .08310 | .76161 |
| #2 | 3.7943 | 4.4648 | -.00056 | .07109 | -.00110 | 1.099 | .08213 | .46294 |

Sample Name: J6164-01      Acquired: 12/4/2018 16:47:39      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.9718  
 Stddev      .1197  
 %RSD      6.0716

#1      1.8872  
 #2      2.0565

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3591.5 | 63979. | 4095.5 | 92.816 | 3703.7 |
| Stddev    | 18.1   | 50.    | 43.4   | 1.747  | 6.9    |
| %RSD      | .50463 | .07780 | 1.0604 | 1.8828 | .18744 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3578.7 | 63944. | 4064.8 | 94.052 | 3698.8 |
| #2 | 3604.3 | 64015. | 4126.2 | 91.580 | 3708.6 |

Sample Name: J6164-02      Acquired: 12/4/2018 16:51:37      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00362 | -.00204 | .03891 | .00285 | .00021 | 1.2829 | .05517 | -.00009 |
| Stddev | .00051  | .00064  | .00049 | .00357 | .00025 | .0188  | .00013 | .00002  |
| %RSD   | 13.988  | 31.358  | 1.2645 | 125.14 | 117.01 | 1.4690 | .22899 | 21.420  |

|    |         |         |        |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|--------|---------|
| #1 | -.00326 | -.00159 | .03856 | .00033 | .00004 | 1.2696 | .05508 | -.00010 |
| #2 | -.00398 | -.00249 | .03925 | .00538 | .00038 | 1.2962 | .05526 | -.00007 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00002 | 24.132 | .00660 | .00169 | .16489 | 6.3688 | .12339 | 3.7217 |
| Stddev | .00007  | .123   | .00005 | .00021 | .00016 | .0017  | .00082 | .0038  |
| %RSD   | 398.05  | .50841 | .75680 | 12.145 | .09835 | .02586 | .66450 | .10307 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00007 | 24.046 | .00663 | .00184 | .16478 | 6.3677 | .12281 | 3.7190 |
| #2 | .00003  | 24.219 | .00656 | .00155 | .16501 | 6.3700 | .12397 | 3.7244 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00369 | -.00068 | 73.893 | .00485 | .39116 | 2.1005 | .00105 | .00030 |
| Stddev | .00000 | .00049  | .018   | .00046 | .00365 | .0005  | .00007 | .00902 |
| %RSD   | .11164 | 72.620  | .02389 | 9.5221 | .93185 | .02448 | 6.6110 | 2991.3 |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .00369 | -.00033 | 73.905 | .00518 | .39374 | 2.1002 | .00110 | .00668  |
| #2 | .00369 | -.00102 | 73.880 | .00453 | .38859 | 2.1009 | .00100 | -.00608 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.4799 | 4.0197 | -.00106 | .05778 | -.00061 | 1.047  | .07716 | .50543 |
| Stddev | .0093  | .0006  | .00017  | .00293 | .00123  | .003   | .00011 | .13119 |
| %RSD   | .26805 | .01541 | 16.159  | 5.0719 | 201.45  | .2645  | .14643 | 25.955 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.4733 | 4.0202 | -.00094 | .05986 | -.00148 | 1.045 | .07708 | .59819 |
| #2 | 3.4865 | 4.0193 | -.00118 | .05571 | .00026  | 1.049 | .07724 | .41267 |

Sample Name: J6164-02      Acquired: 12/4/2018 16:51:37      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.3970  
 Stddev      .0776  
 %RSD      5.5523

#1      1.3421  
 #2      1.4518

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3633.8 | 64515. | 4072.4 | 92.139 | 3745.1 |
| Stddev    | 2.0    | 26.    | 17.2   | .896   | 1.3    |
| %RSD      | .05489 | .03988 | .42286 | .97193 | .03490 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3632.4 | 64533. | 4060.2 | 91.506 | 3744.2 |
| #2 | 3635.2 | 64497. | 4084.6 | 92.772 | 3746.1 |

Sample Name: J6164-02DUP      Acquired: 12/4/2018 16:55:37      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00131 | -.00204 | .03789 | .00680 | .00033 | 1.3063 | .05430 | .00001 |
| Stddev | .00014  | .00060  | .00045 | .00073 | .00042 | .0097  | .00056 | .00002 |
| %RSD   | 11.056  | 29.344  | 1.1797 | 10.680 | 128.86 | .74527 | 1.0284 | 298.32 |

|    |         |         |        |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|--------|---------|
| #1 | -.00120 | -.00247 | .03758 | .00732 | .00003 | 1.3132 | .05469 | .00002  |
| #2 | -.00141 | -.00162 | .03821 | .00629 | .00062 | 1.2994 | .05390 | -.00001 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 24.066 | .00702 | .00149 | .16592 | 6.4854 | .12311 | 3.6893 |
| Stddev | .00002  | .016   | .00028 | .00008 | .00016 | .0343  | .00025 | .0329  |
| %RSD   | 48.603  | .06606 | 3.9359 | 5.5588 | .09660 | .52948 | .20360 | .89243 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00003 | 24.077 | .00683 | .00155 | .16581 | 6.5097 | .12329 | 3.7126 |
| #2 | -.00006 | 24.054 | .00722 | .00144 | .16604 | 6.4611 | .12293 | 3.6660 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00387 | -.00057 | 73.275 | .00514 | .39499 | 2.0924 | .00074 | .00894 |
| Stddev | .00035 | .00018  | .155   | .00022 | .00479 | .0273  | .00002 | .00442 |
| %RSD   | 8.9496 | 31.455  | .21204 | 4.2420 | 1.2127 | 1.3070 | 2.9640 | 49.458 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00363 | -.00044 | 73.165 | .00529 | .39838 | 2.0731 | .00072 | .00581 |
| #2 | .00412 | -.00070 | 73.385 | .00498 | .39160 | 2.1117 | .00075 | .01207 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.4643 | 3.9056 | -.00099 | .05708 | -.00140 | 1.049  | .07636 | 1.0964 |
| Stddev | .0401  | .0076  | .00037  | .00139 | .00110  | .012   | .00016 | .6231  |
| %RSD   | 1.1564 | .19598 | 37.246  | 2.4294 | 78.750  | 1.109  | .20952 | 56.832 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.4927 | 3.9002 | -.00125 | .05806 | -.00218 | 1.057 | .07647 | 1.5370 |
| #2 | 3.4360 | 3.9110 | -.00073 | .05610 | -.00062 | 1.040 | .07625 | .65578 |

Sample Name: J6164-02DUP      Acquired: 12/4/2018 16:55:37      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.4435 |
| Stddev | 1.1447 |
| %RSD   | 79.298 |

|    |        |
|----|--------|
| #1 | 2.2529 |
| #2 | .63411 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3637.0 | 64083. | 4138.3 | 91.733 | 3753.9 |
| Stddev    | 32.0   | 557.   | 8.8    | 1.381  | 50.2   |
| %RSD      | .87856 | .86911 | .21215 | 1.5058 | 1.3371 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3614.4 | 63689. | 4132.1 | 90.756 | 3718.4 |
| #2 | 3659.6 | 64477. | 4144.5 | 92.710 | 3789.4 |

Sample Name: J6164-02LX5      Acquired: 12/4/2018 16:59:34      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00299 | -.00070 | .00935 | .00125 | -.00111 | .27395 | .01077 | -.00003 |
| Stddev | .00182  | .00033  | .00152 | .00153 | .00022  | .01512 | .00027 | .00000  |
| %RSD   | 60.925  | 47.749  | 16.234 | 121.82 | 19.613  | 5.5183 | 2.4914 | 13.717  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00170 | -.00093 | .01043 | .00017 | -.00096 | .26326 | .01058 | -.00004 |
| #2 | -.00428 | -.00046 | .00828 | .00233 | -.00127 | .28464 | .01096 | -.00003 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 4.8460 | .00110 | .00036 | .03451 | 1.3017 | .02539 | .82103 |
| Stddev | .00007  | .0142  | .00001 | .00006 | .00015 | .0339  | .00061 | .02989 |
| %RSD   | 127.66  | .29378 | 1.1253 | 15.742 | .42372 | 2.6015 | 2.3884 | 3.6399 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00010 | 4.8359 | .00111 | .00032 | .03441 | 1.3256 | .02496 | .84216 |
| #2 | -.00001 | 4.8560 | .00109 | .00040 | .03462 | 1.2777 | .02582 | .79990 |

|        |        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00088 | .00021 | 14.864 | .00165 | .08315 | .42817 | -.00006 | -.00630 |
| Stddev | .00015 | .00021 | .028   | .00026 | .00247 | .00574 | .00006  | .00317  |
| %RSD   | 16.515 | 99.839 | .18887 | 15.739 | 2.9683 | 1.3398 | 100.86  | 50.349  |

|    |        |        |        |        |        |        |         |         |
|----|--------|--------|--------|--------|--------|--------|---------|---------|
| #1 | .00099 | .00036 | 14.884 | .00183 | .08489 | .42412 | -.00002 | -.00406 |
| #2 | .00078 | .00006 | 14.844 | .00147 | .08140 | .43223 | -.00011 | -.00854 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .68279 | .84314 | -.00250 | .01160 | -.00456 | .2036  | .01526 | .49398 |
| Stddev | .00121 | .00979 | .00026  | .00037 | .00154  | .0006  | .00005 | .26014 |
| %RSD   | .17651 | 1.1609 | 10.527  | 3.1504 | 33.819  | .2987  | .34044 | 52.662 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | .68194 | .85006 | -.00231 | .01134 | -.00347 | .2041 | .01529 | .31004 |
| #2 | .68364 | .83622 | -.00269 | .01186 | -.00565 | .2032 | .01522 | .67793 |



Sample Name: J6164-02LX5      Acquired: 12/4/2018 16:59:34      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .67680  
Stddev      .47496  
%RSD      70.177

#1      1.0127  
#2      .34095

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3779.2 | 65610. | 4097.1 | 92.212 | 4007.3 |
| Stddev    | 1.1    | 865.   | 65.8   | 2.778  | 2.7    |
| %RSD      | .02937 | 1.3187 | 1.6069 | 3.0128 | .06638 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3778.5 | 66222. | 4050.6 | 90.247 | 4005.4 |
| #2 | 3780.0 | 64998. | 4143.7 | 94.176 | 4009.2 |

Sample Name: J6164-02MS      Acquired: 12/4/2018 17:03:35      Type: Unk  
Method: P4-ICP2(v2628)      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    | .76016 | 1.8210 | .96340 | 1.8550 | .77852 | 3.4203 | .25533 | .18742 |
| Stddev | .00349 | .0128  | .00739 | .0141  | .00644 | .0194  | .00086 | .00003 |
| %RSD   | .45938 | .70294 | .76748 | .76047 | .82773 | .56754 | .33779 | .01501 |
| #1     | .76263 | 1.8300 | .96863 | 1.8650 | .78308 | 3.4066 | .25594 | .18740 |
| #2     | .75769 | 1.8119 | .95817 | 1.8450 | .77397 | 3.4341 | .25472 | .18744 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18265 | 25.806 | .40546 | .19518 | .46925 | 9.9980 | .32405 | 5.7872 |
| Stddev | .00081 | .037   | .00031 | .00068 | .00105 | .0637  | .00015 | .0364  |
| %RSD   | .44292 | .14420 | .07760 | .34744 | .22415 | .63747 | .04710 | .62828 |
| #1     | .18323 | 25.832 | .40524 | .19566 | .47000 | 9.9529 | .32416 | 5.8129 |
| #2     | .18208 | 25.779 | .40568 | .19470 | .46851 | 10.043 | .32394 | 5.7614 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .47608 | .06728 | 77.958 | .30968 | .60661 | 11.918 | .40882 | .29835 |
| Stddev | .00167 | .00013 | .157   | .00116 | .00185 | .047   | .00132 | .01260 |
| %RSD   | .35072 | .19429 | .20200 | .37461 | .30480 | .39707 | .32396 | 4.2235 |
| #1     | .47726 | .06719 | 77.847 | .30886 | .60530 | 11.885 | .40975 | .28944 |
| #2     | .47490 | .06737 | 78.070 | .31050 | .60792 | 11.952 | .40788 | .30726 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.5607 | 5.2319 | .65385 | .26410 | .19793 | 6.455  | .27542 | 2.3792 |
| Stddev | .0056  | .0116  | .00338 | .00306 | .00011 | .034   | .00040 | .0925  |
| %RSD   | .15636 | .22076 | .51688 | 1.1587 | .05317 | .5288  | .14528 | 3.8866 |
| #1     | 3.5646 | 5.2401 | .65624 | .26194 | .19786 | 6.479  | .27513 | 2.3138 |
| #2     | 3.5567 | 5.2238 | .65146 | .26626 | .19801 | 6.431  | .27570 | 2.4446 |

Sample Name: J6164-02MS      Acquired: 12/4/2018 17:03:35      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      .15278  
 %RSD      26.457

#1      -.46943  
 #2      -.68549

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3633.0 | 63353. | 4079.3 | 88.774 | 3700.5 |
| Stddev    | 35.6   | 177.   | 7.9    | .110   | 38.0   |
| %RSD      | .98071 | .28016 | .19455 | .12340 | 1.0269 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3607.8 | 63228. | 4073.7 | 88.852 | 3673.7 |
| #2 | 3658.2 | 63479. | 4084.9 | 88.697 | 3727.4 |

Sample Name: J6164-02MSD      Acquired: 12/4/2018 17:07:21      Type: Unk  
Method: P4-ICP2(v2628)      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    | .75966 | 1.8291 | .96801 | 1.8592 | .77548 | 3.4189 | .25529 | .18756 |
| Stddev | .00007 | .0019  | .00003 | .0084  | .00002 | .0528  | .00241 | .00024 |
| %RSD   | .00962 | .10256 | .00344 | .45134 | .00199 | 1.5448 | .94360 | .12579 |
| #1     | .75961 | 1.8277 | .96798 | 1.8652 | .77549 | 3.3815 | .25359 | .18773 |
| #2     | .75971 | 1.8304 | .96803 | 1.8533 | .77547 | 3.4562 | .25700 | .18740 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18324 | 25.547 | .40356 | .19640 | .46928 | 9.6913 | .32388 | 5.7637 |
| Stddev | .00037 | .178   | .00031 | .00075 | .00038 | .0840  | .00010 | .0511  |
| %RSD   | .20060 | .69803 | .07624 | .38180 | .08009 | .86691 | .03088 | .88667 |
| #1     | .18298 | 25.420 | .40378 | .19587 | .46902 | 9.7507 | .32395 | 5.7275 |
| #2     | .18350 | 25.673 | .40334 | .19693 | .46955 | 9.6319 | .32381 | 5.7998 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .47851 | .06725 | 77.929 | .30920 | .59165 | 11.940 | .40866 | .29012 |
| Stddev | .00216 | .00043 | .486   | .00027 | .01165 | .066   | .00010 | .01488 |
| %RSD   | .45080 | .63784 | .62428 | .08754 | 1.9686 | .55640 | .02442 | 5.1297 |
| #1     | .47698 | .06694 | 77.585 | .30901 | .59989 | 11.893 | .40859 | .30064 |
| #2     | .48003 | .06755 | 78.273 | .30939 | .58342 | 11.986 | .40873 | .27959 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.5851 | 5.2105 | .65799 | .26111 | .19769 | 6.477  | .27513 | 1.9001 |
| Stddev | .0163  | .0562  | .00200 | .00242 | .00183 | .012   | .00196 | .1076  |
| %RSD   | .45315 | 1.0783 | .30415 | .92596 | .92727 | .1852  | .71307 | 5.6608 |
| #1     | 3.5736 | 5.2502 | .65658 | .25940 | .19639 | 6.469  | .27374 | 1.9762 |
| #2     | 3.5966 | 5.1708 | .65941 | .26282 | .19899 | 6.485  | .27652 | 1.8241 |

Sample Name: J6164-02MSD      Acquired: 12/4/2018 17:07:21      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .28448  
%RSD      44.834

#1      -.83567  
#2      -.43336

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3634.9 | 63509. | 4088.7 | 91.191 | 3692.3 |
| Stddev    | 25.2   | 1.     | 24.0   | 2.114  | 21.8   |
| %RSD      | .69446 | .00107 | .58608 | 2.3183 | .59154 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3617.1 | 63508. | 4071.7 | 89.696 | 3676.9 |
| #2 | 3652.8 | 63509. | 4105.6 | 92.686 | 3707.8 |

Sample Name: J6164-02A      Acquired: 12/4/2018 17:11:08      Type: Unk  
Method: P4-ICP2(v2628)      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    | .76526 | 1.8354 | .96683 | 1.8686 | .77975 | 3.4682 | .25529 | .18949 |
| Stddev | .00504 | .0013  | .00056 | .0032  | .00458 | .0644  | .00153 | .00307 |
| %RSD   | .65905 | .07214 | .05744 | .17083 | .58782 | 1.8581 | .59791 | 1.6189 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76883 | 1.8344 | .96722 | 1.8708 | .78299 | 3.4227 | .25421 | .18732 |
| #2 | .76170 | 1.8363 | .96643 | 1.8663 | .77651 | 3.5138 | .25637 | .19165 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18357 | 25.709 | .40788 | .19604 | .47115 | 9.4927 | .32718 | 5.8396 |
| Stddev | .00025 | .070   | .00648 | .00064 | .00111 | .0152  | .00590 | .0582  |
| %RSD   | .13800 | .27143 | 1.5888 | .32424 | .23630 | .15991 | 1.8031 | .99611 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18375 | 25.660 | .40330 | .19649 | .47194 | 9.5035 | .32301 | 5.7985 |
| #2 | .18339 | 25.759 | .41247 | .19559 | .47037 | 9.4820 | .33135 | 5.8807 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .47794 | .06838 | 77.476 | .31231 | .57683 | 11.961 | .40913 | .30324 |
| Stddev | .00066 | .00085 | .482   | .00452 | .00809 | .104   | .00032 | .00540 |
| %RSD   | .13758 | 1.2363 | .62254 | 1.4469 | 1.4018 | .87077 | .07847 | 1.7805 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .47747 | .06778 | 77.135 | .30911 | .57111 | 11.887 | .40890 | .29942 |
| #2 | .47840 | .06897 | 77.817 | .31550 | .58255 | 12.034 | .40935 | .30706 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.5838 | 5.2128 | .65967 | .26335 | .20112 | 6.482  | .27327 | 2.1064 |
| Stddev | .0229  | .0529  | .00277 | .00315 | .00031 | .012   | .00123 | .2318  |
| %RSD   | .63942 | 1.0142 | .42030 | 1.1977 | .15310 | .1888  | .44929 | 11.006 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 3.6000 | 5.1754 | .66163 | .26112 | .20090 | 6.491 | .27240 | 1.9425 |
| #2 | 3.5676 | 5.2502 | .65771 | .26558 | .20133 | 6.473 | .27414 | 2.2704 |

Sample Name: J6164-02A      Acquired: 12/4/2018 17:11:08      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .01927  
%RSD      3.4988

#1      -.56429  
#2      -.53704

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3629.8 | 63011. | 4094.8 | 93.703 | 3696.0 |
| Stddev    | 13.4   | 842.   | 26.1   | .842   | 18.0   |
| %RSD      | .36953 | 1.3370 | .63806 | .89825 | .48604 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3620.3 | 63607. | 4113.3 | 94.298 | 3683.3 |
| #2 | 3639.3 | 62415. | 4076.3 | 93.108 | 3708.7 |

Sample Name: PB114929BL      Acquired: 12/4/2018 17:14:54      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00117 | .00196 | .00217 | .00067 | -.00145 | .00086 | -.00085 |
| Stddev | .00063  | .00036 | .00017 | .00100 | .00051  | .01411 | .00124  |
| %RSD   | 53.307  | 18.302 | 7.9872 | 148.90 | 35.516  | 1638.8 | 146.08  |

|    |         |        |        |         |         |         |         |
|----|---------|--------|--------|---------|---------|---------|---------|
| #1 | -.00073 | .00171 | .00204 | .00138  | -.00108 | -.00912 | -.00172 |
| #2 | -.00162 | .00221 | .00229 | -.00004 | -.00181 | .01084  | .00003  |

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00003 | -.00006 | .00082 | .00004 | -.00007 | .00014 | .00723 |
| Stddev | .00009  | .00003  | .01142 | .00024 | .00017  | .00050 | .00402 |
| %RSD   | 296.48  | 43.863  | 1389.8 | 547.23 | 253.47  | 366.79 | 55.546 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | .00003  | -.00008 | -.00726 | -.00012 | .00005  | .00049  | .01007 |
| #2 | -.00009 | -.00004 | .00890  | .00021  | -.00018 | -.00022 | .00439 |

|        |        |         |        |         |        |        |         |
|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00008 | -.01480 | .00036 | -.00058 | .02829 | .00009 | -.00039 |
| Stddev | .00000 | .01739  | .00036 | .00000  | .00288 | .00020 | .00004  |
| %RSD   | 3.2340 | 117.43  | 101.01 | .61995  | 10.190 | 222.90 | 11.373  |

|    |        |         |        |         |        |         |         |
|----|--------|---------|--------|---------|--------|---------|---------|
| #1 | .00008 | -.02710 | .00062 | -.00058 | .03033 | .00023  | -.00036 |
| #2 | .00008 | -.00251 | .00010 | -.00057 | .02625 | -.00005 | -.00042 |

|        |        |         |         |         |         |         |         |
|--------|--------|---------|---------|---------|---------|---------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .03999 | -.00020 | -.01445 | -.00401 | -.00077 | -.00278 | -.00026 |
| Stddev | .05692 | .00005  | .00760  | .00014  | .00163  | .00063  | .00032  |
| %RSD   | 142.34 | 26.923  | 52.589  | 3.4484  | 210.32  | 22.491  | 120.33  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .08023  | -.00024 | -.01983 | -.00391 | .00038  | -.00322 | -.00004 |
| #2 | -.00026 | -.00016 | -.00908 | -.00411 | -.00192 | -.00234 | -.00049 |



Sample Name: PB114929BL      Acquired: 12/4/2018 17:14:54      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00422 | .0004  | -.00004 | F<.00000 | F<.00000 |
| Stddev | .00044  | .0003  | .00003  | .38688   | .39741   |
| %RSD   | 10.322  | 66.13  | 66.631  | 39.802   | 1176.5   |

|    |         |       |         |         |         |
|----|---------|-------|---------|---------|---------|
| #1 | -.00453 | .0002 | -.00002 | -1.2456 | .24723  |
| #2 | -.00392 | .0006 | -.00006 | -.69844 | -.31479 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3834.1 | 67777. | 4089.8 | 92.604 | 4149.9 |
| Stddev    | 11.9   | 130.   | 29.3   | .359   | 10.4   |
| %RSD      | .31114 | .19233 | .71555 | .38815 | .25010 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3825.7 | 67869. | 4069.1 | 92.858 | 4142.5 |
| #2 | 3842.6 | 67685. | 4110.5 | 92.350 | 4157.2 |

Sample Name: PB115299BL      Acquired: 12/4/2018 17:18:59      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00011 | .00101 | .00120 | .00188 | -.00122 | .00156 | -.00035 |
| Stddev | .00139  | .00140 | .00032 | .00421 | .00081  | .00088 | .00053  |
| %RSD   | 1239.9  | 138.55 | 26.284 | 223.52 | 66.491  | 56.704 | 149.08  |

|    |         |        |        |         |         |        |         |
|----|---------|--------|--------|---------|---------|--------|---------|
| #1 | -.00110 | .00002 | .00098 | -.00109 | -.00179 | .00093 | -.00073 |
| #2 | .00087  | .00200 | .00143 | .00486  | -.00065 | .00218 | .00002  |

|        |         |         |        |         |         |         |        |
|--------|---------|---------|--------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00005 | -.00003 | .00708 | -.00002 | -.00012 | -.00002 | .00184 |
| Stddev | .00001  | .00001  | .00751 | .00052  | .00000  | .00047  | .00280 |
| %RSD   | 16.626  | 45.019  | 106.04 | 3223.6  | .02341  | 2735.4  | 151.95 |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00005 | -.00002 | .01239 | -.00039 | -.00012 | -.00035 | -.00014 |
| #2 | -.00006 | -.00003 | .00177 | .00035  | -.00012 | .00032  | .00382  |

|        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00003 | .08093 | .00037 | -.00024 | .00210 | .00028 | -.00090 |
| Stddev | .00003 | .02119 | .00029 | .00028  | .00562 | .00018 | .00020  |
| %RSD   | 109.69 | 26.181 | 77.092 | 117.26  | 268.24 | 65.074 | 22.361  |

|    |        |        |        |         |         |        |         |
|----|--------|--------|--------|---------|---------|--------|---------|
| #1 | .00001 | .06595 | .00017 | -.00044 | .00607  | .00015 | -.00075 |
| #2 | .00005 | .09592 | .00057 | -.00004 | -.00188 | .00040 | -.00104 |

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .01317 | -.00017 | -.00797 | -.00449 | -.00302 | -.00343 | .00304 |
| Stddev | .02530 | .00017  | .00432  | .00395  | .00060  | .00043  | .00104 |
| %RSD   | 192.13 | 98.815  | 54.113  | 87.878  | 19.811  | 12.536  | 34.184 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00472 | -.00029 | -.01103 | -.00170 | -.00344 | -.00313 | .00378 |
| #2 | .03106  | -.00005 | -.00492 | -.00728 | -.00259 | -.00374 | .00231 |

Sample Name: PB115299BL      Acquired: 12/4/2018 17:18:59      Type: Unk  
 Method: P4-ICP2(v2628)      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    | -0.00393 | -0.0002 | .00010 | F<.00000 | F .32395 |
| Stddev | .00067   | .0003   | .00002 | .20800   | .93018   |
| %RSD   | 17.140   | 213.4   | 19.403 | 19.265   | 287.14   |

|    |          |         |        |         |         |
|----|----------|---------|--------|---------|---------|
| #1 | -0.00345 | -0.0004 | .00008 | -.93259 | .98169  |
| #2 | -0.00440 | .0001   | .00011 | -1.2267 | -.33379 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3831.8 | 67601. | 4104.7 | 93.142 | 4148.1 |
| Stddev    | 2.5    | 241.   | 11.9   | 2.251  | 10.2   |
| %RSD      | .06559 | .35602 | .29051 | 2.4167 | .24472 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3833.6 | 67431. | 4096.2 | 91.550 | 4140.9 |
| #2 | 3830.1 | 67772. | 4113.1 | 94.733 | 4155.3 |

Sample Name: PB115299BS      Acquired: 12/4/2018 17:23:04      Type: Unk  
Method: P4-ICP2(v2628)      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    | .68768 | 1.7433 | .86121 | 1.7288 | .70650 | 1.6569 | .18038 |
| Stddev | .00289 | .0003  | .00148 | .0066  | .00138 | .0173  | .00058 |
| %RSD   | .42052 | .01775 | .17178 | .38316 | .19549 | 1.0451 | .32067 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .68973 | 1.7435 | .86016 | 1.7242 | .70553 | 1.6691 | .18079 |
| #2 | .68564 | 1.7431 | .86225 | 1.7335 | .70748 | 1.6446 | .17997 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17318 | .16502 | .91509 | .35471 | .17295 | .28620 | 2.6226 |
| Stddev | .00005 | .00021 | .00771 | .00025 | .00004 | .00080 | .0022  |
| %RSD   | .02656 | .12759 | .84262 | .07018 | .02430 | .27846 | .08181 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17315 | .16487 | .90964 | .35489 | .17298 | .28564 | 2.6211 |
| #2 | .17321 | .16516 | .92054 | .35454 | .17292 | .28676 | 2.6242 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18348 | 1.8838 | .42639 | .06230 | 2.7231 | .26404 | .18626 |
| Stddev | .00004 | .0989  | .00110 | .00030 | .0195  | .00161 | .00035 |
| %RSD   | .01978 | 5.2494 | .25692 | .48641 | .71690 | .60841 | .18949 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18345 | 1.8139 | .42561 | .06209 | 2.7093 | .26517 | .18601 |
| #2 | .18351 | 1.9537 | .42716 | .06252 | 2.7369 | .26290 | .18651 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.9611 | .36653 | .25703 | 8.1375 | .84528 | .58891 | .18188 |
| Stddev | .0706  | .00062 | .00329 | .0057  | .00643 | .00206 | .00126 |
| %RSD   | .78829 | .16988 | 1.2791 | .06997 | .76108 | .34937 | .69537 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.0111 | .36609 | .25936 | 8.1335 | .84073 | .58746 | .18098 |
| #2 | 8.9112 | .36697 | .25471 | 8.1416 | .84983 | .59037 | .18277 |

Sample Name: PB115299BS      Acquired: 12/4/2018 17:23:04      Type: Unk  
Method: P4-ICP2(v2628)      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    | .17498 | F 4.658 | .17953 | F<.00000 | F<.00000 |
| Stddev | .00033 | .003    | .00011 | .03787   | .18714   |
| %RSD   | .18769 | .0721   | .06270 | 18.223   | 13.620   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .17475 | 4.655 | .17945 | -.18104 | -1.2417 |
| #2 | .17521 | 4.660 | .17961 | -.23460 | -1.5063 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3817.8 | 66960. | 4050.8 | 93.421 | 4070.6 |
| Stddev    | 2.6    | 57.    | 4.4    | .077   | 1.3    |
| %RSD      | .06689 | .08457 | .10886 | .08200 | .03194 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3816.0 | 66920. | 4054.0 | 93.367 | 4069.7 |
| #2 | 3819.6 | 67000. | 4047.7 | 93.475 | 4071.5 |

Sample Name: CCV03      Acquired: 12/4/2018 17:26:54      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8625 | 4.7989 | 4.8717 | 4.7955 | 4.8569 | 9.3163 | 9.5526 | .23954   |
| Stddev | .0031  | .0056  | .0123  | .0036  | .0091  | .0654  | .0146  | .00029   |
| %RSD   | .06321 | .11670 | .25156 | .07579 | .18673 | .70188 | .15291 | .12159   |
| #1     | 4.8603 | 4.8028 | 4.8804 | 4.7981 | 4.8633 | 9.2700 | 9.5422 | .23975   |
| #2     | 4.8647 | 4.7949 | 4.8630 | 4.7929 | 4.8505 | 9.3625 | 9.5629 | .23934   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3993 | 24.035 | .95812 | 2.4192 | 1.2116 | 4.9513 | 2.4139 | 24.377   |
| Stddev | .0061  | .007   | .00220 | .0092  | .0000  | .0244  | .0027  | .117     |
| %RSD   | .25448 | .03058 | .22986 | .37946 | .00086 | .49217 | .11034 | .48095   |
| #1     | 2.4036 | 24.030 | .95657 | 2.4257 | 1.2116 | 4.9341 | 2.4120 | 24.459   |
| #2     | 2.3950 | 24.040 | .95968 | 2.4127 | 1.2116 | 4.9685 | 2.4158 | 24.294   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3845 | 1.1995 | 24.010 | 2.4152 | 2.5488 | 23.918 | 4.9165 | 4.6768   |
| Stddev | .0077  | .0072  | .019   | .0039  | .0194  | .042   | .0038  | .0117    |
| %RSD   | .32243 | .59627 | .07763 | .16318 | .75944 | .17632 | .07736 | .25009   |
| #1     | 2.3899 | 1.1945 | 24.023 | 2.4124 | 2.5352 | 23.888 | 4.9192 | 4.6685   |
| #2     | 2.3791 | 1.2046 | 23.997 | 2.4180 | 2.5625 | 23.947 | 4.9138 | 4.6850   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7407 | 4.7570 | 4.8274 | 4.8427 | 4.7431 | 4.723  | 4.8327 | F 2.1230 |
| Stddev | .0198  | .0045  | .0234  | .0025  | .0085  | .017   | .0033  | .0852    |
| %RSD   | .41667 | .09438 | .48445 | .05222 | .17899 | .3674  | .06761 | 4.0136   |
| #1     | 4.7547 | 4.7602 | 4.8439 | 4.8445 | 4.7371 | 4.735  | 4.8304 | 2.1833   |
| #2     | 4.7267 | 4.7539 | 4.8109 | 4.8409 | 4.7491 | 4.710  | 4.8350 | 2.0628   |

Sample Name: CCV03      Acquired: 12/4/2018 17:26:54      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.5692  
Stddev      .5840  
%RSD      16.363

#1      3.1562  
#2      3.9822

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3680.4 | 63945. | 4058.2 | 86.670 | 3600.7 |
| Stddev    | 7.4    | 72.    | 17.6   | .526   | 18.4   |
| %RSD      | .20206 | .11182 | .43257 | .60655 | .51025 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3675.1 | 63894. | 4045.8 | 87.042 | 3587.7 |
| #2 | 3685.6 | 63995. | 4070.6 | 86.298 | 3613.7 |

Sample Name: CCB03      Acquired: 12/4/2018 17:30:38      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00057 | .00200 | .00322 | .00328 | -.00005 | -.00493 | -.00048 |
| Stddev | .00103  | .00053 | .00074 | .00183 | .00092  | .00258  | .00039  |
| %RSD   | 180.41  | 26.653 | 22.903 | 55.693 | 1938.5  | 52.227  | 81.639  |

|    |         |        |        |        |         |         |         |
|----|---------|--------|--------|--------|---------|---------|---------|
| #1 | .00016  | .00238 | .00270 | .00458 | -.00070 | -.00311 | -.00076 |
| #2 | -.00130 | .00163 | .00374 | .00199 | .00060  | -.00676 | -.00020 |

|        |         |         |         |        |        |         |        |
|--------|---------|---------|---------|--------|--------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00003 | -.00005 | -.00180 | .00010 | .00012 | -.00008 | .00619 |
| Stddev | .00001  | .00001  | .00892  | .00039 | .00006 | .00001  | .00239 |
| %RSD   | 22.180  | 16.100  | 496.39  | 393.40 | 49.042 | 15.687  | 38.663 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00003 | -.00006 | -.00810 | -.00018 | .00008 | -.00007 | .00449 |
| #2 | -.00004 | -.00005 | .00451  | .00037  | .00016 | -.00009 | .00788 |

|        |        |        |        |         |         |         |         |
|--------|--------|--------|--------|---------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00004 | .03578 | .00066 | -.00056 | -.02293 | -.00012 | -.00131 |
| Stddev | .00004 | .01418 | .00036 | .00006  | .00899  | .00086  | .00009  |
| %RSD   | 92.600 | 39.640 | 55.099 | 10.101  | 39.231  | 711.70  | 6.8247  |

|    |        |        |        |         |         |         |         |
|----|--------|--------|--------|---------|---------|---------|---------|
| #1 | .00007 | .04580 | .00091 | -.00060 | -.02929 | .00049  | -.00137 |
| #2 | .00002 | .02575 | .00040 | -.00052 | -.01657 | -.00073 | -.00125 |

|        |         |        |         |         |         |         |        |
|--------|---------|--------|---------|---------|---------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.01130 | .00008 | -.00710 | -.00411 | -.00322 | -.00147 | .00132 |
| Stddev | .02750  | .00007 | .00016  | .00076  | .00055  | .00004  | .00027 |
| %RSD   | 243.42  | 85.721 | 2.2602  | 18.469  | 17.092  | 2.9424  | 20.492 |

|    |         |        |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|--------|
| #1 | .00815  | .00012 | -.00721 | -.00465 | -.00361 | -.00151 | .00113 |
| #2 | -.03074 | .00003 | -.00698 | -.00357 | -.00283 | -.00144 | .00152 |



Sample Name: CCB03      Acquired: 12/4/2018 17:30:38      Type: Unk  
 Method: P4-ICP2(v2628)      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       | -.00562 | .0006  | .00003  | F<.00000 | F<.00000 |
| Stddev    | .00366  | .0001  | .00006  | .01780   | .32498   |
| %RSD      | 65.085  | 10.56  | 175.20  | 2.2150   | 143.27   |
| #1        | -.00821 | .0006  | -.00001 | -.79115  | .00297   |
| #2        | -.00303 | .0005  | .00007  | -.81633  | -.45662  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3836.9  | 67617. | 4086.2  | 91.750   | 4155.6   |
| Stddev    | 3.5     | 249.   | 14.4    | 2.557    | 4.9      |
| %RSD      | .09131  | .36779 | .35230  | 2.7873   | .11873   |
| #1        | 3834.4  | 67441. | 4076.1  | 89.942   | 4152.1   |
| #2        | 3839.4  | 67792. | 4096.4  | 93.558   | 4159.1   |

Sample Name: PB114929BS      Acquired: 12/4/2018 17:34:42      Type: Unk  
Method: P4-ICP2(v2628)      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    | .76552 | 1.9360 | .96193 | 1.8716 | .78880 | 1.9523 | .21016 |
| Stddev | .00192 | .0001  | .00019 | .0002  | .00360 | .0059  | .00088 |
| %RSD   | .25137 | .00344 | .01947 | .01201 | .45635 | .30298 | .41874 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76415 | 1.9361 | .96207 | 1.8718 | .78625 | 1.9481 | .21078 |
| #2 | .76688 | 1.9360 | .96180 | 1.8714 | .79134 | 1.9565 | .20954 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18908 | .18534 | 1.1001 | .40782 | .19758 | .31621 | 3.1203 |
| Stddev | .00012 | .00012 | .0150  | .00144 | .00004 | .00004 | .1213  |
| %RSD   | .06170 | .06236 | 1.3672 | .35423 | .01963 | .01177 | 3.8857 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18916 | .18526 | 1.0895 | .40884 | .19761 | .31618 | 3.0346 |
| #2 | .18900 | .18542 | 1.1108 | .40680 | .19756 | .31623 | 3.2061 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21167 | 2.1955 | .48315 | .06942 | 3.1809 | .30553 | .20994 |
| Stddev | .00025 | .0584  | .00076 | .00061 | .0364  | .00220 | .00537 |
| %RSD   | .11669 | 2.6592 | .15774 | .87571 | 1.1440 | .72049 | 2.5578 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21149 | 2.2368 | .48261 | .06985 | 3.1552 | .30709 | .20615 |
| #2 | .21184 | 2.1542 | .48369 | .06899 | 3.2066 | .30397 | .21374 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.289 | .42335 | .29081 | F 1.5620 | .97241 | .66566 | .20759 |
| Stddev | .041   | .00229 | .00094 | .0011    | .00023 | .00158 | .00102 |
| %RSD   | .39760 | .53994 | .32200 | .06900   | .02409 | .23805 | .49224 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.318 | .42173 | .29015 | 1.5627 | .97224 | .66454 | .20687 |
| #2 | 10.260 | .42496 | .29147 | 1.5612 | .97257 | .66678 | .20831 |

Sample Name: PB114929BS      Acquired: 12/4/2018 17:34:42      Type: Unk  
Method: P4-ICP2(v2628)      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    | .20678 | F 5.157 | .20902 | F .10086 | F<.00000 |
| Stddev | .00102 | .004    | .00052 | .25810   | .21043   |
| %RSD   | .49537 | .0686   | .24651 | 255.90   | 9.6330   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .20606 | 5.159 | .20865 | .28336  | -2.3332 |
| #2 | .20751 | 5.154 | .20938 | -.08164 | -2.0356 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3790.6 | 67038. | 4019.2 | 92.279 | 4020.3 |
| Stddev    | 2.7    | 428.   | 8.0    | 1.974  | 15.6   |
| %RSD      | .07185 | .63845 | .19977 | 2.1392 | .38728 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3788.7 | 66736. | 4013.5 | 93.675 | 4009.3 |
| #2 | 3792.5 | 67341. | 4024.8 | 90.883 | 4031.4 |

Sample Name: PB114929TB      Acquired: 12/4/2018 17:38:31      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00056 | -.00060 | .00135 | .00235 | -.00074 | -.00521 | -.00039 |
| Stddev | .00026  | .00034  | .00027 | .00110 | .00017  | .00025  | .00009  |
| %RSD   | 46.882  | 56.443  | 20.044 | 46.908 | 22.267  | 4.7443  | 23.609  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00074 | -.00036 | .00154 | .00313 | -.00086 | -.00503 | -.00032 |
| #2 | -.00037 | -.00084 | .00116 | .00157 | -.00063 | -.00538 | -.00045 |

|        |         |         |        |         |         |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00001 | -.00005 | .00317 | -.00004 | -.00013 | .00030 | .00151 |
| Stddev | .00002  | .00003  | .00297 | .00041  | .00025  | .00024 | .00318 |
| %RSD   | 141.15  | 70.350  | 93.765 | 990.18  | 191.02  | 79.604 | 210.20 |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | -.00003 | -.00002 | .00526 | -.00033 | .00005  | .00048 | .00376  |
| #2 | -.00000 | -.00007 | .00107 | .00025  | -.00031 | .00013 | -.00074 |

|        |        |        |        |         |         |        |         |
|--------|--------|--------|--------|---------|---------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00004 | .00231 | .00045 | -.00043 | -.02665 | .00016 | -.00048 |
| Stddev | .00002 | .00981 | .00029 | .00015  | .00127  | .00052 | .00006  |
| %RSD   | 49.124 | 424.38 | 64.756 | 36.017  | 4.7668  | 321.70 | 12.264  |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00005 | -.00463 | .00066 | -.00032 | -.02575 | .00053  | -.00044 |
| #2 | .00002 | .00925  | .00024 | -.00054 | -.02755 | -.00020 | -.00052 |

|        |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00558 | -.00041 | -.01303 | -.00580 | -.00250 | -.00325 | .00064 |
| Stddev | .00531  | .00001  | .00512  | .00165  | .00035  | .00000  | .00042 |
| %RSD   | 95.073  | 1.4051  | 39.304  | 28.403  | 13.825  | .10969  | 66.182 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00183 | -.00041 | -.01665 | -.00464 | -.00274 | -.00325 | .00034 |
| #2 | -.00933 | -.00041 | -.00941 | -.00697 | -.00226 | -.00324 | .00094 |

Sample Name: PB114929TB      Acquired: 12/4/2018 17:38:31      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00464 | -.0001 | .00006 | F<.00000 | F<.00000 |
| Stddev | .00050  | .0011  | .00003 | .37205   | .18491   |
| %RSD   | 10.672  | 836.7  | 42.616 | 33.010   | 160.26   |

|    |         |        |        |         |         |
|----|---------|--------|--------|---------|---------|
| #1 | -.00499 | .0007  | .00004 | -1.3901 | .01537  |
| #2 | -.00429 | -.0009 | .00008 | -.86398 | -.24613 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3823.6 | 67969. | 4106.2 | 91.975 | 4137.9 |
| Stddev    | 16.2   | 164.   | 25.8   | 1.391  | 2.8    |
| %RSD      | .42462 | .24143 | .62855 | 1.5120 | .06874 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3812.1 | 68085. | 4088.0 | 90.992 | 4135.9 |
| #2 | 3835.0 | 67853. | 4124.5 | 92.958 | 4139.9 |

Sample Name: J5993-10      Acquired: 12/4/2018 17:42:36      Type: Unk  
Method: P4-ICP2(v2628)      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    | .00636 | -.02414 | .61569 | .06095 | -.00412 | 197.30 | .14298 |
| Stddev | .00148 | .00201  | .01061 | .00053 | .00315  | .36    | .00266 |
| %RSD   | 23.334 | 8.3175  | 1.7234 | .86320 | 76.410  | .18239 | 1.8623 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00531 | -.02272 | .60819 | .06057 | -.00634 | 197.04 | .14486 |
| #2 | .00741 | -.02556 | .62319 | .06132 | -.00189 | 197.55 | .14110 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .02137 | .00654 | 1054.1 | .52588 | .12724 | -.04037 | 336.59 |
| Stddev | .00007 | .00103 | 7.3    | .00244 | .00107 | .00175  | 8.55   |
| %RSD   | .34124 | 15.703 | .69228 | .46467 | .84081 | 4.3326  | 2.5393 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .02132 | .00581 | 1059.3 | .52415 | .12648 | -.04161 | 342.64 |
| #2 | .02142 | .00726 | 1048.9 | .52761 | .12799 | -.03914 | 330.55 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7847 | 125.01 | .39766 | .00329 | 202.44 | .63067 | 7.8625 |
| Stddev | .0279  | .94    | .00182 | .00073 | 3.07   | .00071 | .2198  |
| %RSD   | .58212 | .75466 | .45788 | 22.165 | 1.5165 | .11189 | 2.7949 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.8044 | 125.67 | .39637 | .00381 | 204.61 | .63017 | 8.0179 |
| #2 | 4.7650 | 124.34 | .39895 | .00278 | 200.27 | .63117 | 7.7071 |

|        |        |         |        |          |          |         |        |
|--------|--------|---------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 63.711 | -.00391 | 1.1657 | F 1964.6 | F 259.12 | -.72949 | 3.2753 |
| Stddev | .800   | .00051  | .0140  | .7       | 2.77     | .00126  | .0052  |
| %RSD   | 1.2551 | 13.173  | 1.1985 | .03810   | 1.0705   | .17330  | .15965 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 64.276 | -.00354 | 1.1756 | 1964.1 | 261.08 | -.73038 | 3.2790 |
| #2 | 63.145 | -.00427 | 1.1559 | 1965.1 | 257.16 | -.72859 | 3.2716 |

Sample Name: J5993-10      Acquired: 12/4/2018 17:42:36      Type: Unk  
 Method: P4-ICP2(v2628)      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    | .25085 | F 27.13 | 8.7248 | <.00000 | F<.00000 |
| Stddev | .00077 | .14     | .1133  | .27732  | 2.0204   |
| %RSD   | .30769 | .5077   | 1.2982 | 9.3905  | 1.9065   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .25031 | 27.04 | 8.8049 | -3.1493 | -107.40 |
| #2 | .25140 | 27.23 | 8.6447 | -2.7571 | -104.55 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4182.4 | 73521. | 5205.6 | 75.855 | 2685.9 |
| Stddev    | 2.9    | 177.   | 70.6   | 2.226  | 6.7    |
| %RSD      | .07032 | .24095 | 1.3572 | 2.9349 | .25017 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4184.5 | 73396. | 5155.6 | 74.281 | 2690.6 |
| #2 | 4180.3 | 73646. | 5255.5 | 77.430 | 2681.1 |

Sample Name: J5993-10DUP      Acquired: 12/4/2018 17:47:08      Type: Unk  
Method: P4-ICP2(v2628)      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    | .00381 | -.02543 | .61986 | .05703 | -.00732 | 198.44 | .14664 |
| Stddev | .00137 | .00043  | .00224 | .00650 | .00059  | .84    | .00077 |
| %RSD   | 36.012 | 1.6911  | .36077 | 11.401 | 7.9967  | .42418 | .52353 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00284 | -.02574 | .62144 | .05243 | -.00690 | 199.03 | .14718 |
| #2 | .00478 | -.02513 | .61828 | .06163 | -.00773 | 197.84 | .14610 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .02149 | .00692 | 1064.2 | .53087 | .12773 | -.04136 | 337.93 |
| Stddev | .00019 | .00033 | .3     | .00010 | .00034 | .00090  | 4.20   |
| %RSD   | .90614 | 4.8388 | .02566 | .01853 | .26731 | 2.1734  | 1.2438 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .02163 | .00715 | 1064.0 | .53094 | .12797 | -.04073 | 334.95 |
| #2 | .02135 | .00668 | 1064.4 | .53080 | .12749 | -.04200 | 340.90 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8593 | 126.25 | .40029 | .00363 | 200.80 | .63729 | 8.0015 |
| Stddev | .0109  | .41    | .00158 | .00042 | .49    | .00260 | .1025  |
| %RSD   | .22382 | .32542 | .39591 | 11.605 | .24522 | .40788 | 1.2808 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.8670 | 126.54 | .39917 | .00333 | 201.15 | .63912 | 7.9290 |
| #2 | 4.8516 | 125.96 | .40141 | .00393 | 200.45 | .63545 | 8.0740 |

|        |        |         |        |          |          |         |        |
|--------|--------|---------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 64.510 | -.00372 | 1.1684 | F 1965.1 | F 262.42 | -.72831 | 3.2958 |
| Stddev | .378   | .00026  | .0043  | 15.8     | 1.12     | .00791  | .0065  |
| %RSD   | .58576 | 6.9833  | .36826 | .80259   | .42713   | 1.0862  | .19563 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 64.777 | -.00353 | 1.1715 | 1976.2 | 263.21 | -.73391 | 3.2912 |
| #2 | 64.243 | -.00390 | 1.1654 | 1953.9 | 261.63 | -.72272 | 3.3004 |



Sample Name: J5993-10DUP      Acquired: 12/4/2018 17:47:08      Type: Unk  
Method: P4-ICP2(v2628)      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    | .25747 | F 27.27 | 8.7679 | <.00000 | F<.00000 |
| Stddev | .00019 | .09     | .1049  | .09588  | .04061   |
| %RSD   | .07208 | .3441   | 1.1963 | 3.8971  | .03870   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .25760 | 27.34 | 8.8421 | -2.5282 | -104.89 |
| #2 | .25733 | 27.21 | 8.6938 | -2.3926 | -104.95 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4176.4 | 72615. | 5118.5 | 74.718 | 2676.8 |
| Stddev    | 8.1    | 337.   | 28.2   | .735   | 15.2   |
| %RSD      | .19449 | .46389 | .55092 | .98378 | .56843 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4170.6 | 72376. | 5098.5 | 75.237 | 2666.0 |
| #2 | 4182.1 | 72853. | 5138.4 | 74.198 | 2687.5 |

Sample Name: J5993-10LX5      Acquired: 12/4/2018 17:51:41      Type: Unk  
Method: P4-ICP2(v2628)      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    | .00048 | -.00461 | .11721 | .01068 | -.00483 | 47.347 | .03713 | .00527 |
| Stddev | .00050 | .00054  | .00013 | .00149 | .00152  | .122   | .00051 | .00000 |
| %RSD   | 104.29 | 11.709  | .11125 | 13.922 | 31.487  | .25749 | 1.3685 | .09114 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00083 | -.00423 | .11712 | .00963 | -.00376 | 47.433 | .03749 | .00527 |
| #2 | .00013 | -.00500 | .11731 | .01174 | -.00591 | 47.261 | .03677 | .00528 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00014 | 286.90 | .14455 | .02478 | -.00604 | 67.721 | 1.3280 | 33.899 |
| Stddev | .00024 | .57    | .00169 | .00017 | .00077  | 1.442  | .0002  | .169   |
| %RSD   | 174.25 | .19933 | 1.1708 | .69937 | 12.789  | 2.1297 | .01360 | .49808 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00003 | 287.31 | .14575 | .02490 | -.00659 | 68.741 | 1.3279 | 34.018 |
| #2 | .00031  | 286.50 | .14335 | .02466 | -.00550 | 66.701 | 1.3281 | 33.780 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .07781 | -.00237 | 52.308 | .16980 | 1.6499 | 16.251 | -.00137 | .27439 |
| Stddev | .00048 | .00027  | .083   | .00445 | .0428  | .049   | .00028  | .02160 |
| %RSD   | .61065 | 11.259  | .15940 | 2.6222 | 2.5965 | .30247 | 20.311  | 7.8721 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .07814 | -.00218 | 52.367 | .17294 | 1.6801 | 16.286 | -.00157 | .25911 |
| #2 | .07747 | -.00256 | 52.249 | .16665 | 1.6196 | 16.216 | -.00118 | .28966 |

|        |          |          |         |        |        |        |        |        |
|--------|----------|----------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 541.04 | F 73.090 | -.20266 | .86381 | .06453 | 5.094  | 2.3332 | 1.6762 |
| Stddev | 1.40     | .646     | .00075  | .00391 | .00164 | .008   | .0020  | .1285  |
| %RSD   | .25816   | .88366   | .37032  | .45297 | 2.5339 | .1604  | .08735 | 7.6680 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 540.05 | 72.634 | -.20213 | .86105 | .06568 | 5.100 | 2.3346 | 1.7671 |
| #2 | 542.03 | 73.547 | -.20319 | .86658 | .06337 | 5.089 | 2.3318 | 1.5853 |

Sample Name: J5993-10LX5      Acquired: 12/4/2018 17:51:41      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.1908 |
| Stddev | 1.3370 |
| %RSD   | 25.758 |

|    |        |
|----|--------|
| #1 | 6.1362 |
| #2 | 4.2453 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3783.7 | 65294. | 4275.0 | 86.550 | 3403.7 |
| Stddev    | 7.5    | 476.   | 29.5   | 2.189  | 10.9   |
| %RSD      | .19729 | .72888 | .68933 | 2.5296 | .32080 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3778.4 | 64957. | 4254.1 | 85.002 | 3411.4 |
| #2 | 3788.9 | 65630. | 4295.8 | 88.098 | 3396.0 |

Sample Name: J5993-10MS      Acquired: 12/4/2018 17:55:38      Type: Unk  
Method: P4-ICP2(v2628)      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    | .60245 | 1.8350 | 1.6609 | 1.5880 | .58879 | 211.90 | .29782 |
| Stddev | .00219 | .0090  | .0079  | .0055  | .00221 | .15    | .00132 |
| %RSD   | .36322 | .49265 | .47448 | .34601 | .37489 | .07300 | .44358 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .60091 | 1.8286 | 1.6553 | 1.5842 | .58723 | 212.00 | .29688 |
| #2 | .60400 | 1.8414 | 1.6665 | 1.5919 | .59035 | 211.79 | .29875 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17966 | .21000 | 1127.0 | .83048 | .35063 | .15317 | 379.62 |
| Stddev | .00036 | .00009 | 30.9   | .00668 | .00214 | .00086 | 5.11   |
| %RSD   | .19797 | .04212 | 2.7403 | .80484 | .60972 | .56271 | 1.3451 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17940 | .21006 | 1105.1 | .82576 | .34912 | .15378 | 376.01 |
| #2 | .17991 | .20994 | 1148.8 | .83521 | .35215 | .15256 | 383.23 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.2179 | 136.62 | .95116 | .06111 | 218.01 | .89023 | 9.0584 |
| Stddev | .0022  | 1.00   | .00640 | .00085 | 4.10   | .00890 | .1677  |
| %RSD   | .04302 | .73288 | .67273 | 1.3902 | 1.8787 | .99994 | 1.8510 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.2163 | 135.91 | .94664 | .06050 | 215.12 | .88393 | 8.9399 |
| #2 | 5.2194 | 137.32 | .95569 | .06171 | 220.91 | .89652 | 9.1770 |

|        |        |        |        |          |          |         |        |
|--------|--------|--------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 76.584 | .28476 | 1.4647 | F 2094.8 | F 278.55 | -.06122 | 3.6444 |
| Stddev | .273   | .00078 | .0209  | 5.3      | 4.05     | .00859  | .0253  |
| %RSD   | .35610 | .27422 | 1.4279 | .25498   | 1.4530   | 14.036  | .69381 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 76.391 | .28421 | 1.4499 | 2098.6 | 275.69 | -.06730 | 3.6266 |
| #2 | 76.777 | .28531 | 1.4795 | 2091.0 | 281.42 | -.05515 | 3.6623 |

Sample Name: J5993-10MS      Acquired: 12/4/2018 17:55:38      Type: Unk  
 Method: P4-ICP2(v2628)      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    | .43171 | F 36.21 | 9.4824 | <.00000 | F<.00000 |
| Stddev | .00521 | .12     | .0928  | .31042  | 3.0228   |
| %RSD   | 1.2064 | .3305   | .97841 | 15.275  | 2.4450   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .42802 | 36.13 | 9.4168 | -2.2517 | -121.49 |
| #2 | .43539 | 36.30 | 9.5480 | -1.8127 | -125.77 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4204.1 | 73183. | 5117.4 | 71.700 | 2605.1 |
| Stddev    | .3     | 176.   | 38.2   | 1.120  | 2.5    |
| %RSD      | .00825 | .24001 | .74674 | 1.5620 | .09776 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4203.8 | 73307. | 5144.4 | 72.492 | 2606.9 |
| #2 | 4204.3 | 73059. | 5090.4 | 70.908 | 2603.3 |

Sample Name: J5993-10MSD      Acquired: 12/4/2018 18:00:05      Type: Unk  
Method: P4-ICP2(v2628)      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    | .60371 | 1.8525 | 1.6774 | 1.5971 | .59075 | 213.23 | .29792 |
| Stddev | .00317 | .0055  | .0036  | .0129  | .00276 | 1.51   | .00155 |
| %RSD   | .52575 | .29912 | .21548 | .80795 | .46803 | .70674 | .52113 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .60595 | 1.8565 | 1.6749 | 1.6062 | .59270 | 212.16 | .29902 |
| #2 | .60146 | 1.8486 | 1.6800 | 1.5880 | .58879 | 214.29 | .29682 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18166 | .21283 | 1130.3 | .83735 | .35424 | .15378 | 380.48 |
| Stddev | .00052 | .00008 | 10.4   | .00754 | .00024 | .00004 | 2.23   |
| %RSD   | .28825 | .03791 | .91580 | .90042 | .06651 | .02367 | .58738 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18129 | .21289 | 1123.0 | .83202 | .35441 | .15376 | 382.06 |
| #2 | .18203 | .21278 | 1137.7 | .84268 | .35407 | .15381 | 378.89 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.3025 | 136.73 | .95769 | .06150 | 217.30 | .89278 | 9.0636 |
| Stddev | .0198  | .27    | .00025 | .00059 | 2.43   | .00292 | .1073  |
| %RSD   | .37390 | .19943 | .02619 | .95664 | 1.1182 | .32657 | 1.1834 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.2885 | 136.54 | .95787 | .06108 | 219.02 | .89072 | 9.1394 |
| #2 | 5.3166 | 136.93 | .95751 | .06191 | 215.58 | .89484 | 8.9877 |

|        |        |        |        |          |          |         |        |
|--------|--------|--------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 76.607 | .28750 | 1.4890 | F 2108.6 | F 281.68 | -.06020 | 3.6571 |
| Stddev | .349   | .00077 | .0002  | 6.0      | 1.76     | .00175  | .0010  |
| %RSD   | .45517 | .26663 | .01197 | .28290   | .62395   | 2.9118  | .02727 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 76.853 | .28804 | 1.4888 | 2104.4 | 282.92 | -.05896 | 3.6578 |
| #2 | 76.360 | .28695 | 1.4891 | 2112.8 | 280.44 | -.06144 | 3.6564 |

Sample Name: J5993-10MSD      Acquired: 12/4/2018 18:00:05      Type: Unk  
 Method: P4-ICP2(v2628)      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    | .43351 | F 36.47 | 9.4735 | <.00000 | F<.00000 |
| Stddev | .00195 | .04     | .0155  | .09470  | .53209   |
| %RSD   | .44937 | .1199   | .16358 | 4.8271  | .43544   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .43213 | 36.44 | 9.4625 | -2.0288 | -122.57 |
| #2 | .43488 | 36.50 | 9.4845 | -1.8949 | -121.82 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4170.1 | 72738. | 5098.8 | 71.551 | 2582.1 |
| Stddev    | 1.1    | 252.   | 35.2   | .804   | 8.2    |
| %RSD      | .02559 | .34600 | .68980 | 1.1235 | .31722 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4169.3 | 72916. | 5073.9 | 70.983 | 2587.9 |
| #2 | 4170.8 | 72560. | 5123.7 | 72.120 | 2576.3 |

Sample Name: J5993-10A      Acquired: 12/4/2018 18:04:32      Type: Unk  
Method: P4-ICP2(v2628)      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    | .59465 | 1.8400 | 1.6624 | 1.5782 | .58646 | 211.60 | .29808 |
| Stddev | .00051 | .0126  | .0135  | .0103  | .00338 | .51    | .00283 |
| %RSD   | .08653 | .68229 | .81209 | .65303 | .57712 | .24147 | .94808 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .59501 | 1.8489 | 1.6719 | 1.5855 | .58885 | 211.96 | .30007 |
| #2 | .59428 | 1.8312 | 1.6528 | 1.5709 | .58407 | 211.23 | .29608 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18070 | .20951 | 1128.3 | .83439 | .35023 | .15150 | 380.05 |
| Stddev | .00053 | .00190 | 12.8   | .00518 | .00216 | .00177 | 6.90   |
| %RSD   | .29181 | .90538 | 1.1345 | .62057 | .61791 | 1.1664 | 1.8147 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18107 | .21085 | 1137.4 | .83073 | .35176 | .15275 | 375.17 |
| #2 | .18033 | .20817 | 1119.3 | .83805 | .34870 | .15025 | 384.93 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.2390 | 136.88 | .94687 | .06095 | 217.30 | .89342 | 9.0353 |
| Stddev | .0162  | .54    | .00545 | .00050 | .24    | .00254 | .1189  |
| %RSD   | .30968 | .39544 | .57540 | .81618 | .10962 | .28405 | 1.3157 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.2504 | 137.26 | .95073 | .06059 | 217.46 | .89163 | 8.9513 |
| #2 | 5.2275 | 136.50 | .94302 | .06130 | 217.13 | .89521 | 9.1194 |

|        |        |        |        |          |          |         |        |
|--------|--------|--------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 76.648 | .28616 | 1.4846 | F 2092.3 | F 281.65 | -.06332 | 3.6592 |
| Stddev | .379   | .00087 | .0054  | 15.3     | 1.39     | .00874  | .0091  |
| %RSD   | .49472 | .30451 | .36272 | .73283   | .49186   | 13.797  | .24980 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 76.916 | .28677 | 1.4808 | 2103.2 | 282.63 | -.06950 | 3.6656 |
| #2 | 76.380 | .28554 | 1.4884 | 2081.5 | 280.67 | -.05715 | 3.6527 |



Sample Name: J5993-10A      Acquired: 12/4/2018 18:04:32      Type: Unk  
Method: P4-ICP2(v2628)      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    | .43316 | F 36.05 | 9.4630 | <.00000 | F<.00000 |
| Stddev | .00235 | .27     | .0750  | .00583  | 2.2518   |
| %RSD   | .54177 | .7621   | .79296 | .31992  | 1.8687   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .43150 | 36.25 | 9.5160 | -1.8253 | -118.91 |
| #2 | .43482 | 35.86 | 9.4099 | -1.8171 | -122.09 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4189.8 | 72991. | 5077.0 | 71.378 | 2597.3 |
| Stddev    | 15.3   | 290.   | 36.5   | 1.017  | 15.9   |
| %RSD      | .36504 | .39769 | .71976 | 1.4253 | .61256 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4179.0 | 72786. | 5051.1 | 72.097 | 2586.1 |
| #2 | 4200.6 | 73196. | 5102.8 | 70.659 | 2608.6 |

Sample Name: J5993-11      Acquired: 12/4/2018 18:09:00      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.01827 | -.03245 | .22585 | .14379 | -.00508 | 214.86 | .11793 | .02513 |
| Stddev | .00094  | .00047  | .00104 | .00378 | .00100  | .31    | .00152 | .00023 |
| %RSD   | 5.1591  | 1.4389  | .46115 | 2.6310 | 19.780  | .14434 | 1.2915 | .93258 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.01760 | -.03212 | .22511 | .14647 | -.00437 | 215.07 | .11685 | .02496 |
| #2 | -.01893 | -.03278 | .22658 | .14112 | -.00579 | 214.64 | .11901 | .02530 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00254 | 1038.3 | 1.3469 | .17326 | -.09353 | 715.68 | 6.0479 | 126.57 |
| Stddev | .00046  | 11.1   | .0018  | .00024 | .00115  | 6.68   | .0052  | 1.03   |
| %RSD   | 18.134  | 1.0699 | .13055 | .13898 | 1.2322  | .93311 | .08522 | .81049 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00222 | 1030.5 | 1.3481 | .17343 | -.09271 | 710.96 | 6.0442 | 125.84 |
| #2 | -.00287 | 1046.2 | 1.3457 | .17308 | -.09434 | 720.40 | 6.0515 | 127.29 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .66713 | .02039 | 182.42 | .89295 | 11.394 | 66.509 | -.00548 | 1.4798 |
| Stddev | .00169 | .00130 | 3.03   | .00297 | .102   | .857   | .00028  | .0204  |
| %RSD   | .25262 | 6.3518 | 1.6614 | .33300 | .89725 | 1.2887 | 5.1194  | 1.3817 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .66833 | .01948 | 180.28 | .89505 | 11.321 | 65.903 | -.00567 | 1.4653 |
| #2 | .66594 | .02131 | 184.56 | .89085 | 11.466 | 67.115 | -.00528 | 1.4942 |

|        |          |          |         |        |        |         |        |         |
|--------|----------|----------|---------|--------|--------|---------|--------|---------|
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | F 2305.3 | F 244.13 | -.84087 | 2.9005 | .28801 | F 61.92 | 7.7161 | <.00000 |
| Stddev | 9.5      | 3.18     | .00195  | .0153  | .00262 | .11     | .1391  | .22547  |
| %RSD   | .41294   | 1.3038   | .23155  | .52593 | .90802 | .1837   | 1.8025 | 3.5416  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | 2298.5 | 241.88 | -.83950 | 2.8897 | .28616 | 61.83 | 7.6177 | -6.2069 |
| #2 | 2312.0 | 246.38 | -.84225 | 2.9113 | .28986 | 62.00 | 7.8144 | -6.5257 |

Sample Name: J5993-11      Acquired: 12/4/2018 18:09:00      Type: Unk  
 Method: P4-ICP2(v2628)      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      ^ ----

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4537.5 | 80264. | 5616.3 | 67.974 | 2474.9 |
| Stddev    | .3     | 371.   | 42.1   | .576   | 6.1    |
| %RSD      | .00691 | .46220 | .74881 | .84707 | .24576 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4537.3 | 80002. | 5646.0 | 68.381 | 2479.2 |
| #2 | 4537.7 | 80526. | 5586.6 | 67.567 | 2470.6 |

Sample Name: J5993-12      Acquired: 12/4/2018 18:13:32      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.01617  | -.03220  | .13822  | .14376 | -.00668 | 204.66  | .09848  | .02445  |
| Stddev | .00106   | .00044   | .00434  | .01419 | .00115  | .80     | .00079  | .00015  |
| %RSD   | 6.5803   | 1.3737   | 3.1418  | 9.8731 | 17.230  | .39198  | .79876  | .60483  |
| #1     | -.01542  | -.03251  | .14129  | .13372 | -.00750 | 205.23  | .09904  | .02455  |
| #2     | -.01692  | -.03188  | .13515  | .15380 | -.00587 | 204.09  | .09792  | .02434  |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286 | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00168  | 1037.6   | 1.1853  | .17244 | -.09217 | 721.68  | 5.6041  | 123.91  |
| Stddev | .00350   | 12.6     | .0057   | .00064 | .00621  | 28.08   | .0352   | .47     |
| %RSD   | 207.91   | 1.2163   | .48107  | .36848 | 6.7381  | 3.8915  | .62841  | .38019  |
| #1     | .00079   | 1028.7   | 1.1894  | .17289 | -.08777 | 701.82  | 5.6290  | 123.57  |
| #2     | -.00416  | 1046.5   | 1.1813  | .17199 | -.09656 | 741.54  | 5.5792  | 124.24  |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924 | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .70823   | .01940   | 188.25  | .92886 | 11.319  | 64.565  | -.00570 | 1.5103  |
| Stddev | .00528   | .00376   | .49     | .00507 | .414    | .114    | .00012  | .0484   |
| %RSD   | .74527   | 19.357   | .26076  | .54606 | 3.6582  | .17709  | 2.0887  | 3.2063  |
| #1     | .71197   | .01675   | 188.59  | .93244 | 11.026  | 64.484  | -.00562 | 1.4761  |
| #2     | .70450   | .02206   | 187.90  | .92527 | 11.612  | 64.646  | -.00578 | 1.5446  |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361 | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | F 2346.5 | F 227.58 | -.86366 | 2.8691 | .27980  | F 64.95 | 7.3088  | <.00000 |
| Stddev | .1       | .55      | .00004  | .0020  | .00364  | .16     | .0509   | .20112  |
| %RSD   | .00585   | .24190   | .00515  | .06961 | 1.3012  | .2392   | .69645  | 2.8797  |
| #1     | 2346.6   | 227.19   | -.86370 | 2.8677 | .27722  | 65.06   | 7.3448  | -6.8419 |
| #2     | 2346.4   | 227.97   | -.86363 | 2.8705 | .28237  | 64.84   | 7.2729  | -7.1263 |

Sample Name: J5993-12      Acquired: 12/4/2018 18:13:32      Type: Unk  
 Method: P4-ICP2(v2628)      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      ^ ----

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4559.7 | 80791. | 5600.5 | 69.424 | 2479.8 |
| Stddev    | 1.4    | 452.   | 12.4   | 2.579  | 6.1    |
| %RSD      | .03152 | .55918 | .22071 | 3.7153 | .24697 |
| #1        | 4558.7 | 80471. | 5591.7 | 71.248 | 2475.5 |
| #2        | 4560.7 | 81110. | 5609.2 | 67.600 | 2484.2 |

Sample Name: CCV04      Acquired: 12/4/2018 18:18:02      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14267      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8177 | 4.7885 | 4.8686 | 4.7108 | 4.8056 | 9.1018 | 9.5890 | .23867   |
| Stddev | .0076  | .0058  | .0106  | .0059  | .0058  | .0227  | .0084  | .00073   |
| %RSD   | .15706 | .12022 | .21780 | .12458 | .12134 | .24945 | .08757 | .30786   |
| #1     | 4.8230 | 4.7844 | 4.8611 | 4.7149 | 4.8097 | 9.1179 | 9.5831 | .23919   |
| #2     | 4.8123 | 4.7925 | 4.8761 | 4.7066 | 4.8014 | 9.0858 | 9.5949 | .23815   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4031 | 24.099 | .95818 | 2.4113 | 1.2030 | 4.8148 | 2.4242 | 24.575   |
| Stddev | .0023  | .104   | .00029 | .0018  | .0010  | .0057  | .0030  | .147     |
| %RSD   | .09719 | .43189 | .03076 | .07386 | .08411 | .11796 | .12487 | .59745   |
| #1     | 2.4015 | 24.025 | .95839 | 2.4100 | 1.2022 | 4.8108 | 2.4263 | 24.471   |
| #2     | 2.4048 | 24.172 | .95797 | 2.4125 | 1.2037 | 4.8188 | 2.4220 | 24.678   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3791 | 1.1875 | 24.023 | 2.4008 | 2.5312 | 24.194 | 4.9024 | 4.7069   |
| Stddev | .0027  | .0050  | .003   | .0018  | .0266  | .138   | .0010  | .0125    |
| %RSD   | .11207 | .42032 | .01319 | .07411 | 1.0492 | .57184 | .01994 | .26604   |
| #1     | 2.3772 | 1.1911 | 24.021 | 2.3996 | 2.5124 | 24.096 | 4.9030 | 4.6981   |
| #2     | 2.3809 | 1.1840 | 24.025 | 2.4021 | 2.5499 | 24.292 | 4.9017 | 4.7158   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.2273 | 5.0359 | 4.8358 | 4.8550 | 4.7438 | 4.714  | 4.8199 | F 1.4161 |
| Stddev | .0369  | .0171  | .0020  | .0029  | .0057  | .009   | .0026  | .2463    |
| %RSD   | .70602 | .33933 | .04093 | .05900 | .11961 | .1876  | .05486 | 17.392   |
| #1     | 5.2534 | 5.0238 | 4.8344 | 4.8529 | 4.7398 | 4.721  | 4.8218 | 1.5902   |
| #2     | 5.2012 | 5.0480 | 4.8372 | 4.8570 | 4.7478 | 4.708  | 4.8180 | 1.2419   |

Sample Name: CCV04      Acquired: 12/4/2018 18:18:02      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14267      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 4.1596 |
| Stddev | .2563    |
| %RSD   | 6.1607   |

|    |        |
|----|--------|
| #1 | 4.3408 |
| #2 | 3.9784 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3706.7 | 64174. | 3951.5 | 87.191 | 3619.1 |
| Stddev    | 11.3   | 37.    | 25.5   | .688   | 6.9    |
| %RSD      | .30466 | .05706 | .64485 | .78906 | .19091 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3698.7 | 64149. | 3969.5 | 87.677 | 3614.2 |
| #2 | 3714.7 | 64200. | 3933.5 | 86.704 | 3624.0 |

Sample Name: CCB04      Acquired: 12/4/2018 18:21:46      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14267      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |          |        |        |         |        |
|--------|--------|---------|----------|--------|--------|---------|--------|
| Elem   | As1890 | Tl1908  | Pb2203   | Se1960 | Sb2068 | Al3961  | Ba4934 |
| Units  | ppm    | ppm     | ppm      | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00062 | -.00025 | F .00396 | .00241 | .00057 | -.00442 | .00027 |
| Stddev | .00105 | .00072  | .00018   | .00233 | .00091 | .01546  | .00079 |
| %RSD   | 169.86 | 290.54  | 4.4433   | 96.743 | 160.75 | 349.96  | 294.90 |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00012 | -.00075 | .00384 | .00076 | -.00008 | .00652  | .00083  |
| #2 | .00136  | .00026  | .00409 | .00406 | .00121  | -.01535 | -.00029 |

|        |         |        |        |        |         |         |        |
|--------|---------|--------|--------|--------|---------|---------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00002 | .00002 | .00524 | .00020 | -.00006 | -.00016 | .00656 |
| Stddev | .00001  | .00003 | .00257 | .00048 | .00013  | .00006  | .00933 |
| %RSD   | 59.371  | 192.70 | 49.036 | 234.80 | 211.37  | 41.088  | 142.22 |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00003 | -.00001 | .00343 | -.00013 | .00003  | -.00011 | -.00004 |
| #2 | -.00001 | .00004  | .00706 | .00054  | -.00015 | -.00020 | .01315  |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00005 | .02749 | .00000 | .00009 | .01940 | .00014 | -.00045 |
| Stddev | .00004 | .04234 | .00004 | .00070 | .01421 | .00026 | .00003  |
| %RSD   | 83.770 | 154.00 | 2436.7 | 784.78 | 73.242 | 191.89 | 6.1868  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00008 | -.00244 | -.00003 | .00059  | .00935 | -.00005 | -.00047 |
| #2 | .00002 | .05743  | .00003  | -.00041 | .02944 | .00032  | -.00043 |

|        |        |        |         |          |        |         |        |
|--------|--------|--------|---------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm     | ppm    |
| Avg    | .01148 | .00004 | -.00595 | F .30230 | .01850 | -.00220 | .00130 |
| Stddev | .08966 | .00003 | .00252  | .01060   | .00402 | .00021  | .00167 |
| %RSD   | 781.28 | 67.454 | 42.269  | 3.5052   | 21.729 | 9.7084  | 128.29 |

|    |         |        |         |        |        |         |        |
|----|---------|--------|---------|--------|--------|---------|--------|
| #1 | -.05192 | .00006 | -.00417 | .30979 | .02134 | -.00205 | .00012 |
| #2 | .07488  | .00002 | -.00773 | .29481 | .01566 | -.00235 | .00249 |



Sample Name: CCB04      Acquired: 12/4/2018 18:21:46      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14267      Custom ID2:      Custom ID3:  
 Comment:

|        |          |        |        |          |          |
|--------|----------|--------|--------|----------|----------|
| Elem   | Li6707   | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm      |
| Avg    | -0.00177 | .0002  | .00006 | F<.00000 | F .43541 |
| Stddev | .00316   | .0008  | .00002 | .07975   | .10105   |
| %RSD   | 178.27   | 418.7  | 23.963 | 6.8933   | 23.207   |

|    |         |        |        |         |        |
|----|---------|--------|--------|---------|--------|
| #1 | .00046  | -.0004 | .00005 | -1.2134 | .50686 |
| #2 | -.00400 | .0007  | .00007 | -1.1006 | .36396 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3846.8 | 67634. | 3979.7 | 90.775 | 4156.9 |
| Stddev    | 3.9    | 129.   | 9.5    | .684   | 3.7    |
| %RSD      | .10247 | .19062 | .23954 | .75300 | .08823 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3844.0 | 67543. | 3972.9 | 91.258 | 4154.3 |
| #2 | 3849.6 | 67725. | 3986.4 | 90.292 | 4159.4 |

Sample Name: PB115262BL      Acquired: 12/4/2018 18:25:49      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00080 | .00035 | .00208 | .00377 | -.00150 | .00175 | .00044 |
| Stddev | .00062  | .00083 | .00019 | .00302 | .00213  | .00456 | .00005 |
| %RSD   | 76.838  | 235.78 | 9.1540 | 80.221 | 141.88  | 259.88 | 12.055 |

|    |         |         |        |        |         |         |        |
|----|---------|---------|--------|--------|---------|---------|--------|
| #1 | -.00124 | .00094  | .00221 | .00590 | -.00301 | .00498  | .00048 |
| #2 | -.00037 | -.00024 | .00194 | .00163 | .00000  | -.00147 | .00040 |

|        |         |         |         |        |         |         |         |
|--------|---------|---------|---------|--------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00003 | -.00004 | -.01876 | .00003 | -.00017 | -.00006 | -.00265 |
| Stddev | .00011  | .00004  | .00372  | .00036 | .00007  | .00070  | .00439  |
| %RSD   | 418.84  | 91.491  | 19.798  | 1241.1 | 42.863  | 1084.5  | 165.28  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00005  | -.00007 | -.01614 | .00028  | -.00022 | -.00056 | .00045  |
| #2 | -.00010 | -.00002 | -.02139 | -.00022 | -.00012 | .00043  | -.00575 |

|        |        |        |         |         |         |         |         |
|--------|--------|--------|---------|---------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00011 | .04547 | -.00001 | -.00014 | -.01245 | -.00022 | -.00040 |
| Stddev | .00001 | .00878 | .00012  | .00032  | .00735  | .00026  | .00000  |
| %RSD   | 11.290 | 19.307 | 774.78  | 224.75  | 59.075  | 120.47  | .43931  |

|    |        |        |         |         |         |         |         |
|----|--------|--------|---------|---------|---------|---------|---------|
| #1 | .00010 | .05168 | .00007  | -.00037 | -.01765 | -.00040 | -.00040 |
| #2 | .00012 | .03926 | -.00010 | .00008  | -.00725 | -.00003 | -.00040 |

|        |         |         |         |          |        |         |        |
|--------|---------|---------|---------|----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm    | ppm     | ppm    |
| Avg    | -.02519 | -.00043 | -.01394 | F .24075 | .01026 | -.00285 | .00105 |
| Stddev | .01831  | .00021  | .00904  | .00624   | .00096 | .00038  | .00034 |
| %RSD   | 72.701  | 49.722  | 64.853  | 2.5926   | 9.3086 | 13.411  | 32.197 |

|    |         |         |         |        |        |         |        |
|----|---------|---------|---------|--------|--------|---------|--------|
| #1 | -.01224 | -.00028 | -.02033 | .24517 | .01094 | -.00312 | .00081 |
| #2 | -.03814 | -.00058 | -.00755 | .23634 | .00959 | -.00258 | .00128 |

Sample Name: PB115262BL      Acquired: 12/4/2018 18:25:49      Type: Unk  
Method: P4-ICP2(v2628)      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    | -0.00354 | -0.0013 | .00007 | F<.00000 | F 1.5613 |
| Stddev | .00080   | .0003   | .00000 | .38148   | .7199    |
| %RSD   | 22.449   | 25.37   | .41254 | 44.860   | 46.106   |

|    |          |         |        |          |        |
|----|----------|---------|--------|----------|--------|
| #1 | -0.00411 | -0.0011 | .00007 | -0.58063 | 1.0523 |
| #2 | -0.00298 | -0.0016 | .00008 | -1.1201  | 2.0703 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3853.2 | 67272. | 3985.3 | 90.367 | 4150.7 |
| Stddev    | 3.0    | 114.   | 37.9   | 1.108  | 11.9   |
| %RSD      | .07675 | .16878 | .95005 | 1.2259 | .28754 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3851.1 | 67192. | 3958.5 | 89.583 | 4142.3 |
| #2 | 3855.3 | 67353. | 4012.1 | 91.150 | 4159.2 |

Sample Name: PB115262BS      Acquired: 12/4/2018 18:31:34      Type: Unk  
Method: P4-ICP2(v2628)      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    | .71918 | 1.8399 | .91852 | 1.7390 | .76502 | 1.7806 | .20187 |
| Stddev | .00556 | .0009  | .00267 | .0014  | .00010 | .0030  | .00202 |
| %RSD   | .77277 | .04830 | .29117 | .08123 | .01341 | .16811 | 1.0010 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .71525 | 1.8393 | .91663 | 1.7400 | .76510 | 1.7827 | .20329 |
| #2 | .72311 | 1.8405 | .92041 | 1.7380 | .76495 | 1.7785 | .20044 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17825 | .17686 | 1.0597 | .39481 | .18938 | .30051 | 2.9999 |
| Stddev | .00035 | .00026 | .0266  | .00174 | .00014 | .00061 | .0210  |
| %RSD   | .19532 | .14786 | 2.5137 | .43957 | .07538 | .20329 | .69920 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17850 | .17668 | 1.0409 | .39604 | .18928 | .30007 | 2.9850 |
| #2 | .17800 | .17705 | 1.0786 | .39359 | .18948 | .30094 | 3.0147 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20220 | 2.0834 | .46328 | .06429 | 3.0200 | .29259 | .20385 |
| Stddev | .00034 | .0105  | .00127 | .00035 | .0126  | .00117 | .00168 |
| %RSD   | .16821 | .50569 | .27451 | .53690 | .41686 | .39979 | .82282 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20244 | 2.0760 | .46238 | .06454 | 3.0289 | .29342 | .20267 |
| #2 | .20196 | 2.0909 | .46418 | .06405 | 3.0111 | .29176 | .20504 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.8694 | .41613 | .28364 | F .65725 | 1.0037 | .65915 | .20471 |
| Stddev | .0722  | .00032 | .01704 | .00265   | .0064  | .00024 | .00114 |
| %RSD   | .73174 | .07798 | 6.0094 | .40328   | .63851 | .03618 | .55831 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.9205 | .41590 | .29569 | .65912 | .99916 | .65898 | .20552 |
| #2 | 9.8183 | .41636 | .27159 | .65537 | 1.0082 | .65932 | .20390 |

Sample Name: PB115262BS      Acquired: 12/4/2018 18:31:34      Type: Unk  
 Method: P4-ICP2(v2628)      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    | .19648 | 4.859  | .19934 | F .35701 | F<.00000 |
| Stddev | .00132 | .005   | .00101 | .16526   | 1.0257   |
| %RSD   | .67052 | .0951  | .50796 | 46.290   | 52.063   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .19741 | 4.856 | .20006 | .47386 | -1.2448 |
| #2 | .19555 | 4.862 | .19863 | .24015 | -2.6953 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3694.5 | 65501. | 3822.3 | 87.300 | 3913.8 |
| Stddev    | 1.4    | 147.   | 1.5    | .695   | 1.9    |
| %RSD      | .03817 | .22406 | .03919 | .79647 | .04889 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3693.5 | 65398. | 3823.3 | 87.792 | 3912.4 |
| #2 | 3695.5 | 65605. | 3821.2 | 86.808 | 3915.1 |

Sample Name: J6153-01      Acquired: 12/4/2018 18:35:21      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-F      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |         |        |         |
|--------|--------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00790 | -.00669 | .01101 | .00301 | -.00120 | -.09866 | .24063 | -.00002 |
| Stddev | .00112 | .00024  | .00007 | .00162 | .00083  | .01401  | .00151 | .00006  |
| %RSD   | 14.159 | 3.5911  | .59809 | 53.766 | 69.600  | 14.202  | .62897 | 257.77  |

|    |        |         |        |        |         |         |        |         |
|----|--------|---------|--------|--------|---------|---------|--------|---------|
| #1 | .00869 | -.00652 | .01096 | .00415 | -.00178 | -.10856 | .23955 | .00002  |
| #2 | .00711 | -.00686 | .01106 | .00186 | -.00061 | -.08875 | .24170 | -.00006 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00045 | 300.85 | -.00433 | -.00010 | .00391 | .09752 | .13920 | 952.67 |
| Stddev | .00010  | 2.14   | .00038  | .00034  | .00073 | .00076 | .00003 | 8.80   |
| %RSD   | 23.235  | .71082 | 8.6946  | 343.01  | 18.720 | .77754 | .02512 | .92386 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00038 | 299.34 | -.00406 | -.00034 | .00339 | .09699 | .13917 | 946.44 |
| #2 | -.00052 | 302.36 | -.00459 | .00014  | .00443 | .09806 | .13922 | 958.89 |

|        |         |        |          |        |        |        |        |        |
|--------|---------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895   | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01242 | .00013 | F 2869.6 | .00056 | .03180 | 323.77 | .01793 | 3.0029 |
| Stddev | .00024  | .00001 | 13.9     | .00072 | .00045 | 1.24   | .00014 | .0020  |
| %RSD   | 1.9504  | 4.2800 | .48317   | 129.21 | 1.4257 | .38216 | .77591 | .06657 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.01225 | .00014 | 2859.8 | .00005 | .03212 | 322.90 | .01783 | 3.0015 |
| #2 | -.01259 | .00013 | 2879.4 | .00107 | .03148 | 324.65 | .01802 | 3.0043 |

|        |          |        |         |         |        |        |        |        |
|--------|----------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 903.95 | 1.0563 | -.34056 | -.00826 | .25397 | .1439  | 6.0323 | 12.074 |
| Stddev | 1.35     | .0088  | .00199  | .00238  | .01506 | .0001  | .0400  | .179   |
| %RSD   | .14938   | .83000 | .58413  | 28.789  | 5.9295 | .0661  | .66307 | 1.4823 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 904.91 | 1.0501 | -.34197 | -.00994 | .24332 | .1438 | 6.0040 | 11.947 |
| #2 | 903.00 | 1.0625 | -.33916 | -.00658 | .26462 | .1439 | 6.0606 | 12.200 |

Sample Name: J6153-01      Acquired: 12/4/2018 18:35:21      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-F      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 7.4792 |
| Stddev | .1406  |
| %RSD   | 1.8802 |

|    |        |
|----|--------|
| #1 | 7.3797 |
| #2 | 7.5786 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2448.8 | 41032. | 3257.2 | 70.594 | 2156.2 |
| Stddev    | 5.6    | 74.    | 20.5   | 1.051  | 5.6    |
| %RSD      | .22708 | .18052 | .62796 | 1.4885 | .26050 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2444.9 | 41084. | 3271.7 | 69.851 | 2152.2 |
| #2 | 2452.8 | 40979. | 3242.8 | 71.337 | 2160.2 |

Sample Name: J6153-02      Acquired: 12/4/2018 18:39:28      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-G      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |         |        |         |        |         |
|--------|----------|---------|----------|---------|--------|---------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203   | Se1960  | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00048  | -.00746 | .00844   | .00458  | .00245 | -.09372 | .24922 | -.00002 |
| Stddev | .00046   | .00149  | .00022   | .00026  | .00091 | .01106  | .00719 | .00002  |
| %RSD   | 95.428   | 19.951  | 2.6069   | 5.5991  | 37.226 | 11.804  | 2.8869 | 66.176  |
| #1     | -.00016  | -.00641 | .00860   | .00476  | .00310 | -.08590 | .24413 | -.00001 |
| #2     | -.00081  | -.00852 | .00828   | .00440  | .00181 | -.10155 | .25431 | -.00003 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00038  | 314.87  | -.00288  | -.00049 | .00414 | .02900  | .08419 | 831.50  |
| Stddev | .00009   | 3.57    | .00022   | .00008  | .00075 | .01075  | .00047 | 13.11   |
| %RSD   | 23.033   | 1.1326  | 7.4952   | 15.553  | 18.210 | 37.081  | .56394 | 1.5768  |
| #1     | -.00031  | 312.35  | -.00303  | -.00054 | .00467 | .02140  | .08453 | 822.23  |
| #2     | -.00044  | 317.39  | -.00272  | -.00044 | .00361 | .03660  | .08386 | 840.77  |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.01161  | .00065  | F 2537.9 | .00306  | .12387 | 282.68  | .01184 | 2.4132  |
| Stddev | .00052   | .00036  | 80.0     | .00062  | .00392 | 3.60    | .00022 | .0613   |
| %RSD   | 4.4648   | 55.615  | 3.1523   | 20.326  | 3.1678 | 1.2743  | 1.8811 | 2.5394  |
| #1     | -.01198  | .00091  | 2481.4   | .00262  | .12109 | 280.13  | .01168 | 2.3698  |
| #2     | -.01125  | .00040  | 2594.5   | .00350  | .12664 | 285.22  | .01200 | 2.4565  |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | F 739.16 | 3.8384  | -.27722  | -.00697 | .21370 | .4329   | 5.1491 | 11.460  |
| Stddev | 4.04     | .0256   | .00069   | .00224  | .01215 | .0012   | .0533  | .162    |
| %RSD   | .54663   | .66755  | .24748   | 32.105  | 5.6853 | .2709   | 1.0350 | 1.4156  |
| #1     | 736.30   | 3.8203  | -.27673  | -.00855 | .20511 | .4321   | 5.1115 | 11.575  |
| #2     | 742.02   | 3.8566  | -.27770  | -.00539 | .22229 | .4338   | 5.1868 | 11.346  |



Sample Name: J6153-02      Acquired: 12/4/2018 18:39:28      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-G      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 8.2726 |
| Stddev | 2.0150 |
| %RSD   | 24.358 |

|    |        |
|----|--------|
| #1 | 9.6974 |
| #2 | 6.8477 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2506.3 | 41885. | 3327.1 | 71.442 | 2213.2 |
| Stddev    | 4.3    | 110.   | 21.5   | 2.170  | 1.9    |
| %RSD      | .17139 | .26312 | .64589 | 3.0380 | .08730 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2509.3 | 41807. | 3342.3 | 72.977 | 2214.6 |
| #2 | 2503.2 | 41963. | 3311.9 | 69.907 | 2211.9 |

Sample Name: J6153-03      Acquired: 12/4/2018 18:43:34      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-J      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |         |         |        |        |         |
|--------|----------|---------|----------|---------|---------|--------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00898   | -.00541 | .00815   | .00802  | .00075  | .01804 | .26719 | -.00005 |
| Stddev | .00364   | .00267  | .00110   | .00160  | .00200  | .01961 | .00371 | .00002  |
| %RSD   | 40.510   | 49.379  | 13.478   | 20.024  | 268.15  | 108.75 | 1.3887 | 41.879  |
| #1     | .00641   | -.00730 | .00737   | .00915  | .00217  | .00417 | .26981 | -.00004 |
| #2     | .01155   | -.00352 | .00892   | .00688  | -.00067 | .03191 | .26456 | -.00007 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00031  | 191.85  | .00224   | -.00056 | .00511  | .57705 | .20148 | 472.63  |
| Stddev | .00002   | 2.28    | .00023   | .00005  | .00023  | .00555 | .00120 | 7.79    |
| %RSD   | 7.7900   | 1.1881  | 10.258   | 8.3231  | 4.4787  | .96146 | .59587 | 1.6484  |
| #1     | -.00029  | 193.46  | .00207   | -.00053 | .00527  | .57312 | .20063 | 478.13  |
| #2     | -.00033  | 190.24  | .00240   | -.00060 | .00495  | .58097 | .20233 | 467.12  |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00678  | -.00029 | F 2133.1 | .00052  | .06155  | 238.92 | .01600 | 1.6331  |
| Stddev | .00081   | .00081  | 114.3    | .00056  | .00125  | 4.48   | .00022 | .0048   |
| %RSD   | 11.899   | 282.34  | 5.3560   | 107.57  | 2.0363  | 1.8731 | 1.3478 | .29492  |
| #1     | -.00735  | .00029  | 2213.9   | .00013  | .06243  | 242.08 | .01615 | 1.6366  |
| #2     | -.00621  | -.00086 | 2052.3   | .00092  | .06066  | 235.75 | .01585 | 1.6297  |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | F 424.98 | 4.6856  | -.16032  | -.00413 | .13484  | .2983  | 3.1236 | 9.4555  |
| Stddev | .99      | .1077   | .00015   | .00024  | .00245  | .0019  | .0477  | .1548   |
| %RSD   | .23320   | 2.2987  | .09566   | 5.8915  | 1.8155  | .6359  | 1.5284 | 1.6372  |
| #1     | 425.68   | 4.7618  | -.16043  | -.00431 | .13311  | .2969  | 3.1574 | 9.3460  |
| #2     | 424.28   | 4.6095  | -.16021  | -.00396 | .13657  | .2996  | 3.0899 | 9.5650  |

Sample Name: J6153-03      Acquired: 12/4/2018 18:43:34      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-J      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 6.9050 |
| Stddev | .0761  |
| %RSD   | 1.1015 |

|    |        |
|----|--------|
| #1 | 6.9588 |
| #2 | 6.8513 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2788.6 | 46251. | 3432.0 | 73.248 | 2524.3 |
| Stddev    | 8.8    | 68.    | 73.1   | 1.936  | 12.6   |
| %RSD      | .31591 | .14730 | 2.1298 | 2.6427 | .50051 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2782.4 | 46299. | 3380.4 | 71.879 | 2515.4 |
| #2 | 2794.8 | 46203. | 3483.7 | 74.616 | 2533.3 |

Sample Name: J6153-04      Acquired: 12/4/2018 18:47:41      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-H      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |         |        |         |        |        |
|--------|----------|---------|----------|---------|--------|---------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203   | Se1960  | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00420   | -.00782 | .02324   | .00155  | .00255 | -.03185 | .25788 | .00007 |
| Stddev | .00402   | .00186  | .00250   | .00114  | .00089 | .00655  | .00299 | .00006 |
| %RSD   | 95.620   | 23.820  | 10.766   | 73.753  | 34.834 | 20.575  | 1.1597 | 77.971 |
| #1     | .00704   | -.00650 | .02501   | .00235  | .00192 | -.02722 | .25577 | .00012 |
| #2     | .00136   | -.00913 | .02147   | .00074  | .00317 | -.03649 | .26000 | .00003 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00009  | 322.74  | -.00211  | .00009  | .02023 | 2.4994  | .37704 | 893.52 |
| Stddev | .00000   | 1.17    | .00013   | .00034  | .00004 | .0081   | .00135 | 3.34   |
| %RSD   | .14490   | .36298  | 6.3401   | 392.12  | .17485 | .32446  | .35885 | .37360 |
| #1     | -.00009  | 321.91  | -.00220  | .00033  | .02026 | 2.4936  | .37608 | 891.16 |
| #2     | -.00009  | 323.57  | -.00201  | -.00015 | .02021 | 2.5051  | .37799 | 895.88 |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138 | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00922  | .00062  | F 2582.0 | .00159  | .12887 | 327.93  | .02455 | 2.7772 |
| Stddev | .00007   | .00070  | 55.2     | .00058  | .00020 | 1.68    | .00041 | .0497  |
| %RSD   | .80585   | 113.20  | 2.1362   | 36.205  | .15709 | .51253  | 1.6558 | 1.7877 |
| #1     | -.00917  | .00111  | 2543.0   | .00118  | .12901 | 326.74  | .02484 | 2.7421 |
| #2     | -.00927  | .00012  | 2621.0   | .00200  | .12872 | 329.12  | .02426 | 2.8123 |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707 | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | F 821.79 | 2.9814  | -.30938  | -.00565 | .21554 | .3828   | 5.5546 | 11.892 |
| Stddev | 1.68     | .0014   | .00008   | .00188  | .00667 | .0021   | .0089  | .007   |
| %RSD   | .20459   | .04733  | .02733   | 33.336  | 3.0962 | .5513   | .16045 | .06102 |
| #1     | 822.98   | 2.9824  | -.30944  | -.00698 | .21082 | .3843   | 5.5483 | 11.887 |
| #2     | 820.60   | 2.9804  | -.30932  | -.00432 | .22026 | .3813   | 5.5609 | 11.897 |

Sample Name: J6153-04      Acquired: 12/4/2018 18:47:41      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-H      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 8.0668 |
| Stddev | .4174  |
| %RSD   | 5.1736 |

|    |        |
|----|--------|
| #1 | 8.3619 |
| #2 | 7.7717 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2472.0 | 41281. | 3277.0 | 68.961 | 2181.7 |
| Stddev    | 4.7    | 23.    | .3     | .132   | 3.8    |
| %RSD      | .18985 | .05502 | .00879 | .19129 | .17584 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2468.7 | 41265. | 3277.2 | 68.868 | 2179.0 |
| #2 | 2475.4 | 41297. | 3276.8 | 69.054 | 2184.4 |

Sample Name: J6153-05      Acquired: 12/4/2018 18:51:47      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-9.41      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .01308 | -.00215 | .00055 | .00251 | .00135 | .01293 | .02898 | -.00008 |
| Stddev | .00059 | .00000  | .00005 | .00121 | .00185 | .00410 | .00121 | .00005  |
| %RSD   | 4.5128 | .16186  | 8.7265 | 48.079 | 137.28 | 31.758 | 4.1819 | 63.184  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .01267 | -.00215 | .00058 | .00336 | .00266 | .01002 | .02983 | -.00005 |
| #2 | .01350 | -.00215 | .00051 | .00165 | .00004 | .01583 | .02812 | -.00012 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00017 | 38.896 | .00276 | -.00029 | .01338 | .20578 | .01048 | 17.266 |
| Stddev | .00002  | .047   | .00015 | .00019  | .00026 | .00296 | .00006 | .006   |
| %RSD   | 10.721  | .12054 | 5.5736 | 65.898  | 1.9316 | 1.4362 | .53263 | .03259 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00016 | 38.929 | .00265 | -.00042 | .01320 | .20787 | .01052 | 17.270 |
| #2 | -.00018 | 38.863 | .00287 | -.00015 | .01357 | .20369 | .01044 | 17.262 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00093 | .00006 | 20.416 | .00058 | .02230 | 3.1101 | .00553 | .07557 |
| Stddev | .00015  | .00031 | .128   | .00006 | .00017 | .0018  | .00028 | .01184 |
| %RSD   | 15.916  | 530.62 | .62854 | 10.457 | .77247 | .05807 | 5.1430 | 15.666 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00082 | -.00016 | 20.506 | .00062 | .02242 | 3.1114 | .00533 | .06720 |
| #2 | -.00103 | .00028  | 20.325 | .00054 | .02217 | 3.1088 | .00573 | .08395 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.2305 | 6.7641 | -.00324 | .00187 | .00876 | .0320  | .17115 | .68593 |
| Stddev | .0274  | .0870  | .00030  | .00290 | .00016 | .0010  | .00020 | .13456 |
| %RSD   | .52393 | 1.2855 | 9.1796  | 155.29 | 1.7869 | 3.199  | .11834 | 19.617 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 5.2499 | 6.8256 | -.00345 | .00392  | .00865 | .0328 | .17100 | .78108 |
| #2 | 5.2111 | 6.7026 | -.00303 | -.00018 | .00887 | .0313 | .17129 | .59079 |

Sample Name: J6153-05      Acquired: 12/4/2018 18:51:47      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-9.41      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.7064 |
| Stddev | .1234  |
| %RSD   | 7.2339 |

|    |        |
|----|--------|
| #1 | 1.6191 |
| #2 | 1.7936 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3664.1 | 64177. | 3861.1 | 86.140 | 3759.9 |
| Stddev    | 21.1   | 223.   | 58.4   | .935   | 12.6   |
| %RSD      | .57456 | .34769 | 1.5130 | 1.0851 | .33419 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3649.2 | 64019. | 3819.8 | 85.479 | 3751.1 |
| #2 | 3679.0 | 64335. | 3902.4 | 86.801 | 3768.8 |

Sample Name: J6157-01      Acquired: 12/4/2018 18:55:50      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-1-      Custom ID2:      Custom ID3:  
Comment:

|        |         |          |        |        |         |        |        |         |
|--------|---------|----------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908   | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm      | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00902  | -.00365  | .07715 | .01274 | .00109  | 73.450 | .74946 | .00447  |
| Stddev | .00121  | .00013   | .00049 | .00290 | .00180  | .335   | .00432 | .00005  |
| %RSD   | 13.454  | 3.6515   | .64138 | 22.771 | 164.65  | .45603 | .57595 | 1.2000  |
| #1     | .00817  | -.00356  | .07750 | .01479 | .00236  | 73.213 | .74641 | .00443  |
| #2     | .00988  | -.00375  | .07680 | .01069 | -.00018 | 73.687 | .75251 | .00451  |
| Elem   | Cd2265  | Ca3736   | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm      | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00094 | 14.490   | .12117 | .02352 | .09184  | 57.689 | 1.1242 | 15.295  |
| Stddev | .00014  | .039     | .00117 | .00017 | .00055  | .807   | .0020  | .110    |
| %RSD   | 15.236  | .26691   | .96597 | .72152 | .60121  | 1.3990 | .17587 | .72024  |
| #1     | -.00104 | 14.462   | .12034 | .02364 | .09145  | 58.259 | 1.1228 | 15.217  |
| #2     | -.00084 | 14.517   | .12200 | .02340 | .09223  | 57.118 | 1.1256 | 15.373  |
| Elem   | Ni2316  | Ag3280   | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm      | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .05504  | -.00073  | 39.471 | .13030 | .25119  | 8.8296 | .00102 | .09486  |
| Stddev | .00038  | .00045   | .220   | .00113 | .00312  | .0088  | .00001 | .00135  |
| %RSD   | .69684  | 61.344   | .55613 | .86394 | 1.2423  | .09937 | 1.0515 | 1.4264  |
| #1     | .05476  | -.00041  | 39.316 | .12950 | .25339  | 8.8234 | .00103 | .09391  |
| #2     | .05531  | -.00104  | 39.626 | .13109 | .24898  | 8.8358 | .00101 | .09582  |
| Elem   | S_1820  | Si2881   | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm      | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 5.6863  | F 70.731 | .00144 | 1.0030 | .08630  | 1.130  | .05695 | .01244  |
| Stddev | .0077   | .127     | .00093 | .0015  | .00033  | .003   | .00120 | .07604  |
| %RSD   | .13617  | .17978   | 64.612 | .14896 | .37749  | .2208  | 2.1127 | 611.17  |
| #1     | 5.6809  | 70.641   | .00078 | 1.0041 | .08653  | 1.128  | .05610 | -.04133 |
| #2     | 5.6918  | 70.821   | .00209 | 1.0019 | .08607  | 1.131  | .05780 | .06621  |



Sample Name: J6157-01      Acquired: 12/4/2018 18:55:50      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-1-      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.2115 |
| Stddev | .1705  |
| %RSD   | 7.7103 |

|    |        |
|----|--------|
| #1 | 2.3321 |
| #2 | 2.0910 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3896.2 | 67204. | 4097.3 | 87.357 | 3672.3 |
| Stddev    | 5.5    | 194.   | 12.5   | 1.374  | 3.1    |
| %RSD      | .14230 | .28931 | .30413 | 1.5728 | .08401 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3892.2 | 67342. | 4106.1 | 86.386 | 3670.1 |
| #2 | 3900.1 | 67067. | 4088.4 | 88.329 | 3674.5 |

Sample Name: J6157-02      Acquired: 12/4/2018 18:59:48      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-1-      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00430 | -.00269 | .03073 | .00416 | -.00010 | 31.858 | .92532 | .00182 |
| Stddev | .00089 | .00025  | .00002 | .00397 | .00054  | .563   | .01186 | .00004 |
| %RSD   | 20.786 | 9.3219  | .06216 | 95.475 | 534.45  | 1.7685 | 1.2814 | 1.9761 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00494 | -.00251 | .03072 | .00135 | -.00049 | 31.460 | .93371 | .00184 |
| #2 | .00367 | -.00287 | .03075 | .00697 | .00028  | 32.257 | .91694 | .00179 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00067 | 13.174 | .04789 | .00813 | .06657 | 20.275 | .80109 | 8.9819 |
| Stddev | .00003 | .004   | .00053 | .00009 | .00019 | .174   | .00055 | .0816  |
| %RSD   | 4.4182 | .03213 | 1.1019 | 1.0796 | .28289 | .85631 | .06917 | .90859 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00069 | 13.171 | .04826 | .00820 | .06670 | 20.398 | .80148 | 9.0396 |
| #2 | .00065 | 13.177 | .04752 | .00807 | .06644 | 20.152 | .80069 | 8.9242 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02198 | -.00073 | 51.302 | .05071 | .41817 | 6.5632 | .00128 | .27514 |
| Stddev | .00017 | .00042  | .297   | .00125 | .00903 | .0294  | .00018 | .01300 |
| %RSD   | .78040 | 57.670  | .57890 | 2.4748 | 2.1585 | .44744 | 14.267 | 4.7255 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .02210 | -.00103 | 51.512 | .05159 | .42455 | 6.5424 | .00115 | .26595 |
| #2 | .02185 | -.00043 | 51.092 | .04982 | .41179 | 6.5839 | .00141 | .28434 |

|        |        |          |         |        |        |        |        |        |
|--------|--------|----------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881   | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.6008 | F 47.396 | -.00252 | .51486 | .02993 | .4511  | .08134 | .86956 |
| Stddev | .0136  | .647     | .00018  | .02336 | .00157 | .0023  | .00033 | .04638 |
| %RSD   | .17888 | 1.3660   | 7.1316  | 4.5381 | 5.2472 | .4993  | .40369 | 5.3335 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 7.6104 | 47.854 | -.00240 | .49834 | .02882 | .4527 | .08157 | .83676 |
| #2 | 7.5912 | 46.938 | -.00265 | .53138 | .03104 | .4495 | .08111 | .90235 |

Sample Name: J6157-02      Acquired: 12/4/2018 18:59:48      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-1-      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.3827 |
| Stddev | .3395  |
| %RSD   | 6.3074 |

|    |        |
|----|--------|
| #1 | 5.6228 |
| #2 | 5.1426 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3761.7 | 65034. | 4010.3 | 90.333 | 3708.9 |
| Stddev    | 6.7    | 83.    | 41.8   | 2.150  | 10.1   |
| %RSD      | .17942 | .12824 | 1.0432 | 2.3799 | .27188 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3757.0 | 64975. | 3980.7 | 88.813 | 3701.8 |
| #2 | 3766.5 | 65093. | 4039.8 | 91.853 | 3716.1 |

Sample Name: J6157-03      Acquired: 12/4/2018 19:03:47      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-2-      Custom ID2:      Custom ID3:  
Comment:

|        |         |          |         |        |         |        |        |        |
|--------|---------|----------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908   | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01461  | -.00232  | .06758  | .00818 | -.00021 | 46.240 | .64218 | .00338 |
| Stddev | .00205  | .00024   | .00026  | .00160 | .00026  | .347   | .00002 | .00011 |
| %RSD   | 14.013  | 10.208   | .37809  | 19.607 | 123.69  | .74969 | .00243 | 3.2873 |
| #1     | .01606  | -.00216  | .06777  | .00704 | -.00003 | 45.995 | .64219 | .00346 |
| #2     | .01317  | -.00249  | .06740  | .00931 | -.00040 | 46.485 | .64216 | .00330 |
| Elem   | Cd2265  | Ca3736   | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00043 | 18.185   | .07839  | .02020 | .08199  | 41.522 | 1.0960 | 13.653 |
| Stddev | .00022  | .104     | .00022  | .00011 | .00066  | 1.486  | .0004  | .006   |
| %RSD   | 50.001  | .57210   | .28129  | .56416 | .80379  | 3.5801 | .03264 | .04141 |
| #1     | -.00028 | 18.111   | .07823  | .02028 | .08246  | 40.471 | 1.0962 | 13.657 |
| #2     | -.00058 | 18.258   | .07855  | .02012 | .08152  | 42.573 | 1.0957 | 13.649 |
| Elem   | Ni2316  | Ag3280   | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03852  | -.00010  | 54.411  | .08788 | .21591  | 8.3209 | .00175 | .08580 |
| Stddev | .00042  | .00060   | .117    | .00037 | .00672  | .0105  | .00010 | .00948 |
| %RSD   | 1.0960  | 604.37   | .21470  | .41930 | 3.1134  | .12667 | 5.5416 | 11.048 |
| #1     | .03822  | -.00052  | 54.329  | .08762 | .21116  | 8.3283 | .00182 | .07910 |
| #2     | .03881  | .00032   | 54.494  | .08814 | .22066  | 8.3134 | .00168 | .09250 |
| Elem   | S_1820  | Si2881   | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.6301  | F 61.526 | -.00071 | .87478 | .05425  | .9850  | .08365 | .77334 |
| Stddev | .0037   | .161     | .00103  | .00623 | .00030  | .0001  | .00186 | .12012 |
| %RSD   | .04838  | .26139   | 145.88  | .71178 | .55781  | .0055  | 2.2295 | 15.532 |
| #1     | 7.6328  | 61.640   | .00002  | .87038 | .05403  | .9850  | .08497 | .68841 |
| #2     | 7.6275  | 61.412   | -.00143 | .87918 | .05446  | .9849  | .08233 | .85828 |

Sample Name: J6157-03      Acquired: 12/4/2018 19:03:47      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMPOSITE-2-      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 7.0172 |
| Stddev | .4097  |
| %RSD   | 5.8390 |

|    |        |
|----|--------|
| #1 | 6.7275 |
| #2 | 7.3070 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3845.8 | 66173. | 4069.4 | 87.068 | 3668.5 |
| Stddev    | .7     | 43.    | 17.9   | 2.772  | 1.3    |
| %RSD      | .01702 | .06504 | .43908 | 3.1836 | .03422 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3845.3 | 66143. | 4056.8 | 89.028 | 3669.4 |
| #2 | 3846.2 | 66203. | 4082.1 | 85.108 | 3667.6 |

Sample Name: CCV05      Acquired: 12/4/2018 19:15:52      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 001M-WILLETS Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7903 | 4.7932 | 4.8575 | 4.7169 | 4.7803 | 9.1008 | 9.6714 | .23827   |
| Stddev | .0137  | .0333  | .0172  | .0134  | .0014  | .0217  | .0833  | .00061   |
| %RSD   | .28518 | .69472 | .35334 | .28429 | .02935 | .23850 | .86102 | .25621   |
| #1     | 4.8000 | 4.8167 | 4.8696 | 4.7263 | 4.7812 | 9.0854 | 9.7302 | .23783   |
| #2     | 4.7807 | 4.7696 | 4.8453 | 4.7074 | 4.7793 | 9.1161 | 9.6125 | .23870   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4030 | 24.196 | .95570 | 2.4003 | 1.2028 | 4.7645 | 2.4240 | 24.502   |
| Stddev | .0093  | .055   | .00039 | .0070  | .0002  | .0122  | .0008  | .033     |
| %RSD   | .38517 | .22711 | .04094 | .29142 | .01755 | .25651 | .03411 | .13451   |
| #1     | 2.4096 | 24.235 | .95598 | 2.4053 | 1.2027 | 4.7731 | 2.4234 | 24.525   |
| #2     | 2.3965 | 24.157 | .95543 | 2.3954 | 1.2029 | 4.7558 | 2.4246 | 24.478   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3798 | 1.1791 | 24.052 | 2.3851 | 2.5246 | 24.346 | 4.8727 | 4.6931   |
| Stddev | .0082  | .0017  | .098   | .0026  | .0298  | .101   | .0044  | .0355    |
| %RSD   | .34481 | .14384 | .40881 | .11001 | 1.1799 | .41439 | .08946 | .75533   |
| #1     | 2.3856 | 1.1803 | 23.982 | 2.3869 | 2.5457 | 24.417 | 4.8758 | 4.7181   |
| #2     | 2.3740 | 1.1779 | 24.121 | 2.3832 | 2.5035 | 24.274 | 4.8696 | 4.6680   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7821 | 4.8958 | 4.8364 | 4.8663 | 4.7596 | 4.730  | 4.8305 | F 1.1691 |
| Stddev | .0292  | .0221  | .0289  | .0141  | .0281  | .018   | .0025  | .1353    |
| %RSD   | .61072 | .45207 | .59812 | .29018 | .59073 | .3904  | .05091 | 11.575   |
| #1     | 4.8028 | 4.9115 | 4.8569 | 4.8763 | 4.7795 | 4.743  | 4.8322 | 1.2648   |
| #2     | 4.7615 | 4.8802 | 4.8160 | 4.8563 | 4.7397 | 4.717  | 4.8288 | 1.0734   |

Sample Name: CCV05      Acquired: 12/4/2018 19:15:52      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 001M-WILLETS Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.0790 |
| Stddev | .1178    |
| %RSD   | 3.8249   |

|    |        |
|----|--------|
| #1 | 3.1623 |
| #2 | 2.9958 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3741.1 | 64510. | 3950.2 | 87.599 | 3640.8 |
| Stddev    | 8.4    | 180.   | 30.0   | 1.111  | 18.7   |
| %RSD      | .22441 | .27945 | .75826 | 1.2679 | .51437 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3735.2 | 64383. | 3929.0 | 86.813 | 3627.6 |
| #2 | 3747.0 | 64638. | 3971.4 | 88.384 | 3654.1 |

Sample Name: CCB05      Acquired: 12/4/2018 19:19:36      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 002M-35TH-AV      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |        |         |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00083 | .00113 | .00036 | .00318 | -.00042 | .00033 | .00007 |
| Stddev | .00016  | .00069 | .00073 | .00066 | .00006  | .00447 | .00018 |
| %RSD   | 19.006  | 61.651 | 206.52 | 20.838 | 13.617  | 1357.1 | 260.38 |

|    |         |        |         |        |         |         |         |
|----|---------|--------|---------|--------|---------|---------|---------|
| #1 | -.00094 | .00063 | .00087  | .00271 | -.00038 | -.00283 | -.00006 |
| #2 | -.00072 | .00162 | -.00016 | .00365 | -.00046 | .00349  | .00020  |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00001 | -.00004 | .00027 | .00014 | .00005 | .00000 | .00740 |
| Stddev | .00007  | .00002  | .01584 | .00023 | .00002 | .00006 | .00524 |
| %RSD   | 785.74  | 48.776  | 5878.2 | 170.27 | 32.072 | 19467. | 70.847 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | .00004  | -.00003 | -.01093 | .00030  | .00004 | -.00004 | .00369 |
| #2 | -.00006 | -.00006 | .01147  | -.00003 | .00006 | .00004  | .01111 |

|        |        |        |        |         |        |         |         |
|--------|--------|--------|--------|---------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00006 | .04239 | .00038 | -.00055 | .28656 | -.00013 | -.00143 |
| Stddev | .00001 | .04286 | .00047 | .00053  | .01256 | .00042  | .00003  |
| %RSD   | 22.827 | 101.11 | 123.70 | 98.082  | 4.3833 | 326.25  | 2.1086  |

|    |        |        |        |         |        |         |         |
|----|--------|--------|--------|---------|--------|---------|---------|
| #1 | .00007 | .07270 | .00071 | -.00017 | .27768 | -.00043 | -.00145 |
| #2 | .00005 | .01208 | .00005 | -.00092 | .29544 | .00017  | -.00140 |

|        |         |        |         |          |        |         |        |
|--------|---------|--------|---------|----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm      | ppm    | ppm     | ppm    |
| Avg    | -.02740 | .00003 | -.00931 | F .04295 | .00094 | -.00226 | .00051 |
| Stddev | .00351  | .00006 | .00428  | .00082   | .00251 | .00005  | .00018 |
| %RSD   | 12.796  | 218.07 | 45.994  | 1.9083   | 265.91 | 2.1401  | 34.710 |

|    |         |         |         |        |         |         |        |
|----|---------|---------|---------|--------|---------|---------|--------|
| #1 | -.02988 | -.00002 | -.01234 | .04237 | -.00083 | -.00230 | .00063 |
| #2 | -.02492 | .00007  | -.00628 | .04353 | .00272  | -.00223 | .00038 |



Sample Name: CCB05      Acquired: 12/4/2018 19:19:36      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 002M-35TH-AV      Custom ID2:      Custom ID3:  
 Comment:

|        |          |         |        |          |          |
|--------|----------|---------|--------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077 | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm    | ppm      | ppm      |
| Avg    | -0.00311 | -0.0013 | .00011 | F<.00000 | F .91545 |
| Stddev | .00169   | .0009   | .00001 | .22173   | .68087   |
| %RSD   | 54.353   | 69.43   | 12.288 | 16.932   | 74.375   |

|    |          |         |        |         |        |
|----|----------|---------|--------|---------|--------|
| #1 | -0.00430 | -0.0020 | .00012 | -1.4663 | .43401 |
| #2 | -0.00191 | -0.0007 | .00010 | -1.1527 | 1.3969 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3897.8 | 67861. | 3972.6 | 92.033 | 4198.3 |
| Stddev    | 4.4    | 419.   | 13.5   | 1.414  | 4.9    |
| %RSD      | .11383 | .61787 | .33876 | 1.5366 | .11570 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3894.7 | 68157. | 3963.1 | 91.033 | 4194.9 |
| #2 | 3901.0 | 67564. | 3982.1 | 93.033 | 4201.8 |

Sample Name: J6157-04      Acquired: 12/4/2018 19:23:40      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-2-      Custom ID2:      Custom ID3:  
Comment:

|        |        |          |         |        |         |        |        |        |
|--------|--------|----------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908   | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00401 | -.00238  | .01396  | .00320 | -.00007 | 10.768 | .55304 | .00067 |
| Stddev | .00252 | .00021   | .00075  | .00004 | .00124  | .003   | .00190 | .00008 |
| %RSD   | 62.859 | 8.7651   | 5.3710  | 1.3316 | 1905.8  | .03236 | .34266 | 11.968 |
| #1     | .00579 | -.00223  | .01343  | .00323 | -.00095 | 10.771 | .55438 | .00061 |
| #2     | .00223 | -.00253  | .01449  | .00317 | .00081  | 10.766 | .55170 | .00072 |
| Elem   | Cd2265 | Ca3736   | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00338 | 15.576   | .03205  | .00438 | .02472  | 7.4554 | .67127 | 6.6370 |
| Stddev | .00004 | .043     | .00075  | .00018 | .00036  | .1220  | .00126 | .0323  |
| %RSD   | 1.0909 | .27410   | 2.3485  | 4.0113 | 1.4500  | 1.6361 | .18770 | .48683 |
| #1     | .00341 | 15.546   | .03151  | .00426 | .02446  | 7.3691 | .67216 | 6.6598 |
| #2     | .00336 | 15.606   | .03258  | .00451 | .02497  | 7.5416 | .67038 | 6.6141 |
| Elem   | Ni2316 | Ag3280   | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01265 | -.00093  | 59.811  | .01727 | .23286  | 5.0413 | .00132 | .27399 |
| Stddev | .00039 | .00047   | .253    | .00031 | .00375  | .0436  | .00011 | .00829 |
| %RSD   | 3.0787 | 50.866   | .42315  | 1.8021 | 1.6084  | .86458 | 8.1428 | 3.0244 |
| #1     | .01292 | -.00059  | 59.990  | .01749 | .23021  | 5.0722 | .00124 | .27985 |
| #2     | .01237 | -.00126  | 59.632  | .01705 | .23551  | 5.0105 | .00139 | .26813 |
| Elem   | S_1820 | Si2881   | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 8.5273 | F 21.668 | -.00474 | .20481 | .00802  | .2346  | .09235 | .85519 |
| Stddev | .0276  | .020     | .00054  | .00113 | .00205  | .0016  | .00013 | .33217 |
| %RSD   | .32381 | .09230   | 11.484  | .55047 | 25.532  | .6901  | .14528 | 38.842 |
| #1     | 8.5078 | 21.682   | -.00512 | .20401 | .00657  | .2357  | .09244 | 1.0901 |
| #2     | 8.5468 | 21.654   | -.00435 | .20561 | .00946  | .2334  | .09225 | .62031 |

Sample Name: J6157-04      Acquired: 12/4/2018 19:23:40      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-2-      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.2015 |
| Stddev | .2765  |
| %RSD   | 12.558 |

|    |        |
|----|--------|
| #1 | 2.0060 |
| #2 | 2.3970 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3719.0 | 64237. | 3885.7 | 86.998 | 3771.9 |
| Stddev    | 13.6   | 407.   | 18.6   | .861   | 12.6   |
| %RSD      | .36552 | .63434 | .47946 | .98917 | .33496 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3709.4 | 63949. | 3872.5 | 87.607 | 3762.9 |
| #2 | 3728.6 | 64525. | 3898.9 | 86.390 | 3780.8 |

Sample Name: J6157-05      Acquired: 12/4/2018 19:27:39      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-3-      Custom ID2:      Custom ID3:  
Comment:

|        |         |          |         |        |         |        |        |        |
|--------|---------|----------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908   | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00800  | -.00249  | .04608  | .00670 | -.00017 | 37.458 | .43827 | .00270 |
| Stddev | .00062  | .00052   | .00000  | .00095 | .00034  | .107   | .00209 | .00001 |
| %RSD   | 7.7796  | 21.108   | .00572  | 14.214 | 192.43  | .28519 | .47765 | .50405 |
| #1     | .00844  | -.00286  | .04608  | .00738 | -.00041 | 37.533 | .43679 | .00269 |
| #2     | .00756  | -.00211  | .04608  | .00603 | .00006  | 37.382 | .43975 | .00271 |
| Elem   | Cd2265  | Ca3736   | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00072 | 13.948   | .06487  | .01775 | .06541  | 38.196 | 1.2153 | 11.009 |
| Stddev | .00010  | .137     | .00006  | .00001 | .00010  | 1.008  | .0002  | .014   |
| %RSD   | 13.878  | .97882   | .08552  | .03813 | .15435  | 2.6382 | .01560 | .12322 |
| #1     | -.00065 | 13.851   | .06490  | .01774 | .06549  | 37.483 | 1.2154 | 10.999 |
| #2     | -.00079 | 14.044   | .06483  | .01775 | .06534  | 38.908 | 1.2152 | 11.019 |
| Elem   | Ni2316  | Ag3280   | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03105  | -.00020  | 47.684  | .07470 | .15928  | 7.6907 | .00095 | .08109 |
| Stddev | .00031  | .00018   | .380    | .00022 | .00398  | .0108  | .00022 | .00402 |
| %RSD   | 1.0078  | 93.444   | .79760  | .30108 | 2.4980  | .14083 | 23.137 | 4.9612 |
| #1     | .03082  | -.00033  | 47.415  | .07454 | .15647  | 7.6830 | .00079 | .07825 |
| #2     | .03127  | -.00007  | 47.953  | .07486 | .16210  | 7.6983 | .00110 | .08394 |
| Elem   | S_1820  | Si2881   | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.9050  | F 54.686 | -.00119 | .70471 | .04174  | .7701  | .07648 | .39226 |
| Stddev | .0010   | .365     | .00043  | .00165 | .00090  | .0020  | .00068 | .47596 |
| %RSD   | .01523  | .66751   | 36.060  | .23401 | 2.1452  | .2598  | .88810 | 121.34 |
| #1     | 6.9042  | 54.428   | -.00089 | .70588 | .04111  | .7715  | .07696 | .72881 |
| #2     | 6.9057  | 54.945   | -.00150 | .70355 | .04238  | .7687  | .07600 | .05570 |

Sample Name: J6157-05      Acquired: 12/4/2018 19:27:39      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-3-      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      7.2482  
Stddev      .2578  
%RSD      3.5568

#1      7.0659  
#2      7.4305

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3817.6 | 66261. | 4035.0 | 88.203 | 3706.6 |
| Stddev    | 4.0    | 195.   | 23.6   | 2.019  | 5.0    |
| %RSD      | .10404 | .29436 | .58481 | 2.2896 | .13499 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3814.8 | 66123. | 4051.6 | 89.631 | 3703.0 |
| #2 | 3820.4 | 66399. | 4018.3 | 86.775 | 3710.1 |

Sample Name: J6157-06      Acquired: 12/4/2018 19:31:37      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-3-      Custom ID2:      Custom ID3:  
Comment:

|        |         |          |         |        |         |        |        |        |
|--------|---------|----------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908   | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00172  | -.00225  | .01038  | .00481 | -.00122 | 9.4243 | .65105 | .00058 |
| Stddev | .00033  | .00086   | .00060  | .00057 | .00203  | .0082  | .00379 | .00006 |
| %RSD   | 19.038  | 38.409   | 5.7397  | 11.849 | 165.95  | .08720 | .58182 | 9.9939 |
| #1     | .00195  | -.00164  | .00996  | .00521 | -.00265 | 9.4185 | .65373 | .00063 |
| #2     | .00149  | -.00286  | .01080  | .00441 | .00021  | 9.4302 | .64837 | .00054 |
| Elem   | Cd2265  | Ca3736   | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00014 | 12.640   | .01334  | .00402 | .02049  | 7.2036 | .83103 | 6.0781 |
| Stddev | .00001  | .025     | .00013  | .00034 | .00030  | .0482  | .00066 | .0607  |
| %RSD   | 9.6629  | .19628   | .99589  | 8.3305 | 1.4481  | .66849 | .07901 | .99865 |
| #1     | -.00015 | 12.657   | .01325  | .00379 | .02029  | 7.1696 | .83057 | 6.1211 |
| #2     | -.00013 | 12.622   | .01344  | .00426 | .02070  | 7.2377 | .83150 | 6.0352 |
| Elem   | Ni2316  | Ag3280   | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00702  | -.00019  | 54.916  | .01461 | .30357  | 5.5154 | .00071 | .31112 |
| Stddev | .00067  | .00042   | .188    | .00040 | .00190  | .0416  | .00003 | .01979 |
| %RSD   | 9.5502  | 227.40   | .34233  | 2.7509 | .62580  | .75373 | 4.3034 | 6.3606 |
| #1     | .00750  | .00011   | 54.783  | .01433 | .30223  | 5.5448 | .00073 | .32511 |
| #2     | .00655  | -.00049  | 55.049  | .01489 | .30492  | 5.4860 | .00069 | .29712 |
| Elem   | S_1820  | Si2881   | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 8.2306  | F 21.019 | -.00457 | .18255 | .00470  | .2002  | .09146 | .36674 |
| Stddev | .0149   | .045     | .00021  | .00233 | .00148  | .0007  | .00033 | .12229 |
| %RSD   | .18099  | .21283   | 4.6620  | 1.2760 | 31.414  | .3357  | .35920 | 33.345 |
| #1     | 8.2200  | 21.051   | -.00441 | .18420 | .00365  | .1998  | .09169 | .28027 |
| #2     | 8.2411  | 20.988   | -.00472 | .18090 | .00574  | .2007  | .09123 | .45321 |

Sample Name: J6157-06      Acquired: 12/4/2018 19:31:37      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMPOSITE-3-      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.7539 |
| Stddev | .4440  |
| %RSD   | 16.121 |

|    |        |
|----|--------|
| #1 | 2.4400 |
| #2 | 3.0679 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3750.8 | 65149. | 3917.7 | 87.611 | 3803.8 |
| Stddev    | 2.8    | 147.   | 2.6    | .344   | 9.9    |
| %RSD      | .07409 | .22515 | .06603 | .39282 | .26035 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3748.8 | 65253. | 3919.5 | 87.855 | 3796.8 |
| #2 | 3752.7 | 65046. | 3915.9 | 87.368 | 3810.8 |

Sample Name: J6157-07      Acquired: 12/4/2018 19:35:37      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-4-      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02130 | -.00657 | .26454 | .03881 | .00090 | 176.38 | 1.6869 |
| Stddev | .00039 | .00124  | .00040 | .00027 | .00146 | .33    | .0141  |
| %RSD   | 1.8444 | 18.863  | .15143 | .69141 | 162.03 | .18705 | .83820 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .02102 | -.00744 | .26482 | .03862 | .00193  | 176.15 | 1.6969 |
| #2 | .02158 | -.00569 | .26426 | .03899 | -.00013 | 176.61 | 1.6769 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01187 | -.00388 | 20.065 | .28664 | .08938 | .18603 | 206.66 |
| Stddev | .00006 | .00050  | .004   | .00137 | .00038 | .00099 | 4.33   |
| %RSD   | .48554 | 12.905  | .01780 | .47702 | .42911 | .53143 | 2.0944 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01183 | -.00353 | 20.067 | .28567 | .08910 | .18673 | 203.60 |
| #2 | .01191 | -.00423 | 20.062 | .28761 | .08965 | .18533 | 209.72 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4515 | 35.485 | .16557 | .00290 | 30.871 | .29103 | .83261 |
| Stddev | .0017  | .046   | .00127 | .00084 | .026   | .00081 | .01655 |
| %RSD   | .06945 | .12825 | .76484 | 28.811 | .08520 | .27965 | 1.9874 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4527 | 35.453 | .16468 | .00231 | 30.852 | .29160 | .82091 |
| #2 | 2.4503 | 35.518 | .16647 | .00350 | 30.889 | .29045 | .84431 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 12.777 | .00260 | .19675 | 7.2924 | F 76.420 | .01269 | 2.2414 |
| Stddev | .040   | .00001 | .00626 | .0123  | .559     | .00025 | .0085  |
| %RSD   | .31074 | .29489 | 3.1839 | .16926 | .73097   | 2.0017 | .38048 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.805 | .00260 | .19232 | 7.3012 | 76.815 | .01287 | 2.2474 |
| #2 | 12.748 | .00259 | .20118 | 7.2837 | 76.025 | .01251 | 2.2353 |



Sample Name: J6157-07      Acquired: 12/4/2018 19:35:37      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMPOSITE-4-      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .24004 | 3.818  | -.05127 | <.00000 | F<.00000 |
| Stddev | .00115 | .012   | .00489  | .21016  | .64897   |
| %RSD   | .47806 | .3055  | 9.5465  | 6.3140  | 1.0640   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .24085 | 3.809 | -.04780 | -3.1799 | -61.450 |
| #2 | .23923 | 3.826 | -.05473 | -3.4771 | -60.533 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4337.9 | 74277. | 4643.5 | 82.038 | 3489.0 |
| Stddev    | 17.6   | 40.    | 26.3   | 1.349  | 11.9   |
| %RSD      | .40665 | .05360 | .56576 | 1.6448 | .34072 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4325.4 | 74305. | 4625.0 | 82.992 | 3480.6 |
| #2 | 4350.4 | 74248. | 4662.1 | 81.084 | 3497.4 |

Sample Name: J6157-08      Acquired: 12/4/2018 19:39:34      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-4-      Custom ID2:      Custom ID3:  
Comment:

|        |         |          |         |        |         |        |        |         |
|--------|---------|----------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908   | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00607  | -.00353  | .04787  | .00901 | -.00137 | 41.507 | 1.1061 | .00229  |
| Stddev | .00056  | .00073   | .00099  | .00146 | .00054  | 1.192  | .0027  | .00013  |
| %RSD   | 9.2222  | 20.779   | 2.0732  | 16.231 | 39.742  | 2.8707 | .24053 | 5.8556  |
| #1     | .00647  | -.00301  | .04717  | .01004 | -.00098 | 40.664 | 1.1042 | .00219  |
| #2     | .00568  | -.00405  | .04857  | .00797 | -.00175 | 42.349 | 1.1080 | .00238  |
| Elem   | Cd2265  | Ca3736   | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00010 | 10.557   | .06181  | .01340 | .06268  | 33.225 | .78015 | 8.3801  |
| Stddev | .00005  | .023     | .00255  | .00004 | .00044  | .014   | .01928 | .0413   |
| %RSD   | 53.370  | .21700   | 4.1190  | .27006 | .69820  | .04318 | 2.4716 | .49296  |
| #1     | -.00014 | 10.540   | .06001  | .01337 | .06299  | 33.214 | .76651 | 8.3509  |
| #2     | -.00006 | 10.573   | .06361  | .01343 | .06238  | 33.235 | .79378 | 8.4093  |
| Elem   | Ni2316  | Ag3280   | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .02913  | -.00044  | 42.804  | .05998 | .59082  | 5.7780 | .00154 | .41731  |
| Stddev | .00017  | .00003   | .111    | .00195 | .00270  | .0176  | .00006 | .01182  |
| %RSD   | .58165  | 6.3431   | .25835  | 3.2539 | .45699  | .30548 | 4.0315 | 2.8318  |
| #1     | .02925  | -.00046  | 42.726  | .05860 | .59273  | 5.7655 | .00150 | .40896  |
| #2     | .02901  | -.00042  | 42.882  | .06136 | .58892  | 5.7905 | .00158 | .42567  |
| Elem   | S_1820  | Si2881   | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 7.7627  | F 54.933 | -.00092 | .76846 | .04036  | .7392  | .04588 | .45812  |
| Stddev | .0265   | .026     | .00051  | .01095 | .00111  | .0037  | .00038 | .75481  |
| %RSD   | .34068  | .04764   | 55.672  | 1.4249 | 2.7530  | .5002  | .82136 | 164.76  |
| #1     | 7.7814  | 54.951   | -.00129 | .76072 | .04115  | .7419  | .04561 | -.07561 |
| #2     | 7.7440  | 54.914   | -.00056 | .77620 | .03958  | .7366  | .04615 | .99185  |

Sample Name: J6157-08      Acquired: 12/4/2018 19:39:34      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-4-      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 8.0718 |
| Stddev | .2704  |
| %RSD   | 3.3494 |

|    |        |
|----|--------|
| #1 | 7.8806 |
| #2 | 8.2630 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3838.1 | 66686. | 4029.0 | 88.277 | 3728.3 |
| Stddev    | .6     | 1308.  | 9.0    | .430   | 5.3    |
| %RSD      | .01536 | 1.9620 | .22325 | .48703 | .14142 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3837.6 | 67611. | 4022.6 | 87.973 | 3724.5 |
| #2 | 3838.5 | 65760. | 4035.3 | 88.581 | 3732.0 |

Sample Name: J6157-09      Acquired: 12/4/2018 19:43:32      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-5-      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04601 | -.00857 | .44210 | .04398 | .00262 | 181.79 | 1.5585 |
| Stddev | .00012 | .00093  | .00313 | .00031 | .00260 | .65    | .0023  |
| %RSD   | .25131 | 10.797  | .70904 | .70126 | 99.135 | .35562 | .14834 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .04609 | -.00791 | .44431 | .04420 | .00446 | 181.34 | 1.5601 |
| #2 | .04593 | -.00922 | .43988 | .04376 | .00078 | 182.25 | 1.5568 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01314 | -.00282 | 17.159 | .30740 | .10544 | .45909 | 235.97 |
| Stddev | .00010 | .00068  | .054   | .00187 | .00054 | .00152 | 5.44   |
| %RSD   | .76449 | 24.195  | .31518 | .60773 | .51383 | .33012 | 2.3070 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01321 | -.00233 | 17.120 | .30873 | .10505 | .46016 | 232.12 |
| #2 | .01306 | -.00330 | 17.197 | .30608 | .10582 | .45802 | 239.82 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4066 | 35.029 | .17422 | .00581 | 23.779 | .37581 | 1.0080 |
| Stddev | .0019  | .136   | .00112 | .00080 | .144   | .00129 | .0167  |
| %RSD   | .07803 | .38854 | .64008 | 13.753 | .60626 | .34389 | 1.6514 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4079 | 34.932 | .17344 | .00524 | 23.677 | .37672 | .99621 |
| #2 | 2.4052 | 35.125 | .17501 | .00637 | 23.881 | .37490 | 1.0197 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 14.739 | .00648 | .23109 | 7.6102 | F 66.435 | .01670 | 2.3925 |
| Stddev | .023   | .00042 | .00387 | .0030  | .045     | .00050 | .0051  |
| %RSD   | .15856 | 6.4053 | 1.6755 | .03935 | .06841   | 3.0140 | .21208 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.723 | .00619 | .22835 | 7.6124 | 66.467 | .01705 | 2.3889 |
| #2 | 14.756 | .00678 | .23383 | 7.6081 | 66.403 | .01634 | 2.3961 |

Sample Name: J6157-09      Acquired: 12/4/2018 19:43:32      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-5-      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .23278 | 6.791  | -.08948 | <.00000 | F<.00000 |
| Stddev | .00170 | .004   | .00563  | .05432  | 1.7784   |
| %RSD   | .73190 | .0639  | 6.2954  | 1.5966  | 2.2034   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .23158 | 6.794 | -.08550 | -3.4405 | -81.970 |
| #2 | .23399 | 6.788 | -.09346 | -3.3636 | -79.455 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4375.8 | 74776. | 4679.5 | 83.391 | 3459.7 |
| Stddev    | 4.9    | 210.   | 9.0    | 1.259  | 10.6   |
| %RSD      | .11222 | .28021 | .19322 | 1.5098 | .30757 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4379.3 | 74628. | 4673.1 | 84.281 | 3467.2 |
| #2 | 4372.3 | 74924. | 4685.9 | 82.501 | 3452.2 |

Sample Name: J6157-10      Acquired: 12/4/2018 19:47:29      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-5-      Custom ID2:      Custom ID3:  
Comment:

|        |         |          |         |        |        |        |        |         |
|--------|---------|----------|---------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908   | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .01078  | -.00351  | .06371  | .00797 | .00120 | 37.010 | 1.3757 | .00229  |
| Stddev | .00215  | .00111   | .00142  | .00085 | .00052 | .400   | .0019  | .00006  |
| %RSD   | 19.932  | 31.676   | 2.2323  | 10.655 | 43.466 | 1.0806 | .13999 | 2.6913  |
| #1     | .00926  | -.00273  | .06471  | .00857 | .00083 | 37.293 | 1.3771 | .00233  |
| #2     | .01230  | -.00430  | .06270  | .00737 | .00156 | 36.727 | 1.3744 | .00224  |
| Elem   | Cd2265  | Ca3736   | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00052 | 7.0035   | .06440  | .01342 | .07694 | 35.027 | .48783 | 6.7219  |
| Stddev | .00004  | .0023    | .00150  | .00016 | .00025 | .026   | .00617 | .0910   |
| %RSD   | 8.1163  | .03249   | 2.3263  | 1.2029 | .32615 | .07328 | 1.2654 | 1.3541  |
| #1     | -.00049 | 7.0051   | .06546  | .01331 | .07676 | 35.045 | .49220 | 6.6576  |
| #2     | -.00055 | 7.0019   | .06334  | .01354 | .07711 | 35.009 | .48347 | 6.7863  |
| Elem   | Ni2316  | Ag3280   | Na5895  | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .02682  | -.00013  | 35.175  | .07100 | .69932 | 6.3297 | .00434 | .62351  |
| Stddev | .00068  | .00026   | .071    | .00120 | .00156 | .0102  | .00008 | .00503  |
| %RSD   | 2.5536  | 195.26   | .20237  | 1.6868 | .22262 | .16055 | 1.8121 | .80616  |
| #1     | .02633  | -.00032  | 35.226  | .07185 | .69822 | 6.3369 | .00440 | .61995  |
| #2     | .02730  | .00005   | 35.125  | .07015 | .70042 | 6.3225 | .00429 | .62706  |
| Elem   | S_1820  | Si2881   | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 7.4193  | F 50.397 | -.00182 | .71897 | .03545 | 1.016  | .02510 | <.00000 |
| Stddev | .0103   | .177     | .00015  | .00059 | .00118 | .003   | .00023 | .11968  |
| %RSD   | .13852  | .35105   | 7.9876  | .08144 | 3.3400 | .2793  | .90553 | 34.928  |
| #1     | 7.4266  | 50.522   | -.00171 | .71938 | .03461 | 1.014  | .02494 | -.42727 |
| #2     | 7.4120  | 50.272   | -.00192 | .71855 | .03629 | 1.018  | .02526 | -.25802 |

Sample Name: J6157-10      Acquired: 12/4/2018 19:47:29      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMPOSITE-5-      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 8.1858 |
| Stddev | .0648  |
| %RSD   | .79181 |

|    |        |
|----|--------|
| #1 | 8.1400 |
| #2 | 8.2316 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3863.3 | 67161. | 4068.3 | 90.129 | 3784.2 |
| Stddev    | 3.2    | 688.   | 6.1    | .024   | 4.5    |
| %RSD      | .08304 | 1.0239 | .15046 | .02689 | .11998 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3861.0 | 66675. | 4064.0 | 90.112 | 3781.0 |
| #2 | 3865.6 | 67647. | 4072.7 | 90.146 | 3787.4 |

Sample Name: J6157-11      Acquired: 12/4/2018 19:51:28      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-6-      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04815 | -.00652 | .71172 | .03916 | .00401 | 156.13 | 1.3209 |
| Stddev | .00114 | .00055  | .00157 | .00134 | .00305 | .51    | .0049  |
| %RSD   | 2.3577 | 8.4131  | .22105 | 3.4309 | 76.058 | .32861 | .37245 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .04895 | -.00613 | .71061 | .03821 | .00185 | 156.49 | 1.3174 |
| #2 | .04735 | -.00691 | .71283 | .04011 | .00617 | 155.77 | 1.3243 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01184 | -.00067 | 14.933 | .30385 | .09189 | .26485 | 200.07 |
| Stddev | .00012 | .00015  | .035   | .00106 | .00018 | .00096 | 1.56   |
| %RSD   | 1.0102 | 21.875  | .23584 | .35005 | .19327 | .36357 | .77841 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01176 | -.00057 | 14.958 | .30310 | .09201 | .26417 | 198.97 |
| #2 | .01193 | -.00078 | 14.909 | .30461 | .09176 | .26553 | 201.17 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.2544 | 37.936 | .16630 | .00642 | 28.940 | .31606 | 1.2268 |
| Stddev | .0050  | .273   | .00144 | .00020 | .097   | .00138 | .0102  |
| %RSD   | .22229 | .71970 | .86723 | 3.1017 | .33539 | .43796 | .83305 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.2579 | 37.743 | .16528 | .00628 | 28.871 | .31508 | 1.2196 |
| #2 | 2.2508 | 38.129 | .16732 | .00656 | 29.008 | .31704 | 1.2341 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 18.562 | .00527 | .19392 | 7.0634 | F 69.895 | .03112 | 3.1138 |
| Stddev | .035   | .00010 | .00180 | .0119  | .207     | .00069 | .0012  |
| %RSD   | .18789 | 1.9362 | .92984 | .16904 | .29597   | 2.2115 | .03962 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.537 | .00534 | .19264 | 7.0550 | 69.748 | .03063 | 3.1129 |
| #2 | 18.586 | .00520 | .19519 | 7.0719 | 70.041 | .03161 | 3.1147 |



Sample Name: J6157-11      Acquired: 12/4/2018 19:51:28      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMPOSITE-6-      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .26885 | 4.481  | -.04938 | <.00000 | F<.00000 |
| Stddev | .00125 | .016   | .00175  | .66797  | .34384   |
| %RSD   | .46657 | .3560  | 3.5411  | 23.034  | .57938   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .26796 | 4.470 | -.04814 | -2.4277 | -59.103 |
| #2 | .26973 | 4.492 | -.05061 | -3.3723 | -59.589 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4243.8 | 72710. | 4508.4 | 85.077 | 3509.9 |
| Stddev    | 7.6    | 495.   | 2.5    | .474   | 5.5    |
| %RSD      | .17813 | .68094 | .05654 | .55722 | .15579 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4249.2 | 72360. | 4510.2 | 85.412 | 3513.8 |
| #2 | 4238.5 | 73060. | 4506.6 | 84.742 | 3506.0 |

Sample Name: J6157-12      Acquired: 12/4/2018 19:55:26      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMPOSITE-6-      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01125 | -.00122 | .09262 | .00510 | .00173 | 25.295 | .92457 | .00171 |
| Stddev | .00070 | .00082  | .00138 | .00062 | .00079 | .121   | .00287 | .00001 |
| %RSD   | 6.2184 | 67.223  | 1.4886 | 12.101 | 45.706 | .47762 | .31030 | .66153 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .01174 | -.00180 | .09359 | .00466 | .00230 | 25.380 | .92254 | .00171 |
| #2 | .01076 | -.00064 | .09164 | .00553 | .00117 | 25.209 | .92660 | .00170 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00017 | 6.6352 | .04522 | .01017 | .08060 | 24.265 | .41031 | 5.7923 |
| Stddev | .00007  | .0047  | .00016 | .00005 | .00058 | .006   | .00007 | .0648  |
| %RSD   | 39.512  | .07024 | .34864 | .47143 | .72510 | .02424 | .01766 | 1.1182 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00012 | 6.6384 | .04533 | .01014 | .08101 | 24.261 | .41036 | 5.7465 |
| #2 | -.00022 | 6.6319 | .04511 | .01021 | .08019 | 24.269 | .41026 | 5.8381 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02060 | .00066 | 38.429 | .04719 | .58341 | 6.0923 | .00206 | .45323 |
| Stddev | .00017 | .00039 | .132   | .00035 | .00124 | .0282  | .00007 | .00763 |
| %RSD   | .81446 | 59.376 | .34269 | .73346 | .21173 | .46305 | 3.5529 | 1.6832 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02048 | .00038 | 38.336 | .04744 | .58429 | 6.0724 | .00201 | .45863 |
| #2 | .02071 | .00094 | 38.522 | .04695 | .58254 | 6.1123 | .00211 | .44784 |

|        |        |          |        |        |        |        |        |         |
|--------|--------|----------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 6.9213 | F 38.880 | .00126 | .60553 | .02939 | .6424  | .03401 | <.00000 |
| Stddev | .0341  | .197     | .00060 | .00084 | .00048 | .0012  | .00000 | .39291  |
| %RSD   | .49269 | .50754   | 47.802 | .13953 | 1.6386 | .1830  | .00038 | 329.76  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 6.9454 | 38.740 | .00084 | .60612 | .02905 | .6432 | .03401 | .15868  |
| #2 | 6.8972 | 39.019 | .00169 | .60493 | .02973 | .6415 | .03401 | -.39698 |

Sample Name: J6157-12      Acquired: 12/4/2018 19:55:26      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMPOSITE-6-      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.5764 |
| Stddev | .2328  |
| %RSD   | 4.1743 |

|    |        |
|----|--------|
| #1 | 5.7410 |
| #2 | 5.4118 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3823.2 | 66592. | 4015.5 | 89.397 | 3806.6 |
| Stddev    | .8     | 233.   | 15.0   | .209   | 3.4    |
| %RSD      | .01969 | .34926 | .37289 | .23364 | .08971 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3823.7 | 66427. | 4026.1 | 89.249 | 3804.2 |
| #2 | 3822.6 | 66756. | 4004.9 | 89.544 | 3809.1 |

Sample Name: PB115298BL      Acquired: 12/4/2018 19:59:25      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 002M-35TH-AV      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |         |         |        |
|--------|---------|--------|---------|--------|---------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00099 | .00023 | -.00102 | .00031 | -.00066 | -.00694 | .00021 |
| Stddev | .00324  | .00078 | .00009  | .00205 | .00169  | .00027  | .00029 |
| %RSD   | 326.67  | 333.67 | 8.3330  | 670.57 | 256.52  | 3.8260  | 139.99 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00328 | -.00032 | -.00108 | .00176  | -.00185 | -.00713 | .00000 |
| #2 | .00130  | .00078  | -.00096 | -.00115 | .00054  | -.00676 | .00041 |

|        |        |         |        |        |         |         |        |
|--------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00004 | -.00012 | .00508 | .00025 | -.00003 | -.00061 | .00950 |
| Stddev | .00003 | .00006  | .00513 | .00020 | .00004  | .00017  | .00276 |
| %RSD   | 83.707 | 50.624  | 100.97 | 79.390 | 160.14  | 27.285  | 29.064 |

|    |        |         |        |        |         |         |        |
|----|--------|---------|--------|--------|---------|---------|--------|
| #1 | .00006 | -.00016 | .00870 | .00011 | .00000  | -.00073 | .01146 |
| #2 | .00001 | -.00007 | .00145 | .00039 | -.00006 | -.00049 | .00755 |

|        |        |         |        |         |        |        |         |
|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00006 | -.00560 | .00020 | -.00027 | .17840 | .00009 | -.00128 |
| Stddev | .00001 | .03605  | .00013 | .00015  | .00561 | .00013 | .00004  |
| %RSD   | 9.3264 | 643.47  | 65.634 | 55.091  | 3.1474 | 146.50 | 2.9029  |

|    |        |         |        |         |        |         |         |
|----|--------|---------|--------|---------|--------|---------|---------|
| #1 | .00006 | .01989  | .00030 | -.00016 | .18237 | -.00000 | -.00125 |
| #2 | .00007 | -.03109 | .00011 | -.00037 | .17443 | .00018  | -.00131 |

|        |         |         |         |          |         |         |         |
|--------|---------|---------|---------|----------|---------|---------|---------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820   | Si2881  | Sn1899  | Ti3361  |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     |
| Avg    | -.01272 | -.00017 | -.01500 | F .02341 | -.00111 | -.00292 | -.00116 |
| Stddev | .02571  | .00025  | .00193  | .00445   | .00134  | .00016  | .00054  |
| %RSD   | 202.09  | 152.19  | 12.894  | 19.001   | 121.29  | 5.5298  | 47.140  |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.03091 | .00001  | -.01637 | .02656 | -.00206 | -.00304 | -.00077 |
| #2 | .00546  | -.00034 | -.01364 | .02027 | -.00016 | -.00281 | -.00154 |

Sample Name: PB115298BL      Acquired: 12/4/2018 19:59:25      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 002M-35TH-AV      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00270 | .0004  | .00002 | F<.00000 | F .39206 |
| Stddev | .00145  | .0008  | .00002 | .22647   | .75915   |
| %RSD   | 53.524  | 197.3  | 109.94 | 9.9428   | 193.63   |

|    |         |        |        |         |         |
|----|---------|--------|--------|---------|---------|
| #1 | -.00372 | .0009  | .00001 | -2.4379 | -.14474 |
| #2 | -.00168 | -.0002 | .00004 | -2.1176 | .92887  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3927.1 | 68789. | 3965.2 | 93.729 | 4234.0 |
| Stddev    | 17.0   | 323.   | .3     | .206   | 13.4   |
| %RSD      | .43390 | .47021 | .00778 | .22004 | .31571 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3915.0 | 69017. | 3965.0 | 93.583 | 4224.5 |
| #2 | 3939.1 | 68560. | 3965.5 | 93.875 | 4243.4 |

Sample Name: CCV06      Acquired: 12/4/2018 20:03:29      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 002M-35TH-AV Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |          |        |
|--------|--------|--------|--------|--------|--------|----------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961   | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | 4.7042 | 4.7501 | 4.7807 | 4.6226 | 4.7017 | F 8.8034 | 9.7232 |
| Stddev | .0190  | .0042  | .0004  | .0062  | .0021  | .0535    | .0344  |
| %RSD   | .40415 | .08773 | .00842 | .13432 | .04481 | .60727   | .35391 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.7176 | 4.7530 | 4.7804 | 4.6270 | 4.7032 | 8.8412 | 9.7475 |
| #2 | 4.6907 | 4.7472 | 4.7810 | 4.6182 | 4.7002 | 8.7656 | 9.6989 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23353 | 2.3817 | 24.120 | .93256 | 2.3665 | 1.1912 | 4.6689 |
| Stddev | .00286 | .0000  | .058   | .00870 | .0042  | .0006  | .1026  |
| %RSD   | 1.2257 | .00049 | .24049 | .93314 | .17690 | .05045 | 2.1971 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23556 | 2.3817 | 24.079 | .93871 | 2.3636 | 1.1917 | 4.5963 |
| #2 | .23151 | 2.3817 | 24.161 | .92641 | 2.3695 | 1.1908 | 4.7414 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3755 | 24.383 | 2.3516 | 1.1460 | 23.986 | 2.3076 | 2.4713 |
| Stddev | .0282  | .211   | .0015  | .0083  | .102   | .0193  | .0430  |
| %RSD   | 1.1857 | .86567 | .06404 | .72470 | .42671 | .83652 | 1.7380 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3954 | 24.234 | 2.3505 | 1.1519 | 24.058 | 2.3212 | 2.4410 |
| #2 | 2.3556 | 24.533 | 2.3526 | 1.1402 | 23.913 | 2.2939 | 2.5017 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 24.385 | 4.8147 | 4.7912 | 4.6366 | 4.9652 | 4.7702 | 4.8174 |
| Stddev | .056   | .0073  | .0055  | .0026  | .0118  | .0162  | .0048  |
| %RSD   | .22921 | .15199 | .11571 | .05698 | .23767 | .33868 | .09914 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 24.424 | 4.8199 | 4.7952 | 4.6348 | 4.9735 | 4.7588 | 4.8208 |
| #2 | 24.345 | 4.8095 | 4.7873 | 4.6385 | 4.9568 | 4.7817 | 4.8141 |

Sample Name: CCV06      Acquired: 12/4/2018 20:03:29      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 002M-35TH-AV Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | 4.8076 | 4.646  | 4.8045 | F<.00000 | F 3.0873 |
| Stddev | .0107  | .009   | .0122  | .14554   | .0528    |
| %RSD   | .22201 | .1823  | .25456 | 81.726   | 1.7116   |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | 4.8152 | 4.640 | 4.8132 | -.07517 | 3.1246 |
| #2 | 4.8001 | 4.652 | 4.7959 | -.28100 | 3.0499 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3770.8 | 65873. | 3900.5 | 88.549 | 3665.1 |
| Stddev    | 7.2    | 548.   | 13.8   | 1.562  | 2.5    |
| %RSD      | .19128 | .83183 | .35498 | 1.7635 | .06707 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3765.7 | 65485. | 3890.7 | 89.654 | 3663.4 |
| #2 | 3775.9 | 66260. | 3910.3 | 87.445 | 3666.9 |

Sample Name: CCB06      Acquired: 12/4/2018 20:07:14      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 002M-35TH-AV      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |        |         |         |
|--------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.00088 | .00059 | -.00086 | .00207 | .00015 | -.01057 | -.00051 |
| Stddev | .00009  | .00072 | .00062  | .00131 | .00051 | .00903  | .00051  |
| %RSD   | 10.160  | 121.55 | 71.574  | 63.125 | 352.08 | 85.448  | 100.06  |

|    |         |        |         |        |         |         |         |
|----|---------|--------|---------|--------|---------|---------|---------|
| #1 | -.00081 | .00008 | -.00043 | .00300 | -.00022 | -.01696 | -.00015 |
| #2 | -.00094 | .00110 | -.00130 | .00115 | .00051  | -.00418 | -.00087 |

|        |        |         |        |         |         |         |         |
|--------|--------|---------|--------|---------|---------|---------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00000 | -.00003 | .00998 | -.00000 | -.00001 | -.00027 | -.00036 |
| Stddev | .00001 | .00009  | .02331 | .00064  | .00029  | .00003  | .00728  |
| %RSD   | 383.17 | 338.32  | 233.63 | 22367.  | 4803.0  | 12.904  | 1997.9  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00001  | -.00009 | .02646  | .00045  | .00020  | -.00025 | .00478  |
| #2 | -.00001 | .00004  | -.00651 | -.00046 | -.00021 | -.00029 | -.00551 |

|        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00000 | .07876 | .00008 | -.00052 | .13865 | .00000 | -.00142 |
| Stddev | .00001 | .08412 | .00019 | .00026  | .00515 | .00028 | .00004  |
| %RSD   | 699.41 | 106.81 | 235.13 | 49.095  | 3.7142 | 7673.6 | 2.5406  |

|    |         |        |         |         |        |         |         |
|----|---------|--------|---------|---------|--------|---------|---------|
| #1 | .00001  | .01928 | -.00005 | -.00070 | .14229 | -.00020 | -.00140 |
| #2 | -.00001 | .13824 | .00021  | -.00034 | .13501 | .00020  | -.00145 |

|        |         |         |         |          |        |         |        |
|--------|---------|---------|---------|----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm    | ppm     | ppm    |
| Avg    | -.03920 | -.00017 | -.01299 | F .01354 | .00016 | -.00173 | .00076 |
| Stddev | .01005  | .00037  | .00501  | .00104   | .00156 | .00009  | .00167 |
| %RSD   | 25.640  | 217.99  | 38.556  | 7.6999   | 986.85 | 4.9831  | 219.02 |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.04631 | .00009  | -.00945 | .01280 | .00126  | -.00167 | .00195  |
| #2 | -.03209 | -.00043 | -.01653 | .01427 | -.00095 | -.00179 | -.00042 |



Sample Name: CCB06      Acquired: 12/4/2018 20:07:14      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 002M-35TH-AV Custom ID2:      Custom ID3:  
 Comment:

|        |          |        |          |          |          |
|--------|----------|--------|----------|----------|----------|
| Elem   | Li6707   | P_1774 | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      |
| Avg    | -0.00354 | .0009  | -0.00002 | F<.00000 | F .41213 |
| Stddev | .00021   | .0017  | .00001   | .34287   | .23543   |
| %RSD   | 5.9847   | 198.8  | 31.738   | 13.082   | 57.126   |

|    |          |         |          |         |        |
|----|----------|---------|----------|---------|--------|
| #1 | -0.00339 | -0.0003 | -0.00002 | -2.8634 | .24565 |
| #2 | -0.00368 | .0021   | -0.00003 | -2.3785 | .57860 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3933.3 | 68932. | 3975.2 | 91.729 | 4236.2 |
| Stddev    | 27.9   | 241.   | 16.2   | .878   | 14.8   |
| %RSD      | .70922 | .34892 | .40662 | .95716 | .34830 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3913.6 | 68762. | 3963.8 | 92.350 | 4225.7 |
| #2 | 3953.0 | 69102. | 3986.6 | 91.108 | 4246.6 |

Sample Name: PB115298BS      Acquired: 12/4/2018 20:11:18      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75602 | 1.9588 | .96537 | 1.8358 | .77996 | 1.8956 | .21749 |
| Stddev | .00530 | .0035  | .00379 | .0047  | .00245 | .0132  | .00085 |
| %RSD   | .70151 | .18000 | .39269 | .25373 | .31386 | .69789 | .39032 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75977 | 1.9613 | .96269 | 1.8325 | .78169 | 1.8862 | .21689 |
| #2 | .75227 | 1.9563 | .96805 | 1.8391 | .77823 | 1.9049 | .21809 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19161 | .18842 | 1.1300 | .40861 | .19800 | .31858 | 3.0957 |
| Stddev | .00044 | .00008 | .0072  | .00095 | .00041 | .00002 | .1066  |
| %RSD   | .23000 | .04298 | .63515 | .23353 | .20495 | .00777 | 3.4424 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19130 | .18847 | 1.1249 | .40793 | .19771 | .31856 | 3.0203 |
| #2 | .19192 | .18836 | 1.1350 | .40928 | .19828 | .31860 | 3.1710 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21530 | 2.2281 | .48943 | .06788 | 3.3314 | .29936 | .21015 |
| Stddev | .00050 | .0495  | .00021 | .00025 | .0017  | .00226 | .00494 |
| %RSD   | .23287 | 2.2209 | .04257 | .37360 | .05128 | .75516 | 2.3485 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21494 | 2.1931 | .48958 | .06770 | 3.3326 | .30096 | .20666 |
| #2 | .21565 | 2.2631 | .48928 | .06805 | 3.3302 | .29776 | .21364 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.605 | .42355 | .30039 | F 1.5601 | .99379 | .67255 | .20880 |
| Stddev | .018   | .00099 | .00052 | .0052    | .00264 | .00145 | .00011 |
| %RSD   | .17065 | .23487 | .17218 | .33035   | .26604 | .21590 | .05383 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.618 | .42425 | .30075 | 1.5637 | .99566 | .67153 | .20888 |
| #2 | 10.592 | .42285 | .30002 | 1.5564 | .99192 | .67358 | .20872 |

Sample Name: PB115298BS      Acquired: 12/4/2018 20:11:18      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .21064 | 5.195  | .21033 | F<.00000 | F<.00000 |
| Stddev | .00093 | .008   | .00003 | .00222   | .10372   |
| %RSD   | .44381 | .1547  | .01448 | .18948   | 4.2012   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .20998 | 5.200 | .21035 | -1.1750 | -2.3955 |
| #2 | .21130 | 5.189 | .21031 | -1.1718 | -2.5421 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3802.1 | 66885. | 3847.4 | 90.708 | 4005.4 |
| Stddev    | 3.8    | 204.   | 6.8    | 1.980  | 3.2    |
| %RSD      | .10104 | .30488 | .17710 | 2.1827 | .07975 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3799.4 | 67030. | 3842.6 | 92.108 | 4003.2 |
| #2 | 3804.8 | 66741. | 3852.3 | 89.308 | 4007.7 |

Sample Name: PB115339BL      Acquired: 12/4/2018 20:15:09      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7746      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |        |        |
|--------|---------|---------|---------|--------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00073 | -.00041 | -.00126 | .00122 | -.00051 | .00005 | .00058 |
| Stddev | .00046  | .00045  | .00002  | .00016 | .00037  | .00648 | .00145 |
| %RSD   | 62.760  | 109.26  | 1.9661  | 13.152 | 71.645  | 12687. | 251.78 |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00106 | -.00073 | -.00128 | .00133 | -.00077 | .00463  | -.00045 |
| #2 | -.00041 | -.00009 | -.00125 | .00111 | -.00025 | -.00453 | .00160  |

|        |         |         |        |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00004 | -.00004 | .00896 | -.00022 | -.00001 | -.00012 | -.00233 |
| Stddev | .00004  | .00004  | .01054 | .00013  | .00010  | .00036  | .00616  |
| %RSD   | 111.36  | 98.836  | 117.58 | 61.417  | 1358.0  | 297.76  | 264.22  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00007 | -.00007 | .00151 | -.00031 | -.00008 | -.00038 | -.00668 |
| #2 | -.00001 | -.00001 | .01641 | -.00012 | .00006  | .00013  | .00202  |

|        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00002 | .05213 | .00016 | -.00061 | .13934 | .00001 | -.00141 |
| Stddev | .00005 | .01420 | .00003 | .00040  | .00803 | .00000 | .00008  |
| %RSD   | 291.00 | 27.246 | 18.751 | 65.929  | 5.7626 | 10.053 | 5.5467  |

|    |         |        |        |         |        |        |         |
|----|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00005  | .04209 | .00019 | -.00032 | .13366 | .00001 | -.00146 |
| #2 | -.00002 | .06217 | .00014 | -.00089 | .14502 | .00000 | -.00135 |

|        |         |         |         |          |         |         |        |
|--------|---------|---------|---------|----------|---------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820   | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm    |
| Avg    | -.02975 | -.00044 | -.01309 | F .00824 | -.00287 | -.00224 | .00241 |
| Stddev | .00332  | .00016  | .00968  | .00494   | .00073  | .00022  | .00118 |
| %RSD   | 11.177  | 35.927  | 73.926  | 59.989   | 25.534  | 9.8231  | 48.975 |

|    |         |         |         |        |         |         |        |
|----|---------|---------|---------|--------|---------|---------|--------|
| #1 | -.03210 | -.00033 | -.01993 | .01174 | -.00339 | -.00208 | .00158 |
| #2 | -.02740 | -.00056 | -.00625 | .00475 | -.00235 | -.00239 | .00325 |

Sample Name: PB115339BL      Acquired: 12/4/2018 20:15:09      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA7746      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00604 | .0001  | .00007 | F<.00000 | F .92191 |
| Stddev | .00009  | .0003  | .00012 | .32085   | .05724   |
| %RSD   | 1.5315  | 366.2  | 162.42 | 12.492   | 6.2089   |

|    |         |        |         |         |        |
|----|---------|--------|---------|---------|--------|
| #1 | -.00597 | -.0001 | .00016  | -2.3415 | .96238 |
| #2 | -.00611 | .0003  | -.00001 | -2.7953 | .88143 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3948.1 | 68944. | 3964.0 | 93.317 | 4260.7 |
| Stddev    | 2.5    | 335.   | 50.8   | 1.214  | 2.2    |
| %RSD      | .06446 | .48599 | 1.2821 | 1.3008 | .05174 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3946.3 | 68707. | 3928.1 | 92.458 | 4259.1 |
| #2 | 3949.9 | 69181. | 3999.9 | 94.175 | 4262.2 |

Sample Name: PB115339BS      Acquired: 12/4/2018 20:19:13      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7746      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75148 | 1.9614 | .96483 | 1.8258 | .77510 | 1.8873 | .21792 |
| Stddev | .00004 | .0120  | .00445 | .0067  | .00438 | .0040  | .00085 |
| %RSD   | .00536 | .61215 | .46074 | .36673 | .56509 | .20955 | .39219 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75151 | 1.9529 | .96169 | 1.8211 | .77200 | 1.8845 | .21853 |
| #2 | .75145 | 1.9699 | .96798 | 1.8306 | .77819 | 1.8901 | .21732 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19219 | .18832 | 1.1235 | .41363 | .19826 | .31880 | 3.0927 |
| Stddev | .00008 | .00123 | .0179  | .00143 | .00100 | .00071 | .1025  |
| %RSD   | .03946 | .65175 | 1.5908 | .34461 | .50500 | .22267 | 3.3141 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19225 | .18746 | 1.1108 | .41463 | .19755 | .31830 | 3.1652 |
| #2 | .19214 | .18919 | 1.1361 | .41262 | .19897 | .31931 | 3.0203 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21607 | 2.1693 | .49076 | .06839 | 3.3621 | .30249 | .21074 |
| Stddev | .00019 | .0147  | .00372 | .00059 | .0156  | .00094 | .00768 |
| %RSD   | .08679 | .67969 | .75858 | .85685 | .46370 | .31156 | 3.6423 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21620 | 2.1798 | .48812 | .06798 | 3.3511 | .30315 | .21617 |
| #2 | .21594 | 2.1589 | .49339 | .06881 | 3.3732 | .30182 | .20532 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.585 | .42164 | .30404 | F 1.5459 | .99347 | .67309 | .21027 |
| Stddev | .015   | .00056 | .00358 | .0003    | .00125 | .00623 | .00415 |
| %RSD   | .14445 | .13221 | 1.1782 | .01698   | .12576 | .92543 | 1.9716 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.574 | .42125 | .30658 | 1.5461 | .99259 | .66868 | .21321 |
| #2 | 10.595 | .42204 | .30151 | 1.5457 | .99436 | .67749 | .20734 |

Sample Name: PB115339BS      Acquired: 12/4/2018 20:19:13      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB7746      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .21135 | 5.197  | .21009 | F<.00000 | F<.00000 |
| Stddev | .00001 | .020   | .00012 | .46680   | .12603   |
| %RSD   | .00435 | .3898  | .05623 | 73.202   | 10.880   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .21135 | 5.182 | .21001 | -.30761 | -1.0693 |
| #2 | .21134 | 5.211 | .21018 | -.96777 | -1.2475 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3811.6 | 66445. | 3835.1 | 90.458 | 4006.1 |
| Stddev    | 3.2    | 210.   | 20.1   | 3.194  | 13.4   |
| %RSD      | .08270 | .31532 | .52447 | 3.5306 | .33441 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3813.8 | 66297. | 3820.9 | 88.200 | 4015.6 |
| #2 | 3809.3 | 66593. | 3849.3 | 92.717 | 3996.7 |

Sample Name: J6168-03      Acquired: 12/4/2018 20:23:04      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04860 | -.00515 | 1.8138 | .05201 | .00403 | 138.10 | 1.0733 |
| Stddev | .00193 | .00007  | .0023  | .00319 | .00446 | .41    | .0010  |
| %RSD   | 3.9776 | 1.3044  | .12616 | 6.1435 | 110.74 | .29825 | .09354 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .04996 | -.00520 | 1.8154 | .05426 | .00719 | 138.40 | 1.0741 |
| #2 | .04723 | -.00511 | 1.8121 | .04975 | .00087 | 137.81 | 1.0726 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00860 | .00097 | 78.057 | .28217 | .15654 | .75440 | 265.42 |
| Stddev | .00015 | .00084 | .058   | .00026 | .00056 | .00398 | 10.70  |
| %RSD   | 1.7165 | 87.309 | .07384 | .09386 | .35875 | .52769 | 4.0305 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00849 | .00037 | 78.016 | .28236 | .15694 | .75159 | 272.98 |
| #2 | .00870 | .00156 | 78.097 | .28199 | .15615 | .75722 | 257.85 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.9364 | 55.109 | .27173 | -.00182 | 2.8430 | .47404 | 2.2788 |
| Stddev | .0004  | .350   | .00093 | .00128  | .0221  | .00103 | .0923  |
| %RSD   | .00590 | .63489 | .34172 | 70.007  | .77558 | .21716 | 4.0517 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.9362 | 54.862 | .27238 | -.00092 | 2.8586 | .47331 | 2.3440 |
| #2 | 5.9367 | 55.356 | .27107 | -.00273 | 2.8274 | .47477 | 2.2135 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.956 | .00728 | .20163 | 4.6283 | 4.0479 | .06181 | 2.1149 |
| Stddev | .001   | .00010 | .02201 | .0450  | .0130  | .00122 | .0107  |
| %RSD   | .00731 | 1.3603 | 10.914 | .97136 | .32154 | 1.9806 | .50735 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.956 | .00735 | .21719 | 4.6601 | 4.0571 | .06268 | 2.1073 |
| #2 | 10.957 | .00721 | .18607 | 4.5965 | 4.0387 | .06095 | 2.1225 |



Sample Name: J6168-03      Acquired: 12/4/2018 20:23:04      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .17761 | 9.406  | .04020 | <.00000 | F<.00000 |
| Stddev | .00253 | .058   | .01200 | .07321  | 1.8088   |
| %RSD   | 1.4225 | .6124  | 29.856 | 1.4036  | 1.7747   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .17582 | 9.446 | .03172 | -5.1640 | -100.65 |
| #2 | .17939 | 9.365 | .04869 | -5.2675 | -103.21 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4370.3 | 75085. | 4712.7 | 88.491 | 3571.3 |
| Stddev    | 1.3    | 63.    | 7.3    | 3.595  | 17.6   |
| %RSD      | .02884 | .08402 | .15478 | 4.0622 | .49389 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4371.2 | 75041. | 4717.8 | 85.949 | 3558.8 |
| #2 | 4369.5 | 75130. | 4707.5 | 91.033 | 3583.8 |

Sample Name: J6168-08      Acquired: 12/4/2018 20:27:07      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05707 | -.00683 | 1.4313 | .04964 | .00395 | 126.69 | 1.2776 |
| Stddev | .00003 | .00038  | .0002  | .00001 | .00056 | .46    | .0172  |
| %RSD   | .04993 | 5.5067  | .01426 | .02337 | 14.172 | .36307 | 1.3442 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .05705 | -.00656 | 1.4312 | .04965 | .00355 | 127.02 | 1.2897 |
| #2 | .05709 | -.00709 | 1.4315 | .04963 | .00435 | 126.37 | 1.2654 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00897 | .00048 | 55.997 | .23976 | .11567 | .36759 | 271.35 |
| Stddev | .00000 | .00042 | .684   | .00165 | .00004 | .00159 | 2.02   |
| %RSD   | .03184 | 87.230 | 1.2207 | .68947 | .03410 | .43170 | .74470 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00897 | .00018 | 56.480 | .24093 | .11564 | .36872 | 272.78 |
| #2 | .00897 | .00078 | 55.513 | .23859 | .11569 | .36647 | 269.92 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.8270 | 42.160 | .20964 | -.00098 | 1.8487 | .42053 | 1.7453 |
| Stddev | .0085  | .379   | .00093 | .00002  | .0374  | .00240 | .0178  |
| %RSD   | .14553 | .89968 | .44327 | 1.5637  | 2.0228 | .57161 | 1.0195 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.8330 | 42.428 | .21030 | -.00097 | 1.8752 | .42223 | 1.7579 |
| #2 | 5.8210 | 41.892 | .20898 | -.00099 | 1.8223 | .41883 | 1.7327 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.378 | .00333 | .21796 | 2.7233 | 6.5790 | .11035 | 2.9068 |
| Stddev | .206   | .00008 | .00602 | .0197  | .0934  | .00014 | .0247  |
| %RSD   | 1.5380 | 2.2676 | 2.7598 | .72170 | 1.4195 | .12792 | .84852 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.524 | .00338 | .21371 | 2.7372 | 6.6451 | .11025 | 2.9242 |
| #2 | 13.233 | .00327 | .22222 | 2.7094 | 6.5130 | .11045 | 2.8893 |

Sample Name: J6168-08      Acquired: 12/4/2018 20:27:07      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S2      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |         |         |          |
|-----------|--------|--------|---------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg       | .16882 | 7.740  | -.04207 | <.00000 | F<.00000 |
| Stddev    | .00064 | .002   | .00067  | .19686  | .78945   |
| %RSD      | .37915 | .0281  | 1.5952  | 3.3503  | .74617   |
| #1        | .16927 | 7.739  | -.04159 | -5.7367 | -105.24  |
| #2        | .16837 | 7.742  | -.04254 | -6.0151 | -106.36  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4526.5 | 77167. | 4885.8  | 90.401  | 3606.5   |
| Stddev    | 3.9    | 318.   | 58.0    | .765    | 8.2      |
| %RSD      | .08545 | .41238 | 1.1877  | .84676  | .22668   |
| #1        | 4529.2 | 76942. | 4844.8  | 89.860  | 3612.3   |
| #2        | 4523.7 | 77392. | 4926.9  | 90.942  | 3600.7   |

Sample Name: J6168-14      Acquired: 12/4/2018 20:31:10      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S3      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .06852 | -.00638 | 1.8080 | .04237 | .00321 | 132.76 | 1.3736 |
| Stddev | .00043 | .00134  | .0042  | .00197 | .00337 | .04    | .0132  |
| %RSD   | .63133 | 21.013  | .23127 | 4.6552 | 105.08 | .03158 | .96406 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .06882 | -.00543 | 1.8050 | .04376 | .00082 | 132.79 | 1.3830 |
| #2 | .06821 | -.00733 | 1.8109 | .04097 | .00559 | 132.73 | 1.3643 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00848 | .00105 | 99.159 | .25703 | .09668 | .43190 | 235.54 |
| Stddev | .00012 | .00054 | 1.013  | .00047 | .00005 | .00108 | 5.81   |
| %RSD   | 1.3663 | 51.287 | 1.0213 | .18312 | .05625 | .24955 | 2.4680 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00839 | .00067 | 99.875 | .25670 | .09665 | .43114 | 239.65 |
| #2 | .00856 | .00143 | 98.442 | .25736 | .09672 | .43266 | 231.43 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.1510 | 42.537 | .21053 | -.00149 | 2.4256 | .44305 | 1.5834 |
| Stddev | .0322  | .462   | .00048 | .00136  | .0226  | .00007 | .0397  |
| %RSD   | .77587 | 1.0857 | .22637 | 90.937  | .93076 | .01598 | 2.5056 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.1738 | 42.864 | .21087 | -.00053 | 2.4416 | .44310 | 1.6114 |
| #2 | 4.1282 | 42.211 | .21019 | -.00245 | 2.4096 | .44300 | 1.5553 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.8809 | .00486 | .18436 | 2.7256 | 8.3139 | .10280 | 2.0754 |
| Stddev | .1411  | .00013 | .00046 | .0094  | .0892  | .00179 | .0201  |
| %RSD   | 1.4279 | 2.5974 | .24762 | .34524 | 1.0734 | 1.7406 | .96729 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.9806 | .00477 | .18469 | 2.7323 | 8.3770 | .10153 | 2.0896 |
| #2 | 9.7811 | .00495 | .18404 | 2.7190 | 8.2508 | .10407 | 2.0612 |

Sample Name: J6168-14      Acquired: 12/4/2018 20:31:10      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S3      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .16258 | 9.971  | .19208 | <.00000 | F<.00000 |
| Stddev | .00149 | .000   | .00177 | .05013  | .46126   |
| %RSD   | .91488 | .0045  | .91924 | 1.1694  | .56311   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .16363 | 9.970 | .19084 | -4.3219 | -82.239 |
| #2 | .16153 | 9.971 | .19333 | -4.2510 | -81.587 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4365.6 | 74286. | 4718.4 | 90.365 | 3595.5 |
| Stddev    | 6.6    | 193.   | 55.3   | 2.328  | .7     |
| %RSD      | .15184 | .25948 | 1.1727 | 2.5758 | .02010 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4360.9 | 74149. | 4679.3 | 88.719 | 3596.0 |
| #2 | 4370.3 | 74422. | 4757.5 | 92.011 | 3595.0 |

Sample Name: J6168-19      Acquired: 12/4/2018 20:35:12      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S4      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .03098 | -.00383 | .14979 | .02977 | -.00115 | 87.960 | .71354 |
| Stddev | .00125 | .00081  | .00067 | .00321 | .00088  | .007   | .00733 |
| %RSD   | 4.0452 | 21.113  | .44651 | 10.790 | 76.083  | .00824 | 1.0275 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .03010 | -.00326 | .15026 | .02750 | -.00053 | 87.955 | .71873 |
| #2 | .03187 | -.00440 | .14931 | .03205 | -.00177 | 87.965 | .70836 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00371 | -.00307 | 135.49 | .16196 | .05146 | .14438 | 172.93 |
| Stddev | .00001 | .00057  | .70    | .00048 | .00039 | .00065 | 4.61   |
| %RSD   | .31835 | 18.695  | .51954 | .29876 | .75831 | .45277 | 2.6645 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00372 | -.00267 | 135.99 | .16230 | .05118 | .14485 | 169.67 |
| #2 | .00370 | -.00348 | 134.99 | .16162 | .05173 | .14392 | 176.19 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.1436 | 34.983 | .09325 | -.00441 | 1.3170 | .25430 | .41690 |
| Stddev | .0017  | .280   | .00086 | .00014  | .0103  | .00046 | .00994 |
| %RSD   | .07743 | .80126 | .92289 | 3.2115  | .78025 | .18153 | 2.3854 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.1448 | 35.181 | .09265 | -.00452 | 1.3098 | .25462 | .40987 |
| #2 | 2.1424 | 34.785 | .09386 | -.00431 | 1.3243 | .25397 | .42393 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.1793 | .00427 | .12165 | 1.0336 | 2.6276 | .00781 | 1.0023 |
| Stddev | .0507  | .00032 | .00310 | .0026  | .0329  | .00008 | .0040  |
| %RSD   | .82052 | 7.3906 | 2.5450 | .25433 | 1.2524 | .98043 | .40230 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.2151 | .00449 | .11946 | 1.0318 | 2.6509 | .00787 | .99947 |
| #2 | 6.1434 | .00405 | .12384 | 1.0355 | 2.6043 | .00776 | 1.0052 |

Sample Name: J6168-19      Acquired: 12/4/2018 20:35:12      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S4      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .08444 | 5.581  | .10029 | <.00000 | F<.00000 |
| Stddev | .00041 | .020   | .00636 | .43717  | 1.5504   |
| %RSD   | .48439 | .3609  | 6.3434 | 16.632  | 3.5646   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .08415 | 5.567 | .10479 | -2.9376 | -42.399 |
| #2 | .08473 | 5.595 | .09579 | -2.3194 | -44.592 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4192.9 | 71529. | 4511.1 | 90.809 | 3647.4 |
| Stddev    | 12.8   | 18.    | 31.2   | 2.002  | .1     |
| %RSD      | .30470 | .02549 | .69116 | 2.2048 | .00378 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4183.8 | 71542. | 4489.0 | 92.225 | 3647.3 |
| #2 | 4201.9 | 71517. | 4533.1 | 89.394 | 3647.5 |

Sample Name: J6168-23      Acquired: 12/4/2018 20:39:13      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S5      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .08450 | -.00627 | 2.3819 | .04791 | .00465 | 121.17 | 1.8040 |
| Stddev | .00255 | .00046  | .0080  | .00228 | .00013 | .11    | .0106  |
| %RSD   | 3.0144 | 7.3716  | .33796 | 4.7611 | 2.6963 | .09412 | .58984 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .08270 | -.00594 | 2.3762 | .04630 | .00456 | 121.09 | 1.8115 |
| #2 | .08630 | -.00659 | 2.3876 | .04953 | .00473 | 121.25 | 1.7964 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00812 | .00723 | 104.60 | .26694 | .09979 | .68811 | 248.93 |
| Stddev | .00002 | .00001 | .27    | .00082 | .00016 | .00177 | 1.97   |
| %RSD   | .22767 | .11202 | .25981 | .30777 | .15630 | .25789 | .78981 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00814 | .00724 | 104.79 | .26636 | .09968 | .68937 | 247.54 |
| #2 | .00811 | .00723 | 104.40 | .26752 | .09990 | .68686 | 250.32 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.2778 | 36.746 | .21605 | -.00065 | 2.4943 | .54111 | 2.8625 |
| Stddev | .0086  | .170   | .00081 | .00050  | .0218  | .00038 | .0019  |
| %RSD   | .19985 | .46268 | .37615 | 77.526  | .87230 | .07068 | .06448 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.2839 | 36.866 | .21548 | -.00101 | 2.4789 | .54138 | 2.8612 |
| #2 | 4.2718 | 36.626 | .21663 | -.00029 | 2.5097 | .54084 | 2.8638 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.796 | .00682 | .19996 | 4.7477 | 2.9574 | .21875 | 2.6118 |
| Stddev | .038   | .00031 | .00536 | .0259  | .0358  | .00272 | .0079  |
| %RSD   | .34855 | 4.5847 | 2.6826 | .54467 | 1.2091 | 1.2433 | .30247 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.823 | .00704 | .19617 | 4.7294 | 2.9322 | .21683 | 2.6062 |
| #2 | 10.770 | .00660 | .20375 | 4.7660 | 2.9827 | .22068 | 2.6174 |



Sample Name: J6168-23      Acquired: 12/4/2018 20:39:13      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S5      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .16526 | 8.122  | .16670 | <.00000 | F<.00000 |
| Stddev | .00001 | .036   | .00243 | .54641  | .76222   |
| %RSD   | .00528 | .4418  | 1.4550 | 11.151  | .86370   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .16526 | 8.096 | .16841 | -4.5138 | -88.790 |
| #2 | .16527 | 8.147 | .16498 | -5.2866 | -87.712 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4420.0 | 75162. | 4734.5 | 89.616 | 3589.3 |
| Stddev    | 2.1    | 249.   | 32.5   | .160   | 13.2   |
| %RSD      | .04858 | .33131 | .68747 | .17840 | .36822 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4421.5 | 74986. | 4711.4 | 89.729 | 3598.6 |
| #2 | 4418.4 | 75338. | 4757.5 | 89.503 | 3579.9 |

Sample Name: J6168-28      Acquired: 12/4/2018 20:43:17      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S6      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05299 | -.00438 | 1.1331 | .03382 | .00041 | 116.81 | .86869 |
| Stddev | .00312 | .00098  | .0018  | .00267 | .00128 | .91    | .00424 |
| %RSD   | 5.8908 | 22.379  | .15569 | 7.8995 | 313.35 | .77485 | .48828 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .05078 | -.00507 | 1.1344 | .03571 | .00131  | 116.17 | .86569 |
| #2 | .05519 | -.00368 | 1.1319 | .03193 | -.00050 | 117.45 | .87169 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00549 | -.00077 | 309.62 | .23889 | .06391 | .29514 | 186.83 |
| Stddev | .00002 | .00021  | .38    | .00128 | .00007 | .00166 | .67    |
| %RSD   | .35955 | 27.005  | .12385 | .53736 | .10616 | .56213 | .35693 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00548 | -.00062 | 309.35 | .23798 | .06387 | .29397 | 186.36 |
| #2 | .00551 | -.00092 | 309.89 | .23979 | .06396 | .29631 | 187.30 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.1142 | 42.557 | .13756 | -.00411 | 1.4978 | .37001 | 1.1534 |
| Stddev | .0087  | .103   | .00126 | .00009  | .0082  | .00042 | .0027  |
| %RSD   | .28022 | .24215 | .91821 | 2.1948  | .54599 | .11386 | .23093 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.1080 | 42.485 | .13667 | -.00405 | 1.4920 | .36971 | 1.1515 |
| #2 | 3.1204 | 42.630 | .13845 | -.00417 | 1.5036 | .37031 | 1.1553 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.5296 | .00607 | .13408 | 2.1336 | 3.3116 | .07464 | 1.5839 |
| Stddev | .0124  | .00000 | .00647 | .0005  | .0271  | .00015 | .0046  |
| %RSD   | .16521 | .02300 | 4.8230 | .02224 | .81788 | .19969 | .28702 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.5208 | .00607 | .12951 | 2.1333 | 3.3307 | .07475 | 1.5806 |
| #2 | 7.5384 | .00607 | .13865 | 2.1340 | 3.2924 | .07454 | 1.5871 |

Sample Name: J6168-28      Acquired: 12/4/2018 20:43:17      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S6      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .10893 | 5.717  | .38606 | <.00000 | F<.00000 |
| Stddev    | .00114 | .005   | .00004 | .37071  | 1.3303   |
| %RSD      | 1.0498 | .0832  | .01140 | 32.256  | 3.0016   |
| #1        | .10812 | 5.721  | .38609 | -1.4114 | -45.262  |
| #2        | .10973 | 5.714  | .38603 | -.88713 | -43.381  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 4048.0 | 68604. | 4418.7 | 86.709  | 3453.9   |
| Stddev    | 14.8   | 236.   | 1.8    | .064    | 9.5      |
| %RSD      | .36527 | .34329 | .04011 | .07329  | .27617   |
| #1        | 4037.6 | 68770. | 4417.4 | 86.754  | 3447.1   |
| #2        | 4058.5 | 68437. | 4419.9 | 86.664  | 3460.6   |

Sample Name: J6184-01      Acquired: 12/4/2018 20:47:16      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RO-331      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .07117 | -.00622 | 1.3098 | .03293 | .01790 | 76.624 | .61721 |
| Stddev | .00035 | .00044  | .0008  | .00222 | .00052 | .077   | .00265 |
| %RSD   | .49137 | 7.0332  | .05824 | 6.7345 | 2.9034 | .10101 | .42884 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .07092 | -.00591 | 1.3092 | .03136 | .01826 | 76.679 | .61908 |
| #2 | .07141 | -.00653 | 1.3103 | .03449 | .01753 | 76.570 | .61534 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00654 | -.00127 | 45.775 | .50711 | .10044 | .71448 | 178.86 |
| Stddev | .00013 | .00026  | .053   | .00205 | .00057 | .00147 | .78    |
| %RSD   | 1.9196 | 20.608  | .11655 | .40453 | .56670 | .20578 | .43852 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00663 | -.00145 | 45.738 | .50856 | .10004 | .71344 | 179.42 |
| #2 | .00645 | -.00108 | 45.813 | .50566 | .10085 | .71552 | 178.31 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.0981 | 47.096 | .23768 | -.00247 | 5.7695 | .31525 | 2.6351 |
| Stddev | .0006  | .072   | .00005 | .00069  | .0172  | .00041 | .0073  |
| %RSD   | .02606 | .15298 | .02214 | 28.177  | .29838 | .13030 | .27604 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.0977 | 47.045 | .23772 | -.00197 | 5.7816 | .31554 | 2.6402 |
| #2 | 2.0985 | 47.147 | .23764 | -.00296 | 5.7573 | .31496 | 2.6300 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 13.056 | .00757 | .30891 | F 14.513 | 6.7060 | .11693 | 3.7424 |
| Stddev | .044   | .00008 | .00578 | .103     | .0400  | .00029 | .0011  |
| %RSD   | .33702 | 1.1040 | 1.8707 | .71030   | .59693 | .24962 | .02929 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.087 | .00751 | .30482 | 14.440 | 6.6777 | .11673 | 3.7432 |
| #2 | 13.025 | .00763 | .31299 | 14.585 | 6.7343 | .11714 | 3.7417 |

Sample Name: J6184-01      Acquired: 12/4/2018 20:47:16      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RO-331      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .14019 | 6.469  | .06783 | <.00000 | F<.00000 |
| Stddev | .00000 | .005   | .00024 | .24155  | .91446   |
| %RSD   | .00086 | .0786  | .35423 | 10.666  | 1.9717   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .14019 | 6.466 | .06766 | -2.4356 | -45.734 |
| #2 | .14019 | 6.473 | .06800 | -2.0940 | -47.027 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4185.1 | 71307. | 4397.8 | 92.018 | 3706.5 |
| Stddev    | 9.1    | 138.   | 1.4    | .490   | 8.1    |
| %RSD      | .21705 | .19308 | .03123 | .53268 | .21873 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4178.7 | 71404. | 4398.8 | 91.672 | 3700.8 |
| #2 | 4191.5 | 71210. | 4396.8 | 92.365 | 3712.2 |

Sample Name: CCV07      Acquired: 12/4/2018 20:51:06      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14271      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.6339 | 4.7327 | 4.6823 | 4.6108 | 4.6325 | 9.1166 | 9.7025 | .23826   |
| Stddev | .0019  | .0048  | .0082  | .0078  | .0046  | .0776  | .0051  | .00008   |
| %RSD   | .04132 | .10090 | .17432 | .16936 | .09952 | .85120 | .05243 | .03210   |
| #1     | 4.6326 | 4.7361 | 4.6881 | 4.6163 | 4.6357 | 9.0617 | 9.6989 | .23820   |
| #2     | 4.6353 | 4.7293 | 4.6766 | 4.6052 | 4.6292 | 9.1715 | 9.7061 | .23831   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3544 | 24.230 | .95888 | 2.3273 | 1.1914 | 4.8101 | 2.4284 | 24.268   |
| Stddev | .0019  | .079   | .00194 | .0034  | .0019  | .0419  | .0038  | .049     |
| %RSD   | .08089 | .32644 | .20188 | .14630 | .15736 | .87169 | .15750 | .20383   |
| #1     | 2.3557 | 24.174 | .95751 | 2.3297 | 1.1901 | 4.8397 | 2.4257 | 24.303   |
| #2     | 2.3530 | 24.286 | .96025 | 2.3249 | 1.1927 | 4.7804 | 2.4311 | 24.233   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3498 | 1.1657 | 24.045 | 2.3412 | 2.5053 | 24.402 | 4.7551 | 4.8970   |
| Stddev | .0043  | .0004  | .110   | .0032  | .0387  | .037   | .0031  | .0040    |
| %RSD   | .18230 | .02994 | .45733 | .13494 | 1.5439 | .15309 | .06586 | .08195   |
| #1     | 2.3528 | 1.1660 | 24.123 | 2.3389 | 2.5327 | 24.376 | 4.7573 | 4.8998   |
| #2     | 2.3467 | 1.1655 | 23.967 | 2.3434 | 2.4780 | 24.429 | 4.7529 | 4.8941   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.5258 | 4.8870 | 4.6959 | 4.8048 | 4.8321 | 4.632  | 4.8008 | F .86163 |
| Stddev | .0187  | .0264  | .0080  | .0045  | .0033  | .016   | .0210  | .10776   |
| %RSD   | .41276 | .54108 | .17025 | .09382 | .06915 | .3473  | .43819 | 12.507   |
| #1     | 4.5390 | 4.9057 | 4.6902 | 4.8080 | 4.8345 | 4.643  | 4.8157 | .93783   |
| #2     | 4.5126 | 4.8683 | 4.7015 | 4.8016 | 4.8298 | 4.620  | 4.7859 | .78543   |

Sample Name: CCV07      Acquired: 12/4/2018 20:51:06      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14271      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 3.3591  
 Stddev      .0543  
 %RSD      1.6170

#1      3.3975  
 #2      3.3207

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3829.2 | 64442. | 3906.8 | 86.851 | 3733.6 |
| Stddev    | 8.9    | 268.   | 13.5   | 1.428  | 10.3   |
| %RSD      | .23164 | .41515 | .34514 | 1.6444 | .27538 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3822.9 | 64631. | 3897.3 | 85.841 | 3726.3 |
| #2 | 3835.5 | 64253. | 3916.4 | 87.861 | 3740.8 |

Sample Name: CCB07      Acquired: 12/4/2018 20:54:51      Type: Unk  
Method: P4-ICP2(v2628)      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    | .00002 | .00014 | .00081 | -.00007 | -.00038 | .01205 | .00137 |
| Stddev | .00240 | .00014 | .00014 | .00354  | .00075  | .01034 | .00058 |
| %RSD   | 11829. | 101.97 | 17.256 | 4818.5  | 198.74  | 85.862 | 42.168 |

|    |         |        |        |         |         |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|
| #1 | -.00168 | .00004 | .00071 | .00243  | .00015  | .00473 | .00178 |
| #2 | .00172  | .00023 | .00091 | -.00258 | -.00091 | .01936 | .00096 |

|        |         |         |        |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00003 | -.00006 | .00382 | -.00004 | -.00004 | -.00003 | -.00028 |
| Stddev | .00002  | .00003  | .01400 | .00001  | .00018  | .00014  | .00737  |
| %RSD   | 89.390  | 49.089  | 366.84 | 12.172  | 448.20  | 440.73  | 2603.0  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00001 | -.00008 | .01371  | -.00005 | -.00017 | .00007  | -.00550 |
| #2 | -.00004 | -.00004 | -.00608 | -.00004 | .00009  | -.00013 | .00493  |

|        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00004 | .03692 | .00012 | -.00024 | .05257 | .00037 | -.00132 |
| Stddev | .00000 | .03401 | .00028 | .00045  | .01019 | .00015 | .00001  |
| %RSD   | 3.5338 | 92.125 | 229.06 | 183.25  | 19.391 | 41.271 | .62736  |

|    |        |        |         |         |        |        |         |
|----|--------|--------|---------|---------|--------|--------|---------|
| #1 | .00004 | .06097 | .00032  | -.00056 | .04536 | .00026 | -.00131 |
| #2 | .00004 | .01287 | -.00008 | .00007  | .05978 | .00048 | -.00132 |

|        |         |         |         |          |         |         |        |
|--------|---------|---------|---------|----------|---------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820   | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm    |
| Avg    | -.03850 | -.00003 | -.00914 | F .01203 | -.00054 | -.00179 | .00225 |
| Stddev | .00042  | .00015  | .00805  | .00156   | .00156  | .00040  | .00068 |
| %RSD   | 1.1020  | 491.12  | 88.073  | 13.006   | 286.46  | 22.167  | 30.113 |

|    |         |         |         |        |         |         |        |
|----|---------|---------|---------|--------|---------|---------|--------|
| #1 | -.03820 | .00007  | -.01483 | .01313 | -.00165 | -.00207 | .00177 |
| #2 | -.03880 | -.00014 | -.00345 | .01092 | .00056  | -.00151 | .00273 |



Sample Name: CCB07      Acquired: 12/4/2018 20:54:51      Type: Unk  
 Method: P4-ICP2(v2628)      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    | -.00302 | .0001  | .00006 | F<.00000 | F .58898 |
| Stddev | .00198  | .0025  | .00016 | .04650   | .10774   |
| %RSD   | 65.622  | 1933.  | 268.51 | 4.6778   | 18.292   |

|    |         |        |         |         |        |
|----|---------|--------|---------|---------|--------|
| #1 | -.00442 | .0019  | .00017  | -1.0270 | .51280 |
| #2 | -.00162 | -.0016 | -.00005 | -.96126 | .66516 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3976.0 | 67485. | 3966.1 | 92.779 | 4274.1 |
| Stddev    | 11.0   | 350.   | 15.4   | .230   | 16.6   |
| %RSD      | .27760 | .51929 | .38866 | .24770 | .38953 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3983.8 | 67733. | 3977.0 | 92.617 | 4285.9 |
| #2 | 3968.2 | 67237. | 3955.2 | 92.942 | 4262.3 |

Sample Name: J6192-01      Acquired: 12/4/2018 20:58:56      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HD-02-120318      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.01344 | -.04706 | .07120 | .21079 | -.00026 | 311.84 | .66963 |
| Stddev | .00108  | .00066  | .00204 | .00234 | .00316  | 1.54   | .00393 |
| %RSD   | 8.0270  | 1.3931  | 2.8662 | 1.1104 | 1229.9  | .49442 | .58685 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | -.01420 | -.04752 | .07264 | .20913 | .00198  | 310.74 | .67241 |
| #2 | -.01268 | -.04659 | .06975 | .21244 | -.00249 | 312.93 | .66686 |

|        |        |         |        |        |        |        |          |
|--------|--------|---------|--------|--------|--------|--------|----------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01245 | -.01267 | 25.674 | .48062 | .53461 | .72409 | F 1085.4 |
| Stddev | .00013 | .00119  | .294   | .00185 | .00199 | .00247 | 15.5     |
| %RSD   | 1.0111 | 9.4284  | 1.1466 | .38494 | .37231 | .34063 | 1.4254   |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01236 | -.01182 | 25.882 | .48193 | .53320 | .72584 | 1074.5 |
| #2 | .01253 | -.01351 | 25.466 | .47932 | .53602 | .72235 | 1096.3 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.3137 | 76.754 | .45256 | .01185 | 3.1980 | 2.1488 | 1.0027 |
| Stddev | .0307  | 1.250  | .00103 | .00220 | .0462  | .0043  | .0124  |
| %RSD   | .32995 | 1.6292 | .22848 | 18.545 | 1.4433 | .20103 | 1.2407 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.2920 | 77.638 | .45183 | .01029 | 3.2306 | 2.1519 | .99392 |
| #2 | 9.3354 | 75.870 | .45330 | .01340 | 3.1653 | 2.1458 | 1.0115 |

|        |        |         |        |        |        |        |          |
|--------|--------|---------|--------|--------|--------|--------|----------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 6.1283 | -.00187 | 1.0404 | 3.6573 | 4.1987 | .02717 | F 16.567 |
| Stddev | .0074  | .00067  | .0133  | .0096  | .0917  | .00095 | .169     |
| %RSD   | .12076 | 35.651  | 1.2737 | .26299 | 2.1836 | 3.4955 | 1.0176   |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 6.1336 | -.00140 | 1.0310 | 3.6505 | 4.2635 | .02784 | 16.686 |
| #2 | 6.1231 | -.00235 | 1.0498 | 3.6641 | 4.1338 | .02650 | 16.448 |

Sample Name: J6192-01      Acquired: 12/4/2018 20:58:56      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HD-02-120318      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |           |         |         |
|--------|--------|--------|-----------|---------|---------|
| Elem   | Li6707 | P_1774 | Sr4077    | U_3670  | U_3859  |
| Units  | ppm    | ppm    | ppm       | ppm     | ppm     |
| Avg    | .16664 | 8.801  | F -1.0354 | <.00000 | ^ ***** |
| Stddev | .00003 | .001   | .0170     | .27559  | -----   |
| %RSD   | .02074 | .0092  | 1.6467    | 3.6307  | -----   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .16662 | 8.800 | -1.0234 | -7.3958 | ^ ----- |
| #2 | .16667 | 8.801 | -1.0475 | -7.7856 | ^ ----- |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4818.7 | 80830. | 5284.6 | 80.956 | 3108.6 |
| Stddev    | 3.0    | 81.    | 63.5   | 1.081  | 5.9    |
| %RSD      | .06202 | .09961 | 1.2015 | 1.3354 | .18993 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4820.9 | 80887. | 5239.7 | 81.721 | 3112.8 |
| #2 | 4816.6 | 80773. | 5329.5 | 80.192 | 3104.4 |

Sample Name: J6198-01      Acquired: 12/4/2018 21:02:58      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SA-06-120318      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .02460 | -.00329 | .56223 | .02654 | -.00051 | 70.206 | .30305 |
| Stddev | .00047 | .00027  | .00183 | .00359 | .00136  | .363   | .00177 |
| %RSD   | 1.8913 | 8.2367  | .32616 | 13.516 | 267.88  | .51760 | .58456 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .02493 | -.00309 | .56093 | .02908 | -.00147 | 70.463 | .30430 |
| #2 | .02427 | -.00348 | .56353 | .02400 | .00046  | 69.950 | .30179 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00388 | -.00271 | 34.310 | .37230 | .05394 | .32143 | 146.37 |
| Stddev | .00008 | .00015  | .250   | .00081 | .00016 | .00160 | .38    |
| %RSD   | 2.0125 | 5.3455  | .72974 | .21709 | .30072 | .49629 | .26284 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00393 | -.00282 | 34.487 | .37173 | .05405 | .32030 | 146.64 |
| #2 | .00382 | -.00261 | 34.133 | .37287 | .05382 | .32255 | 146.10 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .90895 | 19.751 | .08897 | -.00398 | 3.6959 | .29893 | .48508 |
| Stddev | .00093 | .079   | .00017 | .00022  | .0121  | .00164 | .00124 |
| %RSD   | .10189 | .39867 | .19215 | 5.4406  | .32864 | .54830 | .25576 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .90830 | 19.807 | .08885 | -.00413 | 3.7045 | .29777 | .48596 |
| #2 | .90961 | 19.696 | .08910 | -.00382 | 3.6873 | .30009 | .48421 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.6368 | .00258 | .18434 | 2.0044 | 2.7780 | .01050 | 1.5516 |
| Stddev | .0249  | .00008 | .00411 | .0096  | .0174  | .00000 | .0001  |
| %RSD   | .44125 | 3.1209 | 2.2278 | .48044 | .62513 | .02905 | .00952 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.6192 | .00252 | .18724 | 2.0112 | 2.7903 | .01049 | 1.5515 |
| #2 | 5.6544 | .00264 | .18144 | 1.9976 | 2.7658 | .01050 | 1.5517 |

Sample Name: J6198-01      Acquired: 12/4/2018 21:02:58      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SA-06-120318      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .05500 | 3.492  | -.02329 | <.00000 | F<.00000 |
| Stddev | .00062 | .006   | .00013  | .05504  | .01776   |
| %RSD   | 1.1260 | .1822  | .56941  | 2.6668  | .06391   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .05544 | 3.488 | -.02319 | -2.0248 | -27.801 |
| #2 | .05456 | 3.497 | -.02338 | -2.1026 | -27.776 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4266.4 | 71832. | 4428.8 | 92.453 | 3885.9 |
| Stddev    | 4.6    | 230.   | 29.6   | .363   | 3.1    |
| %RSD      | .10675 | .31986 | .66893 | .39261 | .08007 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4269.6 | 71669. | 4407.9 | 92.196 | 3888.1 |
| #2 | 4263.2 | 71994. | 4449.8 | 92.710 | 3883.7 |

Sample Name: J6201-01      Acquired: 12/4/2018 21:06:51      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 72-11932-72-      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .09532 | -.00263 | .34105 | .04199 | -.00065 | 100.86 | .53444 |
| Stddev | .00228 | .00245  | .00085 | .00109 | .00116  | .05    | .00566 |
| %RSD   | 2.3898 | 92.892  | .24889 | 2.6031 | 178.22  | .05299 | 1.0583 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .09371 | -.00437 | .34045 | .04121 | .00017  | 100.82 | .53844 |
| #2 | .09694 | -.00090 | .34165 | .04276 | -.00148 | 100.89 | .53044 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00749 | -.00559 | 60.934 | .25365 | .05596 | .12383 | 229.07 |
| Stddev | .00001 | .00053  | .237   | .00073 | .00019 | .00096 | 3.49   |
| %RSD   | .08869 | 9.4184  | .38960 | .28903 | .33782 | .77403 | 1.5242 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00750 | -.00522 | 61.102 | .25417 | .05610 | .12315 | 226.60 |
| #2 | .00749 | -.00596 | 60.766 | .25314 | .05583 | .12451 | 231.54 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.6572 | 35.361 | .06279 | -.00699 | 9.8729 | .35125 | .41757 |
| Stddev | .0013  | .363   | .00029 | .00068  | .0509  | .00150 | .00559 |
| %RSD   | .07997 | 1.0279 | .45427 | 9.6815  | .51553 | .42835 | 1.3394 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.6563 | 35.618 | .06259 | -.00746 | 9.9089 | .35232 | .41362 |
| #2 | 1.6582 | 35.104 | .06299 | -.00651 | 9.8369 | .35019 | .42153 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.495 | .00644 | .18892 | 1.1545 | 3.6811 | .01574 | 1.0032 |
| Stddev | .114   | .00028 | .00396 | .0028  | .0157  | .00086 | .0040  |
| %RSD   | .91609 | 4.3656 | 2.0974 | .24608 | .42721 | 5.4708 | .39488 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.576 | .00624 | .19172 | 1.1525 | 3.6700 | .01635 | 1.0060 |
| #2 | 12.414 | .00664 | .18612 | 1.1565 | 3.6922 | .01513 | 1.0004 |

Sample Name: J6201-01      Acquired: 12/4/2018 21:06:51      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 72-11932-72-      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .06950 | 3.948  | -.11561 | <.00000 | F<.00000 |
| Stddev | .00019 | .001   | .00383  | .38887  | .52739   |
| %RSD   | .26967 | .0161  | 3.3169  | 17.551  | .72393   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .06964 | 3.948 | -.11290 | -2.4906 | -72.478 |
| #2 | .06937 | 3.947 | -.11832 | -1.9406 | -73.224 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4232.8 | 71026. | 4446.9 | 90.405 | 3701.6 |
| Stddev    | 4.7    | 107.   | 23.9   | 1.395  | 9.5    |
| %RSD      | .11136 | .15076 | .53646 | 1.5433 | .25536 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4229.5 | 71101. | 4430.1 | 91.392 | 3695.0 |
| #2 | 4236.2 | 70950. | 4463.8 | 89.419 | 3708.3 |

Sample Name: J6206-01      Acquired: 12/4/2018 21:10:51      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-5A-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01175 | -.00179 | .06943 | .01543 | .00032 | 59.529 | .12496 |
| Stddev | .00136 | .00072  | .00097 | .00440 | .00091 | .151   | .00076 |
| %RSD   | 11.559 | 40.103  | 1.3902 | 28.519 | 280.35 | .25402 | .60717 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .01271 | -.00128 | .07011 | .01854 | .00096  | 59.422 | .12443 |
| #2 | .01079 | -.00229 | .06875 | .01232 | -.00032 | 59.636 | .12550 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00231 | -.00213 | 1.1389 | .13210 | .03266 | .05452 | 87.103 |
| Stddev | .00009 | .00007  | .0006  | .00069 | .00012 | .00086 | .944   |
| %RSD   | 3.9083 | 3.3044  | .04818 | .52304 | .36130 | 1.5838 | 1.0834 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00225 | -.00208 | 1.1393 | .13161 | .03274 | .05513 | 86.435 |
| #2 | .00237 | -.00218 | 1.1385 | .13259 | .03258 | .05391 | 87.770 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .84438 | 10.323 | .09571 | -.00293 | .14267 | .11275 | .24948 |
| Stddev | .00080 | .215   | .00010 | .00009  | .00497 | .00008 | .00266 |
| %RSD   | .09423 | 2.0864 | .10536 | 2.9948  | 3.4870 | .06670 | 1.0670 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .84382 | 10.171 | .09578 | -.00287 | .13916 | .11281 | .24760 |
| #2 | .84494 | 10.475 | .09563 | -.00299 | .14619 | .11270 | .25136 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4888 | .00183 | .05292 | 1.3199 | 2.6347 | .00075 | 1.4629 |
| Stddev | .0358  | .00015 | .00076 | .0104  | .0232  | .00121 | .0137  |
| %RSD   | 1.4388 | 8.1866 | 1.4378 | .78461 | .88096 | 162.15 | .93611 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 2.4635 | .00194 | .05238 | 1.3272 | 2.6183 | -.00011 | 1.4532 |
| #2 | 2.5141 | .00173 | .05345 | 1.3126 | 2.6511 | .00161  | 1.4725 |



Sample Name: J6206-01      Acquired: 12/4/2018 21:10:51      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-5A-(      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .03977 | 1.466  | -.08607 | <.00000 | F<.00000 |
| Stddev | .00035 | .006   | .00100  | .02978  | .50209   |
| %RSD   | .88458 | .3994  | 1.1633  | 1.8910  | 7.3306   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .03952 | 1.470 | -.08536 | -1.5961 | -7.2042 |
| #2 | .04002 | 1.461 | -.08678 | -1.5539 | -6.4942 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4221.6 | 70417. | 4320.6 | 93.021 | 4098.0 |
| Stddev    | 13.5   | 73.    | 7.0    | 1.034  | 6.8    |
| %RSD      | .31860 | .10396 | .16257 | 1.1120 | .16571 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4212.1 | 70468. | 4325.6 | 93.752 | 4093.2 |
| #2 | 4231.1 | 70365. | 4315.7 | 92.289 | 4102.9 |

Sample Name: J6206-03      Acquired: 12/4/2018 21:14:49      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-5B-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01164 | -.00266 | .07010 | .01412 | .00010 | 59.841 | .12517 |
| Stddev | .00075 | .00158  | .00190 | .00008 | .00019 | .047   | .00056 |
| %RSD   | 6.4475 | 59.128  | 2.7166 | .57714 | 185.97 | .07927 | .44457 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .01217 | -.00378 | .06876 | .01418 | -.00003 | 59.807 | .12556 |
| #2 | .01111 | -.00155 | .07145 | .01406 | .00023  | 59.874 | .12478 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00241 | -.00187 | 1.1526 | .13238 | .03266 | .05559 | 84.805 |
| Stddev | .00002 | .00002  | .0257  | .00052 | .00006 | .00052 | 1.168  |
| %RSD   | .88834 | 1.1040  | 2.2294 | .39586 | .19340 | .93252 | 1.3777 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00240 | -.00185 | 1.1708 | .13275 | .03261 | .05595 | 83.979 |
| #2 | .00243 | -.00188 | 1.1344 | .13201 | .03270 | .05522 | 85.632 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .84556 | 10.503 | .09603 | -.00313 | .13950 | .11273 | .24172 |
| Stddev | .00084 | .014   | .00042 | .00027  | .00201 | .00014 | .00502 |
| %RSD   | .09948 | .13298 | .43277 | 8.5982  | 1.4414 | .12684 | 2.0758 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .84615 | 10.493 | .09574 | -.00294 | .14092 | .11283 | .23817 |
| #2 | .84496 | 10.513 | .09633 | -.00332 | .13808 | .11263 | .24526 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4968 | .00193 | .04728 | 1.3169 | 2.6978 | .00070 | 1.4842 |
| Stddev | .0336  | .00021 | .00232 | .0068  | .0026  | .00032 | .0074  |
| %RSD   | 1.3445 | 10.701 | 4.9050 | .51480 | .09705 | 45.663 | .49998 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4731 | .00179 | .04892 | 1.3121 | 2.6997 | .00048 | 1.4790 |
| #2 | 2.5205 | .00208 | .04564 | 1.3217 | 2.6960 | .00093 | 1.4895 |

Sample Name: J6206-03      Acquired: 12/4/2018 21:14:49      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-5B-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .03936 | 1.466  | -.08342 | <.00000 | F<.00000 |
| Stddev | .00216 | .003   | .00122  | .10145  | .31709   |
| %RSD   | 5.4997 | .2045  | 1.4628  | 6.7211  | 4.4267   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .04089 | 1.464 | -.08256 | -1.4377 | -6.9390 |
| #2 | .03783 | 1.468 | -.08428 | -1.5812 | -7.3874 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4212.8 | 70572. | 4344.5 | 96.308 | 4093.2 |
| Stddev    | 9.5    | 8.     | 18.6   | 1.599  | 9.5    |
| %RSD      | .22580 | .01153 | .42918 | 1.6600 | .23089 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4206.1 | 70567. | 4331.3 | 97.438 | 4086.5 |
| #2 | 4219.6 | 70578. | 4357.6 | 95.177 | 4099.8 |

Sample Name: J6206-03DUP      Acquired: 12/4/2018 21:18:48      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-5B-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00239 | -.00079 | .01359 | .00265 | .00013 | 12.064 | .02565 | .00051 |
| Stddev | .00125 | .00071  | .00012 | .00174 | .00122 | .074   | .00003 | .00011 |
| %RSD   | 52.306 | 89.989  | .91408 | 65.790 | 947.46 | .61071 | .12919 | 20.509 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00328 | -.00129 | .01368 | .00141 | -.00074 | 12.116 | .02563 | .00044 |
| #2 | .00151 | -.00029 | .01350 | .00388 | .00100  | 12.012 | .02568 | .00059 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00056 | .24541 | .02819 | .00643 | .01181 | 17.186 | .17947 | 2.1975 |
| Stddev | .00001  | .00802 | .00053 | .00021 | .00024 | .087   | .00029 | .0254  |
| %RSD   | 1.2467  | 3.2686 | 1.8810 | 3.3175 | 2.0251 | .50641 | .16263 | 1.1554 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00055 | .25108 | .02781 | .00628 | .01164 | 17.248 | .17968 | 2.1796 |
| #2 | -.00056 | .23974 | .02856 | .00658 | .01198 | 17.125 | .17926 | 2.2155 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .01902 | -.00117 | .04727 | .02300 | .04853 | .48545 | -.00002 | -.00435 |
| Stddev | .00008 | .00023  | .00436 | .00006 | .00033 | .04897 | .00005  | .00348  |
| %RSD   | .41823 | 19.981  | 9.2199 | .25441 | .67748 | 10.087 | 324.42  | 80.044  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .01908 | -.00101 | .05035 | .02304 | .04876 | .52008 | .00002  | -.00681 |
| #2 | .01896 | -.00134 | .04419 | .02296 | .04830 | .45082 | -.00005 | -.00189 |

|        |        |        |         |        |        |        |         |         |
|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .26642 | .58732 | -.00256 | .30840 | .00433 | .2890  | -.01682 | <.00000 |
| Stddev | .00473 | .01769 | .00089  | .00192 | .00144 | .0015  | .00021  | .00774  |
| %RSD   | 1.7735 | 3.0125 | 34.660  | .62311 | 33.239 | .5180  | 1.2381  | .71244  |

|    |        |        |         |        |        |       |         |         |
|----|--------|--------|---------|--------|--------|-------|---------|---------|
| #1 | .26977 | .59983 | -.00319 | .30704 | .00331 | .2879 | -.01697 | -1.0804 |
| #2 | .26308 | .57481 | -.00194 | .30976 | .00535 | .2900 | -.01667 | -1.0913 |

Sample Name: J6206-03DUP      Acquired: 12/4/2018 21:18:48      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-5B-(      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      5.4468  
 Stddev      .4389  
 %RSD      8.0583

#1      5.1364  
 #2      5.7571

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4116.9 | 68764. | 4090.1 | 95.779 | 4272.0 |
| Stddev    | 8.0    | 134.   | 1.5    | .607   | 15.4   |
| %RSD      | .19450 | .19529 | .03631 | .63368 | .35943 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4111.3 | 68669. | 4091.1 | 95.350 | 4261.2 |
| #2 | 4122.6 | 68859. | 4089.0 | 96.208 | 4282.9 |

Sample Name: J6206-03LX5      Acquired: 12/4/2018 21:22:49      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-5B-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .72026 | 1.9461 | 1.0084 | 1.7862 | .24177 | 51.782 | .32091 |
| Stddev | .00370 | .0070  | .0049  | .0108  | .00024 | .156   | .00439 |
| %RSD   | .51340 | .35884 | .48638 | .60467 | .09759 | .30056 | 1.3670 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .71764 | 1.9412 | 1.0050 | 1.7785 | .24194 | 51.672 | .32401 |
| #2 | .72287 | 1.9511 | 1.0119 | 1.7938 | .24161 | 51.892 | .31781 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19071 | .18702 | 1.5323 | .51396 | .22056 | .34858 | 69.484 |
| Stddev | .00005 | .00094 | .0468  | .00223 | .00071 | .00310 | 1.264  |
| %RSD   | .02877 | .50020 | 3.0558 | .43295 | .32213 | .89031 | 1.8186 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19067 | .18636 | 1.5654 | .51239 | .22006 | .34639 | 70.378 |
| #2 | .19075 | .18768 | 1.4992 | .51553 | .22106 | .35078 | 68.591 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0666 | 8.2703 | .56021 | .06516 | 3.1595 | .36893 | .37336 |
| Stddev | .0018  | .0627  | .00367 | .00024 | .0272  | .00051 | .00749 |
| %RSD   | .16684 | .75867 | .65526 | .36111 | .86181 | .13926 | 2.0064 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0654 | 8.3147 | .55761 | .06499 | 3.1787 | .36856 | .37865 |
| #2 | 1.0679 | 8.2259 | .56280 | .06532 | 3.1402 | .36929 | .36806 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.006 | .37426 | .30523 | 1.1232 | 3.1200 | .62058 | 1.7111 |
| Stddev | .034   | .00178 | .00929 | .0022  | .0022  | .00078 | .0156  |
| %RSD   | .25926 | .47659 | 3.0434 | .19790 | .07203 | .12622 | .91027 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.030 | .37300 | .29866 | 1.1248 | 3.1184 | .62002 | 1.7221 |
| #2 | 12.983 | .37552 | .31180 | 1.1217 | 3.1216 | .62113 | 1.7001 |

Sample Name: J6206-03LX5      Acquired: 12/4/2018 21:22:49      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-5B-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .23124 | 6.456  | .13518 | <.00000 | F<.00000 |
| Stddev | .00084 | .019   | .00069 | .02051  | 1.0278   |
| %RSD   | .36391 | .2889  | .50722 | 1.8519  | 23.319   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .23064 | 6.443 | .13470 | -1.0931 | -3.6809 |
| #2 | .23183 | 6.470 | .13567 | -1.1221 | -5.1345 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4160.4 | 69941. | 4204.5 | 95.030 | 4047.4 |
| Stddev    | 2.5    | 62.    | 59.9   | 1.822  | 1.4    |
| %RSD      | .05947 | .08890 | 1.4236 | 1.9168 | .03421 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4162.1 | 69985. | 4162.2 | 93.742 | 4046.4 |
| #2 | 4158.6 | 69897. | 4246.9 | 96.318 | 4048.3 |

Sample Name: J6206-05      Acquired: 12/4/2018 21:26:38      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: J6206-03MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.4978 | 4.6688 | 4.5492 | 4.5010 | 4.5013 | 9.0153 | 9.5344 | .23608 | 2.3078 |
| Stddev | .0094  | .0076  | .0002  | .0033  | .0012  | .0134  | .0841  | .00095 | .0003  |
| %RSD   | .20896 | .16166 | .00434 | .07330 | .02556 | .14848 | .88208 | .40333 | .01421 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.4912 | 4.6634 | 4.5490 | 4.4987 | 4.5005 | 9.0248 | 9.4749 | .23541 | 2.3075 |
| #2 | 4.5045 | 4.6741 | 4.5493 | 4.5034 | 4.5021 | 9.0058 | 9.5938 | .23676 | 2.3080 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 23.917 | .95477 | 2.2702 | 1.1738 | 4.6585 | 2.4101 | 23.839 | 2.3148 | 1.1476 |
| Stddev | .123   | .00073 | .0022  | .0003  | .0249  | .0049  | .060   | .0059  | .0046  |
| %RSD   | .51558 | .07666 | .09520 | .02357 | .53398 | .20415 | .25203 | .25536 | .40367 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 24.004 | .95529 | 2.2686 | 1.1740 | 4.6761 | 2.4067 | 23.881 | 2.3106 | 1.1443 |
| #2 | 23.830 | .95426 | 2.2717 | 1.1736 | 4.6410 | 2.4136 | 23.797 | 2.3190 | 1.1509 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 23.580 | 2.3061 | 2.3985 | 24.012 | 4.6365 | 4.8960 | 4.3887 | 4.8177 | 4.5834 |
| Stddev | .124   | .0066  | .0034  | .230   | .0041  | .0042  | .0093  | .0290  | .0043  |
| %RSD   | .52603 | .28824 | .14346 | .95832 | .08886 | .08655 | .21227 | .60163 | .09305 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 23.492 | 2.3014 | 2.3960 | 23.849 | 4.6394 | 4.8930 | 4.3821 | 4.7972 | 4.5864 |
| #2 | 23.668 | 2.3108 | 2.4009 | 24.175 | 4.6336 | 4.8990 | 4.3953 | 4.8381 | 4.5804 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6964 | 4.7736 | 4.547  | 4.6935 | .84207 | 3.9288 |
| Stddev | .0276  | .0419  | .003   | .0106  | .13862 | .4102  |
| %RSD   | .58761 | .87725 | .0594  | .22662 | 16.462 | 10.441 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | 4.7159 | 4.7440 | 4.545 | 4.6860 | .94009 | 3.6387 |
| #2 | 4.6769 | 4.8032 | 4.549 | 4.7010 | .74405 | 4.2188 |



Sample Name: J6206-05      Acquired: 12/4/2018 21:26:38      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: J6206-03MS      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       | 3897.1 | 64532. | 3925.6 | 89.289 | 3787.5 |
| Stddev    | 3.5    | 47.    | 7.0    | .100   | 3.5    |
| %RSD      | .09005 | .07314 | .17713 | .11190 | .09321 |
| #1        | 3894.6 | 64499. | 3930.5 | 89.359 | 3785.0 |
| #2        | 3899.6 | 64565. | 3920.6 | 89.218 | 3790.0 |

Sample Name: J6206-07      Acquired: 12/4/2018 21:30:24      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: J6206-03MSD      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.5067 | 4.6867 | 4.5505 | 4.5210 | 4.5059 | 8.9895 | 9.6199 | .23555 | 2.3128 |
| Stddev | .0027  | .0169  | .0137  | .0009  | .0042  | .2060  | .1535  | .00159 | .0044  |
| %RSD   | .06068 | .36127 | .30188 | .02077 | .09267 | 2.2918 | 1.5962 | .67631 | .18894 |
| #1     | 4.5048 | 4.6986 | 4.5602 | 4.5203 | 4.5088 | 8.8438 | 9.7285 | .23442 | 2.3159 |
| #2     | 4.5086 | 4.6747 | 4.5408 | 4.5216 | 4.5029 | 9.1352 | 9.5113 | .23668 | 2.3097 |
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 24.080 | .95803 | 2.2701 | 1.1737 | 4.6354 | 2.4050 | 23.941 | 2.3222 | 1.1528 |
| Stddev | .058   | .01024 | .0054  | .0007  | .0498  | .0185  | .004   | .0062  | .0109  |
| %RSD   | .23954 | 1.0686 | .23786 | .05661 | 1.0745 | .77083 | .01791 | .26871 | .94489 |
| #1     | 24.121 | .95080 | 2.2740 | 1.1732 | 4.6001 | 2.3919 | 23.938 | 2.3267 | 1.1451 |
| #2     | 24.039 | .96527 | 2.2663 | 1.1741 | 4.6706 | 2.4181 | 23.944 | 2.3178 | 1.1605 |
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 23.821 | 2.3075 | 2.3887 | 24.239 | 4.6403 | 4.9615 | 4.3801 | 4.8835 | 4.5913 |
| Stddev | .182   | .0261  | .0091  | .489   | .0016  | .0554  | .0033  | .0882  | .0115  |
| %RSD   | .76259 | 1.1292 | .37996 | 2.0156 | .03443 | 1.1169 | .07519 | 1.8054 | .25077 |
| #1     | 23.949 | 2.2890 | 2.3951 | 24.585 | 4.6391 | 5.0007 | 4.3777 | 4.9458 | 4.5994 |
| #2     | 23.692 | 2.3259 | 2.3823 | 23.894 | 4.6414 | 4.9224 | 4.3824 | 4.8212 | 4.5831 |
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |        |        |        |
| Avg    | 4.7277 | 4.8225 | 4.561  | 4.7359 | 1.0665 | 3.3332 |        |        |        |
| Stddev | .0051  | .0643  | .008   | .0422  | .2866  | .1369  |        |        |        |
| %RSD   | .10809 | 1.3325 | .1680  | .89199 | 26.869 | 4.1080 |        |        |        |
| #1     | 4.7314 | 4.8679 | 4.567  | 4.7658 | .86387 | 3.2364 |        |        |        |
| #2     | 4.7241 | 4.7770 | 4.556  | 4.7060 | 1.2691 | 3.4301 |        |        |        |

Sample Name: J6206-07      Acquired: 12/4/2018 21:30:24      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: J6206-03MSD      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       | 3895.7 | 64705. | 3891.8 | 89.468 | 3784.0 |
| Stddev    | 13.7   | 585.   | 72.2   | .602   | 18.6   |
| %RSD      | .35159 | .90453 | 1.8542 | .67266 | .49092 |
| #1        | 3886.0 | 65119. | 3840.8 | 89.042 | 3770.9 |
| #2        | 3905.4 | 64291. | 3942.8 | 89.893 | 3797.2 |

Sample Name: J6206-03A      Acquired: 12/4/2018 21:34:10      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-5B-(      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |        |          |
|--------|----------|----------|----------|----------|----------|----------|--------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934 | Be2348   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm    | ppm      |
| Avg    | s .18227 | s .20878 | s .19616 | s .17277 | s .17712 | s 7.8428 | 9.2687 | s .17261 |
| Stddev | .18019   | .20999   | .20508   | .17123   | .17732   | 1.2799   | .2806  | .04084   |
| %RSD   | 98.860   | 100.58   | 104.55   | 99.113   | 100.12   | 16.320   | 3.0272 | 23.662   |

|    |          |          |          |          |          |          |        |          |
|----|----------|----------|----------|----------|----------|----------|--------|----------|
| #1 | s .30968 | s .35727 | s .34117 | s .29385 | s .30250 | k 8.7478 | 9.4671 | k .20149 |
| #2 | k .05485 | k .06030 | k .05114 | k .05169 | k .05173 | s 6.9377 | 9.0703 | s .14373 |

|        |          |          |          |          |          |          |          |        |
|--------|----------|----------|----------|----------|----------|----------|----------|--------|
| Elem   | Cd2265   | Ca3736   | Cr2677   | Co2286   | Cu2247   | Fe2404   | Mn2576   | Mg2790 |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm    |
| Avg    | s .10071 | k 23.293 | s .72159 | s .10135 | s .05258 | k 4.5622 | s 1.7984 | 22.998 |
| Stddev | .10216   | .688     | .17483   | .10187   | .05195   | .2514    | .4269    | .735   |
| %RSD   | 101.44   | 2.9555   | 24.228   | 100.51   | 98.818   | 5.5112   | 23.740   | 3.1981 |

|    |          |          |          |          |          |          |          |        |
|----|----------|----------|----------|----------|----------|----------|----------|--------|
| #1 | s .17295 | k 23.779 | k .84521 | s .17339 | s .08931 | k 4.7400 | 2.1003   | 23.518 |
| #2 | k .02848 | k 22.806 | s .59797 | k .02932 | k .01584 | k 4.3845 | s 1.4965 | 22.477 |

|        |          |          |        |          |          |        |          |          |
|--------|----------|----------|--------|----------|----------|--------|----------|----------|
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924   | Zn2138   | K_7664 | Mo2020   | B_2496   |
| Units  | ppm      | ppm      | ppm    | ppm      | ppm      | ppm    | ppm      | ppm      |
| Avg    | s .11029 | s .83873 | 22.974 | s 1.6952 | k .30285 | 23.329 | s .21321 | k 4.7651 |
| Stddev | .10272   | .19278   | .731   | .4058    | .26380   | .727   | .20641   | .1790    |
| %RSD   | 93.135   | 22.985   | 3.1825 | 23.941   | 87.105   | 3.1149 | 96.813   | 3.7573   |

|    |          |          |        |          |          |        |          |          |
|----|----------|----------|--------|----------|----------|--------|----------|----------|
| #1 | s .18293 | k .97505 | 23.491 | k 1.9821 | k .48938 | 23.842 | s .35916 | k 4.8917 |
| #2 | k .03766 | s .70241 | 22.457 | s 1.4082 | k .11632 | 22.815 | .06725   | k 4.6385 |

|        |          |          |          |          |        |         |          |         |
|--------|----------|----------|----------|----------|--------|---------|----------|---------|
| Elem   | S_1820   | Si2881   | Sn1899   | Ti3361   | Li6707 | P_1774  | Sr4077   | U_3670  |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm    | ppm     | ppm      | ppm     |
| Avg    | s .15188 | k 4.1172 | s .19919 | k 4.5575 | 4.6495 | s .1746 | k 4.5695 | <.00000 |
| Stddev | .16137   | .3532    | .20434   | .1289    | .1486  | .1779   | .1551    | 22.355  |
| %RSD   | 106.25   | 8.5782   | 102.59   | 2.8287   | 3.1969 | 101.9   | 3.3948   | 142.42  |

|    |          |          |          |          |        |         |          |         |
|----|----------|----------|----------|----------|--------|---------|----------|---------|
| #1 | s .26599 | k 4.3669 | s .34368 | k 4.6487 | 4.7546 | s .3004 | k 4.6792 | .11055  |
| #2 | k .03778 | k 3.8675 | k .05470 | k 4.4664 | 4.5444 | k .0488 | k 4.4598 | -31.504 |

Sample Name: J6206-03A      Acquired: 12/4/2018 21:34:10      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-5B-(      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.1841 |
| Stddev | 1.5027 |
| %RSD   | 35.916 |

|    |        |
|----|--------|
| #1 | 5.2467 |
| #2 | 3.1215 |

|           |         |         |        |        |         |
|-----------|---------|---------|--------|--------|---------|
| Int. Std. | Y_2243  | Y_3600  | Y_3710 | In2306 | In2306  |
| Units     | Cts/S   | Cts/S   | Cts/S  | Cts/S  | Cts/S   |
| Avg       | ^ ***** | ^ ***** | 3975.8 | 90.451 | ^ ***** |
| Stddev    | -----   | -----   | 107.5  | 5.216  | -----   |
| %RSD      | -----   | -----   | 2.7037 | 5.7662 | -----   |

|    |         |         |        |        |         |
|----|---------|---------|--------|--------|---------|
| #1 | ^ ----- | 66910.  | 3899.8 | 86.763 | ^ ----- |
| #2 | 15540.  | ^ ----- | 4051.8 | 94.139 | 17142.  |

Sample Name: CCV08      Acquired: 12/4/2018 21:38:01      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB115299BL      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |        |        |        |        |          |
|--------|----------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.5732   | 4.7285 | 4.6148 | 4.5790 | 4.5726 | 9.2140 | 9.7293 | .24024   |
| Stddev | .0135    | .0026  | .0076  | .0005  | .0138  | .0153  | .0589  | .00011   |
| %RSD   | .29512   | .05590 | .16575 | .01170 | .30265 | .16628 | .60547 | .04731   |
| #1     | 4.5828   | 4.7304 | 4.6203 | 4.5794 | 4.5824 | 9.2249 | 9.7709 | .24032   |
| #2     | 4.5637   | 4.7266 | 4.6094 | 4.5787 | 4.5628 | 9.2032 | 9.6876 | .24016   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3371   | 24.456 | .98064 | 2.2961 | 1.1918 | 4.8322 | 2.4572 | 24.227   |
| Stddev | .0046    | .045   | .00639 | .0044  | .0067  | .0066  | .0056  | .021     |
| %RSD   | .19633   | .18525 | .65195 | .19157 | .56224 | .13579 | .22829 | .08691   |
| #1     | 2.3404   | 24.424 | .98516 | 2.2992 | 1.1965 | 4.8276 | 2.4611 | 24.242   |
| #2     | 2.3339   | 24.488 | .97612 | 2.2930 | 1.1870 | 4.8369 | 2.4532 | 24.212   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3526   | 1.1787 | 24.136 | 2.3560 | 2.4714 | 24.468 | 4.7065 | 4.9777   |
| Stddev | .0017    | .0063  | .027   | .0145  | .0105  | .042   | .0174  | .0418    |
| %RSD   | .07038   | .53867 | .11136 | .61674 | .42523 | .17168 | .36856 | .83928   |
| #1     | 2.3538   | 1.1831 | 24.155 | 2.3663 | 2.4639 | 24.498 | 4.7188 | 5.0073   |
| #2     | 2.3515   | 1.1742 | 24.117 | 2.3458 | 2.4788 | 24.439 | 4.6942 | 4.9482   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F 4.4535 | 4.8876 | 4.6494 | 4.7977 | 4.8756 | 4.620  | 4.8064 | F 1.4540 |
| Stddev | .0109    | .0197  | .0026  | .0063  | .0232  | .003   | .0056  | .4728    |
| %RSD   | .24409   | .40387 | .05678 | .13173 | .47545 | .0713  | .11617 | 32.521   |
| #1     | 4.4612   | 4.9015 | 4.6512 | 4.8021 | 4.8920 | 4.623  | 4.8103 | 1.7883   |
| #2     | 4.4458   | 4.8736 | 4.6475 | 4.7932 | 4.8593 | 4.618  | 4.8024 | 1.1196   |

Sample Name: CCV08      Acquired: 12/4/2018 21:38:01      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB115299BL      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.5188 |
| Stddev | .0792    |
| %RSD   | 2.2498   |

|    |        |
|----|--------|
| #1 | 3.4629 |
| #2 | 3.5748 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3893.5 | 64173. | 3904.3 | 87.906 | 3788.5 |
| Stddev    | 18.6   | 388.   | 17.5   | .252   | 13.6   |
| %RSD      | .47851 | .60419 | .44733 | .28656 | .35955 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3880.3 | 63898. | 3891.9 | 88.084 | 3778.8 |
| #2 | 3906.7 | 64447. | 3916.6 | 87.728 | 3798.1 |

Sample Name: CCB08      Acquired: 12/4/2018 21:41:47      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB115299BS      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |         |        |
|--------|---------|---------|--------|--------|--------|---------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00064 | -.00002 | .00006 | .00089 | .00094 | -.00735 | .00085 |
| Stddev | .00022  | .00045  | .00005 | .00112 | .00011 | .00162  | .00014 |
| %RSD   | 35.008  | 2416.8  | 87.076 | 125.27 | 11.693 | 22.034  | 16.003 |

|    |         |         |        |        |        |         |        |
|----|---------|---------|--------|--------|--------|---------|--------|
| #1 | -.00080 | .00030  | .00009 | .00168 | .00086 | -.00620 | .00095 |
| #2 | -.00048 | -.00034 | .00002 | .00010 | .00102 | -.00849 | .00075 |

|        |         |         |        |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00005 | -.00002 | .01772 | -.00018 | -.00010 | -.00007 | -.00840 |
| Stddev | .00000  | .00001  | .02078 | .00003  | .00009  | .00010  | .01366  |
| %RSD   | 7.6093  | 45.342  | 117.26 | 14.943  | 95.257  | 157.50  | 162.54  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00005 | -.00003 | .03242 | -.00016 | -.00003 | -.00014 | -.01806 |
| #2 | -.00005 | -.00002 | .00303 | -.00020 | -.00016 | .00001  | .00125  |

|        |         |        |        |         |        |        |         |
|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00002 | .05417 | .00012 | -.00051 | .02542 | .00006 | -.00115 |
| Stddev | .00003  | .05692 | .00015 | .00052  | .00227 | .00034 | .00004  |
| %RSD   | 139.10  | 105.07 | 124.30 | 102.34  | 8.9426 | 534.34 | 3.4387  |

|    |         |        |        |         |        |         |         |
|----|---------|--------|--------|---------|--------|---------|---------|
| #1 | -.00004 | .09443 | .00001 | -.00014 | .02381 | -.00018 | -.00112 |
| #2 | -.00000 | .01392 | .00023 | -.00087 | .02703 | .00030  | -.00117 |

|        |         |        |         |        |        |         |        |
|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.02981 | .00026 | -.00697 | .00036 | .00090 | -.00127 | .00126 |
| Stddev | .01300  | .00005 | .00873  | .00067 | .00092 | .00100  | .00042 |
| %RSD   | 43.609  | 17.668 | 125.10  | 182.61 | 102.32 | 78.369  | 33.699 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.02062 | .00029 | -.00081 | -.00011 | .00155 | -.00057 | .00156 |
| #2 | -.03900 | .00023 | -.01314 | .00083  | .00025 | -.00198 | .00096 |



Sample Name: CCB08      Acquired: 12/4/2018 21:41:47      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB115299BS      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00038 | .0029  | .00011 | F<.00000 | F .46580 |
| Stddev | .00275  | .0001  | .00011 | .79891   | .64727   |
| %RSD   | 722.77  | 2.806  | 98.984 | 51.368   | 138.96   |

|    |         |       |        |         |        |
|----|---------|-------|--------|---------|--------|
| #1 | -.00232 | .0029 | .00019 | -.99035 | .92349 |
| #2 | .00156  | .0030 | .00003 | -2.1202 | .00811 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4058.5 | 67838. | 3948.6 | 93.938 | 4366.1 |
| Stddev    | 14.2   | 386.   | 36.0   | 2.551  | 6.9    |
| %RSD      | .34922 | .56946 | .91167 | 2.7161 | .15779 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4048.5 | 67564. | 3923.1 | 92.133 | 4361.3 |
| #2 | 4068.5 | 68111. | 3974.1 | 95.742 | 4371.0 |

Sample Name: J6206-09      Acquired: 12/4/2018 21:45:52      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-6A-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01024 | -.00138 | .50298 | .00706 | .00118 | 16.335 | .07979 | .00055 |
| Stddev | .00075 | .00011  | .00020 | .00066 | .00018 | .015   | .00082 | .00008 |
| %RSD   | 7.3651 | 8.1371  | .03897 | 9.2912 | 15.020 | .08899 | 1.0236 | 15.399 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00970 | -.00146 | .50312 | .00752 | .00105 | 16.345 | .08036 | .00049 |
| #2 | .01077 | -.00130 | .50284 | .00659 | .00130 | 16.325 | .07921 | .00061 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00014 | 1.0794 | .17490 | .00851 | .08666 | 22.170 | .33916 | 2.2107 |
| Stddev | .00002  | .0024  | .00122 | .00024 | .00044 | .132   | .00242 | .0506  |
| %RSD   | 10.740  | .21807 | .69677 | 2.7902 | .51249 | .59462 | .71472 | 2.2888 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00015 | 1.0811 | .17403 | .00867 | .08634 | 22.077 | .33745 | 2.1749 |
| #2 | -.00013 | 1.0777 | .17576 | .00834 | .08697 | 22.263 | .34088 | 2.2465 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05985 | -.00032 | .13836 | .06430 | .10107 | 1.8916 | .00254 | .00909 |
| Stddev | .00074 | .00011  | .00370 | .00115 | .00102 | .0167  | .00009 | .00182 |
| %RSD   | 1.2302 | 35.280  | 2.6742 | 1.7915 | 1.0056 | .88175 | 3.4196 | 20.065 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .06037 | -.00041 | .14098 | .06349 | .10035 | 1.9034 | .00260 | .00780 |
| #2 | .05933 | -.00024 | .13575 | .06512 | .10179 | 1.8798 | .00247 | .01038 |

|        |        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.0619 | 3.6626 | .01148 | .80969 | .00153 | .8661  | -.01334 | <.00000 |
| Stddev | .0018  | .0192  | .00010 | .00845 | .00142 | .0005  | .00044  | .28819  |
| %RSD   | .16445 | .52379 | .83169 | 1.0432 | 92.485 | .0587  | 3.3332  | 10.582  |

|    |        |        |        |        |        |       |         |         |
|----|--------|--------|--------|--------|--------|-------|---------|---------|
| #1 | 1.0607 | 3.6762 | .01155 | .81566 | .00253 | .8665 | -.01303 | -2.5196 |
| #2 | 1.0631 | 3.6491 | .01142 | .80372 | .00053 | .8657 | -.01366 | -2.9271 |

Sample Name: J6206-09      Acquired: 12/4/2018 21:45:52      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-6A-(      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      7.6580  
 Stddev      .3513  
 %RSD      4.5879

#1      7.4095  
 #2      7.9064

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4215.5 | 71228. | 4151.2 | 96.079 | 4364.3 |
| Stddev    | 5.5    | 342.   | 26.6   | .678   | 1.8    |
| %RSD      | .13132 | .48017 | .63977 | .70530 | .04055 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4219.5 | 71470. | 4132.5 | 96.558 | 4363.1 |
| #2 | 4211.6 | 70986. | 4170.0 | 95.600 | 4365.6 |

Sample Name: J6206-11      Acquired: 12/4/2018 21:49:51      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-6B-(      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00044 | -.00246 | .03003 | .00481 | .00043 | 18.621 | .08151 | .00081 |
| Stddev | .00220  | .00024  | .00102 | .00091 | .00189 | .022   | .00067 | .00004 |
| %RSD   | 503.48  | 9.8728  | 3.3910 | 18.834 | 445.39 | .11777 | .82780 | 5.4649 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00112  | -.00228 | .03075 | .00417 | .00176  | 18.637 | .08103 | .00084 |
| #2 | -.00200 | -.00263 | .02931 | .00545 | -.00091 | 18.605 | .08199 | .00078 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00047 | .56042 | .06181 | .02691 | .02162 | 23.010 | 1.7027 | 3.0579 |
| Stddev | .00003  | .02530 | .00014 | .00032 | .00015 | .206   | .0019  | .0049  |
| %RSD   | 6.3965  | 4.5144 | .23140 | 1.1756 | .67627 | .89548 | .11322 | .16112 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00049 | .54253 | .06170 | .02713 | .02152 | 23.156 | 1.7041 | 3.0544 |
| #2 | -.00045 | .57831 | .06191 | .02668 | .02173 | 22.865 | 1.7014 | 3.0614 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .04013 | -.00070 | .12903 | .02853 | .10358 | 2.8987 | -.00012 | .00570 |
| Stddev | .00042 | .00028  | .00868 | .00030 | .00098 | .0446  | .00046  | .00097 |
| %RSD   | 1.0531 | 39.411  | 6.7280 | 1.0431 | .94256 | 1.5391 | 390.96  | 17.036 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .04043 | -.00050 | .13517 | .02874 | .10427 | 2.8671 | -.00044 | .00501 |
| #2 | .03983 | -.00089 | .12289 | .02832 | .10289 | 2.9302 | .00021  | .00638 |

|        |        |        |         |        |        |        |         |         |
|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .32696 | 1.8087 | -.00060 | 1.4314 | .00516 | .5483  | -.01845 | <.00000 |
| Stddev | .00073 | .0204  | .00033  | .0064  | .00113 | .0011  | .00005  | .38988  |
| %RSD   | .22181 | 1.1283 | 55.271  | .44755 | 21.840 | .2013  | .28284  | 16.007  |

|    |        |        |         |        |        |       |         |         |
|----|--------|--------|---------|--------|--------|-------|---------|---------|
| #1 | .32747 | 1.8231 | -.00036 | 1.4269 | .00436 | .5475 | -.01841 | -2.1600 |
| #2 | .32644 | 1.7943 | -.00083 | 1.4360 | .00595 | .5491 | -.01849 | -2.7114 |

Sample Name: J6206-11      Acquired: 12/4/2018 21:49:51      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-6B-(      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      7.8590  
 Stddev      .0177  
 %RSD      .22541

#1      7.8465  
 #2      7.8716

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4251.1 | 71137. | 4163.9 | 95.338 | 4317.2 |
| Stddev    | 8.6    | 319.   | 17.9   | 1.067  | 11.6   |
| %RSD      | .20157 | .44868 | .43095 | 1.1187 | .26885 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4245.1 | 70911. | 4176.6 | 94.583 | 4309.0 |
| #2 | 4257.2 | 71363. | 4151.2 | 96.092 | 4325.4 |

Sample Name: J6206-13      Acquired: 12/4/2018 21:53:51      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-4A-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17356 | .00013 | 2.6058 | .09051 | .00385 | 80.980 | .34550 |
| Stddev | .00285 | .00150 | .0042  | .00010 | .00041 | .544   | .00159 |
| %RSD   | 1.6414 | 1179.3 | .15966 | .11196 | 10.602 | .67189 | .46007 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .17155 | -.00093 | 2.6088 | .09058 | .00414 | 80.595 | .34437 |
| #2 | .17558 | .00119  | 2.6029 | .09044 | .00356 | 81.364 | .34662 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00394 | -.01219 | 2.1000 | .17627 | .03727 | .37470 | 474.35 |
| Stddev | .00010 | .00038  | .0454  | .00035 | .00001 | .00083 | 4.31   |
| %RSD   | 2.5349 | 3.1062  | 2.1619 | .19988 | .02676 | .22228 | .90874 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00387 | -.01192 | 2.0679 | .17652 | .03728 | .37411 | 471.30 |
| #2 | .00401 | -.01245 | 2.1321 | .17602 | .03726 | .37529 | 477.40 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .78617 | 12.168 | .07041 | -.01262 | .35972 | .31948 | .46656 |
| Stddev | .00088 | .123   | .00099 | .00044  | .01151 | .00178 | .00125 |
| %RSD   | .11149 | 1.0149 | 1.4116 | 3.4782  | 3.2003 | .55693 | .26693 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .78679 | 12.081 | .06971 | -.01293 | .35158 | .32074 | .46568 |
| #2 | .78555 | 12.255 | .07111 | -.01231 | .36787 | .31823 | .46744 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.1880 | .00582 | .31328 | 7.2355 | 4.0290 | .07961 | 1.6524 |
| Stddev | .0247  | .00004 | .00826 | .0338  | .0116  | .00065 | .0137  |
| %RSD   | .77445 | .72189 | 2.6366 | .46772 | .28811 | .81327 | .83130 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.1706 | .00579 | .31912 | 7.2115 | 4.0372 | .08007 | 1.6427 |
| #2 | 3.2055 | .00585 | .30744 | 7.2594 | 4.0208 | .07915 | 1.6621 |

Sample Name: J6206-13      Acquired: 12/4/2018 21:53:51      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-4A-(      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .04896 | 5.625  | -.48730 | <.00000 | F<.00000 |
| Stddev | .00189 | .018   | .00433  | .84056  | 4.7965   |
| %RSD   | 3.8679 | .3225  | .88897  | 23.210  | 2.2437   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .04762 | 5.612 | -.48424 | -4.2159 | -217.17 |
| #2 | .05030 | 5.638 | -.49037 | -3.0272 | -210.39 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4354.1 | 72757. | 4431.8 | 91.612 | 3831.9 |
| Stddev    | 1.2    | 197.   | 4.3    | .231   | 2.9    |
| %RSD      | .02805 | .27057 | .09807 | .25194 | .07500 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4355.0 | 72896. | 4434.8 | 91.775 | 3829.9 |
| #2 | 4353.2 | 72618. | 4428.7 | 91.449 | 3834.0 |

Sample Name: J6206-15      Acquired: 12/4/2018 21:57:47      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-4B-(      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |        |         |         |
|--------|---------|---------|---------|--------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00818  | -.00158 | .08231  | .01671 | .00006  | 39.830 | .22761  | .00212  |
| Stddev | .00002  | .00130  | .00094  | .00024 | .00049  | .053   | .00319  | .00001  |
| %RSD   | .22126  | 82.347  | 1.1465  | 1.4368 | 807.00  | .13310 | 1.4006  | .29431  |
| #1     | .00819  | -.00250 | .08164  | .01654 | .00041  | 39.867 | .22536  | .00211  |
| #2     | .00817  | -.00066 | .08298  | .01688 | -.00029 | 39.792 | .22987  | .00212  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00164 | .82581  | .15430  | .01642 | .03466  | 62.968 | .26371  | 5.9528  |
| Stddev | .00010  | .01632  | .00088  | .00032 | .00048  | .516   | .00032  | .0413   |
| %RSD   | 5.9748  | 1.9766  | .56740  | 1.9524 | 1.3817  | .81985 | .12038  | .69288  |
| #1     | -.00158 | .83735  | .15492  | .01619 | .03432  | 62.603 | .26394  | 5.9820  |
| #2     | -.00171 | .81427  | .15368  | .01665 | .03500  | 63.333 | .26349  | 5.9237  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .06992  | -.00327 | .16795  | .06252 | .10826  | 2.5069 | .00055  | .03230  |
| Stddev | .00059  | .00012  | .00268  | .00027 | .00144  | .0230  | .00027  | .00334  |
| %RSD   | .84357  | 3.7233  | 1.5959  | .43301 | 1.3283  | .91676 | 48.783  | 10.349  |
| #1     | .07033  | -.00336 | .16984  | .06233 | .10724  | 2.4906 | .00036  | .02994  |
| #2     | .06950  | -.00319 | .16605  | .06271 | .10927  | 2.5231 | .00074  | .03467  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | 1.8021  | 4.1056  | -.00005 | 1.0760 | .02086  | 1.489  | -.05990 | <.00000 |
| Stddev | .0120   | .0307   | .00034  | .0143  | .00100  | .006   | .00061  | .24035  |
| %RSD   | .66551  | .74808  | 671.17  | 1.3250 | 4.7713  | .3973  | 1.0180  | 12.797  |
| #1     | 1.7936  | 4.1273  | -.00029 | 1.0861 | .02015  | 1.485  | -.05947 | -1.7083 |
| #2     | 1.8105  | 4.0839  | .00019  | 1.0660 | .02156  | 1.493  | -.06033 | -2.0482 |



Sample Name: J6206-15      Acquired: 12/4/2018 21:57:47      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-4B-(      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .53403  
 Stddev      .01994  
 %RSD      3.7330

#1      .54812  
 #2      .51993

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4281.4 | 70760. | 4229.8 | 95.098 | 4219.3 |
| Stddev    | 8.4    | 231.   | 14.9   | .535   | 3.6    |
| %RSD      | .19552 | .32697 | .35170 | .56294 | .08619 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4275.5 | 70597. | 4240.3 | 95.477 | 4221.9 |
| #2 | 4287.3 | 70924. | 4219.3 | 94.720 | 4216.8 |

Sample Name: J6206-17      Acquired: 12/4/2018 22:01:45      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-3A-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00776 | .00008 | .08946 | .00707 | .00010 | 17.952 | .04939 | .00043 |
| Stddev | .00183 | .00028 | .00011 | .00029 | .00042 | .239   | .00072 | .00005 |
| %RSD   | 23.646 | 329.32 | .12304 | 4.1609 | 417.64 | 1.3329 | 1.4665 | 10.779 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00646 | -.00011 | .08954 | .00728 | .00040  | 18.121 | .04990 | .00040 |
| #2 | .00906 | .00028  | .08938 | .00686 | -.00020 | 17.783 | .04888 | .00047 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00007 | .32904 | .05264 | .00230 | .02237 | 14.902 | .06992 | 1.5637 |
| Stddev | .00004 | .02117 | .00042 | .00019 | .00054 | .157   | .00067 | .0032  |
| %RSD   | 63.553 | 6.4345 | .79754 | 8.3790 | 2.4339 | 1.0533 | .96069 | .20449 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00004 | .34401 | .05294 | .00217 | .02276 | 15.013 | .07039 | 1.5659 |
| #2 | .00010 | .31407 | .05234 | .00244 | .02199 | 14.791 | .06944 | 1.5614 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .01934 | -.00109 | .08582 | .02778 | .03615 | 1.0886 | .00082 | -.00128 |
| Stddev | .00023 | .00042  | .01003 | .00059 | .00034 | .0092  | .00015 | .00583  |
| %RSD   | 1.1873 | 38.585  | 11.686 | 2.1108 | .93309 | .84642 | 17.693 | 456.90  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .01950 | -.00138 | .07873 | .02819 | .03639 | 1.0821 | .00093 | .00284  |
| #2 | .01917 | -.00079 | .09291 | .02736 | .03592 | 1.0952 | .00072 | -.00539 |

|        |        |        |         |        |        |        |         |         |
|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.3339 | 3.2442 | -.00097 | .56282 | .00172 | .7513  | -.00930 | <.00000 |
| Stddev | .0025  | .0381  | .00082  | .00196 | .00073 | .0015  | .00005  | .52051  |
| %RSD   | .18818 | 1.1740 | 83.808  | .34878 | 42.119 | .1981  | .52594  | 18.042  |

|    |        |        |         |        |        |       |         |         |
|----|--------|--------|---------|--------|--------|-------|---------|---------|
| #1 | 1.3357 | 3.2712 | -.00040 | .56143 | .00121 | .7503 | -.00934 | -2.5169 |
| #2 | 1.3321 | 3.2173 | -.00155 | .56421 | .00224 | .7524 | -.00927 | -3.2530 |

Sample Name: J6206-17      Acquired: 12/4/2018 22:01:45      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-3A-(      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      4.9668  
 Stddev      .5163  
 %RSD      10.395

#1      4.6017  
 #2      5.3319

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4286.0 | 71691. | 4166.8 | 97.838 | 4435.0 |
| Stddev    | 2.3    | 1065.  | 14.3   | 1.031  | 4.5    |
| %RSD      | .05476 | 1.4848 | .34418 | 1.0540 | .10051 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4287.7 | 70938. | 4156.7 | 97.108 | 4438.2 |
| #2 | 4284.3 | 72444. | 4177.0 | 98.567 | 4431.9 |

Sample Name: J6206-19      Acquired: 12/4/2018 22:05:45      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-3B-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00746 | -.00161 | .03469 | .01167 | .00109 | 32.612 | .08228 | .00156 |
| Stddev | .00117 | .00091  | .00120 | .00135 | .00174 | .028   | .00040 | .00001 |
| %RSD   | 15.698 | 56.224  | 3.4563 | 11.554 | 159.81 | .08530 | .49096 | .44861 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00663 | -.00225 | .03554 | .01071 | .00232  | 32.632 | .08257 | .00156 |
| #2 | .00828 | -.00097 | .03385 | .01262 | -.00014 | 32.592 | .08200 | .00155 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00131 | .55239 | .09675 | .00950 | .04525 | 50.665 | .33237 | 5.5869 |
| Stddev | .00018  | .01571 | .00004 | .00017 | .00013 | 1.420  | .00058 | .0716  |
| %RSD   | 14.106  | 2.8447 | .03817 | 1.8336 | .29631 | 2.8033 | .17374 | 1.2807 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00144 | .56350 | .09673 | .00962 | .04515 | 51.670 | .33196 | 5.6375 |
| #2 | -.00118 | .54128 | .09678 | .00937 | .04534 | 49.661 | .33278 | 5.5363 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04616 | -.00244 | .15696 | .07646 | .14383 | 3.0202 | .00148 | .02467 |
| Stddev | .00046 | .00007  | .00069 | .00067 | .00437 | .0410  | .00007 | .00509 |
| %RSD   | 1.0001 | 2.8089  | .44231 | .87603 | 3.0391 | 1.3559 | 4.7184 | 20.616 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .04648 | -.00240 | .15647 | .07693 | .14692 | 3.0492 | .00153 | .02107 |
| #2 | .04583 | -.00249 | .15746 | .07599 | .14074 | 2.9912 | .00143 | .02826 |

|        |        |        |         |        |        |        |         |         |
|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.0470 | 2.2142 | -.00159 | 1.2657 | .01786 | 1.114  | -.04853 | <.00000 |
| Stddev | .0013  | .0120  | .00072  | .0038  | .00065 | .000   | .00157  | .19490  |
| %RSD   | .12427 | .54325 | 45.172  | .30310 | 3.6320 | .0168  | 3.2333  | 12.020  |

|    |        |        |         |        |        |       |         |         |
|----|--------|--------|---------|--------|--------|-------|---------|---------|
| #1 | 1.0479 | 2.2227 | -.00108 | 1.2630 | .01741 | 1.115 | -.04964 | -1.7592 |
| #2 | 1.0461 | 2.2057 | -.00210 | 1.2684 | .01832 | 1.114 | -.04742 | -1.4836 |

Sample Name: J6206-19      Acquired: 12/4/2018 22:05:45      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-3B-(      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.3034  
 Stddev      .0938  
 %RSD      2.8404

#1      3.2370  
 #2      3.3697

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4219.8 | 69757. | 4118.9 | 96.451 | 4279.6 |
| Stddev    | 15.7   | 216.   | 20.4   | 3.109  | 20.6   |
| %RSD      | .37297 | .31007 | .49430 | 3.2232 | .48189 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4208.6 | 69604. | 4104.5 | 94.253 | 4265.0 |
| #2 | 4230.9 | 69910. | 4133.3 | 98.650 | 4294.2 |

Sample Name: J6204-02      Acquired: 12/4/2018 22:09:44      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-1A-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .06056 | -.00334 | .46632 | .02749 | .00104 | 77.233 | .36494 |
| Stddev | .00277 | .00016  | .00037 | .00039 | .00028 | .169   | .00404 |
| %RSD   | 4.5713 | 4.7252  | .07926 | 1.4348 | 26.601 | .21911 | 1.1066 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .05861 | -.00345 | .46659 | .02777 | .00124 | 77.352 | .36780 |
| #2 | .06252 | -.00323 | .46606 | .02721 | .00084 | 77.113 | .36209 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00478 | -.00377 | 4.4893 | .11158 | .04393 | .12314 | 150.06 |
| Stddev | .00016 | .00018  | .0068  | .00159 | .00016 | .00059 | 1.45   |
| %RSD   | 3.2836 | 4.6506  | .15155 | 1.4269 | .35573 | .48209 | .96799 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00467 | -.00364 | 4.4941 | .11270 | .04404 | .12356 | 149.04 |
| #2 | .00489 | -.00389 | 4.4845 | .11045 | .04382 | .12272 | 151.09 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.0318 | 11.484 | .08189 | -.00534 | .24672 | .17530 | .35827 |
| Stddev | .0010  | .141   | .00040 | .00012  | .00951 | .00082 | .00384 |
| %RSD   | .03398 | 1.2301 | .49343 | 2.2786  | 3.8540 | .47052 | 1.0718 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.0325 | 11.384 | .08218 | -.00542 | .23999 | .17588 | .35556 |
| #2 | 3.0310 | 11.584 | .08161 | -.00525 | .25344 | .17472 | .36099 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.6622 | .00272 | .09144 | 1.3845 | 3.4331 | .00749 | 1.2895 |
| Stddev | .0429  | .00027 | .00220 | .0028  | .0147  | .00006 | .0102  |
| %RSD   | 1.1723 | 9.8175 | 2.4110 | .20050 | .42731 | .77861 | .79135 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.6926 | .00291 | .09299 | 1.3865 | 3.4435 | .00745 | 1.2823 |
| #2 | 3.6319 | .00254 | .08988 | 1.3826 | 3.4227 | .00753 | 1.2968 |

Sample Name: J6204-02      Acquired: 12/4/2018 22:09:44      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-1A-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .04477 | 5.042  | -.13050 | <.00000 | F<.00000 |
| Stddev | .00007 | .003   | .00160  | .21773  | .20547   |
| %RSD   | .14939 | .0666  | 1.2252  | 10.325  | .78004   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .04482 | 5.045 | -.12937 | -1.9548 | -26.196 |
| #2 | .04472 | 5.040 | -.13163 | -2.2627 | -26.487 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4358.4 | 71464. | 4322.4 | 93.335 | 4032.2 |
| Stddev    | 5.6    | 133.   | 19.7   | .775   | 7.2    |
| %RSD      | .12954 | .18587 | .45526 | .82985 | .17789 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4354.4 | 71370. | 4308.5 | 93.883 | 4027.1 |
| #2 | 4362.4 | 71558. | 4336.3 | 92.788 | 4037.2 |

Sample Name: J6204-04      Acquired: 12/4/2018 22:13:40      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-1B-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .01838 | -.00181 | .11392 | .01770 | -.00046 | 40.226 | .18330 |
| Stddev | .00007 | .00005  | .00186 | .00452 | .00100  | .223   | .00168 |
| %RSD   | .37564 | 2.9212  | 1.6318 | 25.527 | 219.06  | .55415 | .91526 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .01833 | -.00177 | .11260 | .02089 | .00025  | 40.069 | .18449 |
| #2 | .01843 | -.00185 | .11523 | .01450 | -.00116 | 40.384 | .18212 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00290 | -.00323 | 1.4201 | .10395 | .03784 | .07767 | 105.33 |
| Stddev | .00006 | .00003  | .0008  | .00066 | .00007 | .00042 | .61    |
| %RSD   | 1.9426 | .78331  | .05997 | .63174 | .19207 | .54110 | .57793 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00294 | -.00321 | 1.4207 | .10442 | .03790 | .07737 | 105.76 |
| #2 | .00286 | -.00325 | 1.4195 | .10349 | .03779 | .07796 | 104.90 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.9728 | 9.5200 | .06736 | -.00485 | .15151 | .10479 | .16600 |
| Stddev | .0021  | .0216  | .00019 | .00023  | .00774 | .00034 | .00112 |
| %RSD   | .10437 | .22665 | .28588 | 4.7599  | 5.1059 | .32024 | .67460 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.9713 | 9.5047 | .06722 | -.00501 | .14604 | .10502 | .16679 |
| #2 | 1.9742 | 9.5353 | .06750 | -.00468 | .15698 | .10455 | .16521 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7168 | .00216 | .05358 | .41148 | 2.5410 | .00055 | 1.5914 |
| Stddev | .0185  | .00023 | .00913 | .00511 | .0788  | .00017 | .0064  |
| %RSD   | .39163 | 10.456 | 17.034 | 1.2423 | 3.0994 | 31.512 | .40346 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.7037 | .00232 | .06004 | .40787 | 2.5967 | .00068 | 1.5868 |
| #2 | 4.7298 | .00200 | .04713 | .41510 | 2.4853 | .00043 | 1.5959 |



Sample Name: J6204-04      Acquired: 12/4/2018 22:13:40      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-1B-(      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .02520 | 2.079  | -.09956 | <.00000 | F<.00000 |
| Stddev | .00067 | .003   | .00061  | .22114  | .37993   |
| %RSD   | 2.6472 | .1310  | .60812  | 11.825  | 3.3259   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .02473 | 2.077 | -.09998 | -2.0265 | -11.692 |
| #2 | .02567 | 2.081 | -.09913 | -1.7138 | -11.155 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4285.0 | 70500. | 4228.5 | 95.570 | 4193.3 |
| Stddev    | 12.3   | 181.   | 51.5   | .896   | 2.5    |
| %RSD      | .28765 | .25728 | 1.2191 | .93720 | .05998 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4276.2 | 70628. | 4192.1 | 94.936 | 4191.5 |
| #2 | 4293.7 | 70372. | 4265.0 | 96.203 | 4195.1 |

Sample Name: J6204-06      Acquired: 12/4/2018 22:17:37      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-2A-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .07985 | -.00318 | .33273 | .02988 | -.00004 | 83.393 | .36567 |
| Stddev | .00119 | .00013  | .00217 | .00196 | .00156  | .520   | .00359 |
| %RSD   | 1.4885 | 4.1683  | .65189 | 6.5657 | 3767.7  | .62348 | .98159 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .08069 | -.00308 | .33119 | .03126 | -.00114 | 83.761 | .36821 |
| #2 | .07901 | -.00327 | .33426 | .02849 | .00106  | 83.026 | .36313 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00545 | -.00431 | 1.5246 | .12762 | .04318 | .13779 | 152.24 |
| Stddev | .00012 | .00018  | .0015  | .00030 | .00032 | .00158 | .60    |
| %RSD   | 2.2116 | 4.0947  | .09738 | .23227 | .74414 | 1.1501 | .39401 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00536 | -.00443 | 1.5257 | .12783 | .04295 | .13667 | 152.67 |
| #2 | .00553 | -.00418 | 1.5236 | .12741 | .04341 | .13891 | 151.82 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.1121 | 10.830 | .09475 | -.00463 | .19582 | .16228 | .31522 |
| Stddev | .0034  | .010   | .00041 | .00049  | .00688 | .00238 | .00311 |
| %RSD   | .10817 | .09480 | .43373 | 10.610  | 3.5128 | 1.4688 | .98504 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.1097 | 10.837 | .09446 | -.00498 | .19095 | .16397 | .31742 |
| #2 | 3.1145 | 10.823 | .09504 | -.00428 | .20068 | .16059 | .31303 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.8978 | .00235 | .10301 | 1.2768 | 4.1004 | .00919 | 1.0482 |
| Stddev | .0203  | .00019 | .00929 | .0097  | .0255  | .00043 | .0074  |
| %RSD   | .70165 | 8.1847 | 9.0176 | .76079 | .62223 | 4.7130 | .70503 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.8835 | .00249 | .09644 | 1.2700 | 4.0824 | .00950 | 1.0534 |
| #2 | 2.9122 | .00222 | .10958 | 1.2837 | 4.1185 | .00889 | 1.0429 |

Sample Name: J6204-06      Acquired: 12/4/2018 22:17:37      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-2A-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .04491 | 5.802  | -.14481 | <.00000 | F<.00000 |
| Stddev | .00075 | .029   | .00051  | .08737  | 1.9589   |
| %RSD   | 1.6805 | .5044  | .35174  | 2.3738  | 7.1167   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .04437 | 5.781 | -.14517 | -3.6190 | -28.911 |
| #2 | .04544 | 5.822 | -.14445 | -3.7426 | -26.140 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4584.8 | 74698. | 4523.2 | 91.756 | 4050.0 |
| Stddev    | 4.8    | 276.   | 25.9   | .507   | 3.3    |
| %RSD      | .10466 | .36921 | .57295 | .55298 | .08081 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4581.4 | 74503. | 4504.9 | 91.397 | 4047.7 |
| #2 | 4588.2 | 74893. | 4541.5 | 92.115 | 4052.3 |

Sample Name: J6204-08      Acquired: 12/4/2018 22:21:39      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-2B-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00856 | -.00396 | .01521 | .02270 | -.00095 | 38.600 | .19170 |
| Stddev | .00167 | .00121  | .00047 | .00049 | .00101  | .025   | .00071 |
| %RSD   | 19.467 | 30.470  | 3.0722 | 2.1428 | 106.33  | .06429 | .37051 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00974 | -.00481 | .01488 | .02304 | -.00024 | 38.618 | .19120 |
| #2 | .00738 | -.00311 | .01554 | .02235 | -.00167 | 38.583 | .19221 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00298 | -.00484 | 3.1132 | .07744 | .04281 | .08925 | 139.29 |
| Stddev | .00002 | .00006  | .0312  | .00095 | .00041 | .00018 | .54    |
| %RSD   | .55287 | 1.1771  | 1.0008 | 1.2268 | .95766 | .20647 | .38674 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00300 | -.00480 | 3.0912 | .07811 | .04310 | .08938 | 139.67 |
| #2 | .00297 | -.00488 | 3.1353 | .07677 | .04252 | .08912 | 138.91 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.2553 | 12.144 | .07818 | -.00556 | .17137 | .10502 | .15631 |
| Stddev | .0020  | .152   | .00066 | .00049  | .00856 | .00019 | .00176 |
| %RSD   | .08796 | 1.2516 | .83797 | 8.8528  | 4.9961 | .18052 | 1.1291 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.2567 | 12.036 | .07865 | -.00591 | .16532 | .10489 | .15755 |
| #2 | 2.2539 | 12.251 | .07772 | -.00521 | .17743 | .10516 | .15506 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.6466 | .00183 | .07695 | .27000 | 1.8770 | .00060 | 2.3799 |
| Stddev | .0344  | .00026 | .00646 | .00063 | .0174  | .00023 | .0075  |
| %RSD   | .44939 | 14.198 | 8.3903 | .23191 | .92765 | 38.273 | .31510 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.6223 | .00165 | .08152 | .27045 | 1.8647 | .00077 | 2.3746 |
| #2 | 7.6709 | .00201 | .07239 | .26956 | 1.8893 | .00044 | 2.3852 |

Sample Name: J6204-08      Acquired: 12/4/2018 22:21:39      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-2B-(      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .02988 | 3.176  | -.14134 | <.00000 | F<.00000 |
| Stddev | .00093 | .022   | .00065  | .19933  | 1.4539   |
| %RSD   | 3.1283 | .6987  | .45926  | 18.328  | 6.9049   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .03054 | 3.191 | -.14180 | -.94663 | -22.084 |
| #2 | .02922 | 3.160 | -.14088 | -1.2285 | -20.028 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4267.6 | 69715. | 4191.4 | 91.318 | 4061.6 |
| Stddev    | 3.7    | 80.    | 7.4    | .350   | 4.6    |
| %RSD      | .08691 | .11438 | .17551 | .38301 | .11346 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4270.2 | 69658. | 4196.6 | 91.071 | 4064.8 |
| #2 | 4264.9 | 69771. | 4186.2 | 91.565 | 4058.3 |

Sample Name: CCV09      Acquired: 12/4/2018 22:25:37      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |        |          |        |        |        |
|--------|----------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068   | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | F 4.4942 | 4.7245 | 4.5162 | 4.5422 | F 4.4976 | 9.1944 | 9.8064 | .24216 |
| Stddev | .0129    | .0109  | .0004  | .0211  | .0215    | .0441  | .0501  | .00010 |
| %RSD   | .28586   | .23108 | .00825 | .46468 | .47773   | .47990 | .51085 | .04135 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.5033 | 4.7322 | 4.5165 | 4.5571 | 4.5127 | 9.2256 | 9.7710 | .24223 |
| #2 | 4.4851 | 4.7168 | 4.5159 | 4.5273 | 4.4824 | 9.1632 | 9.8419 | .24209 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3167 | 24.642 | .99033 | 2.2584 | 1.1896 | 4.7332 | 2.4773 | 24.192 |
| Stddev | .0009  | .056   | .00429 | .0011  | .0043  | .0669  | .0042  | .020   |
| %RSD   | .03875 | .22605 | .43364 | .04756 | .36297 | 1.4123 | .17060 | .08459 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3173 | 24.603 | .99337 | 2.2576 | 1.1927 | 4.6859 | 2.4803 | 24.207 |
| #2 | 2.3161 | 24.682 | .98730 | 2.2591 | 1.1866 | 4.7805 | 2.4744 | 24.178 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3463 | 1.1800 | 24.236 | 2.3576 | 2.4136 | 24.728 | 4.6400 | 5.0503 |
| Stddev | .0005  | .0049  | .196   | .0087  | .0352  | .187   | .0124  | .0292  |
| %RSD   | .02094 | .41224 | .81036 | .36938 | 1.4567 | .75684 | .26827 | .57893 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3466 | 1.1835 | 24.097 | 2.3637 | 2.3887 | 24.595 | 4.6488 | 5.0296 |
| #2 | 2.3459 | 1.1766 | 24.375 | 2.3514 | 2.4384 | 24.860 | 4.6312 | 5.0709 |

|        |          |        |        |        |        |        |        |          |
|--------|----------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F 4.3699 | 4.9261 | 4.5886 | 4.7864 | 4.9308 | 4.594  | 4.8022 | F 1.6312 |
| Stddev | .0149    | .0274  | .0053  | .0092  | .0315  | .006   | .0162  | .3233    |
| %RSD   | .33977   | .55549 | .11592 | .19123 | .63922 | .1410  | .33710 | 19.822   |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 4.3804 | 4.9068 | 4.5924 | 4.7799 | 4.9085 | 4.598 | 4.7907 | 1.8598 |
| #2 | 4.3594 | 4.9455 | 4.5849 | 4.7929 | 4.9531 | 4.589 | 4.8136 | 1.4026 |

Sample Name: CCV09      Acquired: 12/4/2018 22:25:37      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.4760  
Stddev      .1362  
%RSD      3.9173

#1      3.5723  
#2      3.3798

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3945.7 | 63595. | 3848.8 | 88.942 | 3833.5 |
| Stddev    | 10.1   | 186.   | 14.3   | 1.367  | .7     |
| %RSD      | .25666 | .29255 | .37038 | 1.5371 | .01744 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3938.5 | 63463. | 3858.8 | 89.908 | 3833.0 |
| #2 | 3952.9 | 63726. | 3838.7 | 87.975 | 3834.0 |

Sample Name: CCB09      Acquired: 12/4/2018 22:29:23      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7748      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |         |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00156 | .00079 | -.00017 | .00371 | -.00048 | .00368 | .00090 |
| Stddev | .00065  | .00099 | .00059  | .00112 | .00034  | .00815 | .00067 |
| %RSD   | 41.286  | 124.99 | 341.65  | 30.141 | 70.387  | 221.62 | 74.413 |

|    |         |        |         |        |         |         |        |
|----|---------|--------|---------|--------|---------|---------|--------|
| #1 | -.00111 | .00149 | -.00059 | .00451 | -.00024 | -.00208 | .00043 |
| #2 | -.00202 | .00009 | .00024  | .00292 | -.00072 | .00944  | .00138 |

|        |         |         |        |         |         |         |        |
|--------|---------|---------|--------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00005 | -.00005 | .00204 | -.00002 | -.00007 | -.00013 | .00208 |
| Stddev | .00001  | .00003  | .01830 | .00000  | .00005  | .00034  | .00019 |
| %RSD   | 29.789  | 66.523  | 896.72 | 7.0758  | 66.804  | 264.51  | 9.0286 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00004 | -.00003 | -.01090 | -.00002 | -.00010 | -.00037 | .00195 |
| #2 | -.00006 | -.00007 | .01498  | -.00003 | -.00004 | .00011  | .00222 |

|        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00000 | .06716 | .00017 | -.00078 | .01484 | .00017 | -.00119 |
| Stddev | .00004 | .04205 | .00009 | .00035  | .00236 | .00007 | .00020  |
| %RSD   | 5285.2 | 62.617 | 56.538 | 44.665  | 15.868 | 40.436 | 16.961  |

|    |         |        |        |         |        |        |         |
|----|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00003  | .09690 | .00010 | -.00054 | .01318 | .00021 | -.00105 |
| #2 | -.00003 | .03742 | .00023 | -.00103 | .01651 | .00012 | -.00133 |

|        |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.07066 | -.00000 | -.01495 | -.00012 | -.00205 | -.00131 | .00338 |
| Stddev | .00149  | .00027  | .00454  | .00260  | .00473  | .00020  | .00451 |
| %RSD   | 2.1048  | 20316.  | 30.332  | 2083.9  | 230.76  | 15.221  | 133.20 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.07171 | .00019  | -.01816 | .00171  | .00129  | -.00145 | .00020 |
| #2 | -.06961 | -.00019 | -.01175 | -.00196 | -.00539 | -.00117 | .00657 |



Sample Name: CCB09      Acquired: 12/4/2018 22:29:23      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA7748      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |          |          |
|--------|--------|--------|---------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg    | .00061 | .0016  | -.00003 | F<.00000 | F 1.1178 |
| Stddev | .00074 | .0005  | .00005  | .07038   | .1939    |
| %RSD   | 121.79 | 29.61  | 145.55  | 6.9909   | 17.346   |

|    |        |       |         |         |        |
|----|--------|-------|---------|---------|--------|
| #1 | .00113 | .0019 | -.00007 | -1.0564 | .98067 |
| #2 | .00008 | .0012 | .00000  | -.95690 | 1.2549 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4091.2 | 67088. | 3911.1 | 93.567 | 4401.2 |
| Stddev    | 5.8    | 476.   | 29.8   | .695   | 9.7    |
| %RSD      | .14077 | .70926 | .76237 | .74313 | .22053 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4087.1 | 66751. | 3890.1 | 93.075 | 4394.3 |
| #2 | 4095.2 | 67424. | 3932.2 | 94.058 | 4408.1 |

Sample Name: J6204-11      Acquired: 12/4/2018 22:33:29      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-7A-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03830 | -.00175 | .89293 | .01659 | .00038 | 49.554 | .27067 |
| Stddev | .00085 | .00152  | .00448 | .00343 | .00215 | .006   | .00172 |
| %RSD   | 2.2201 | 86.599  | .50151 | 20.683 | 569.04 | .01297 | .63637 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .03770 | -.00068 | .88977 | .01416 | .00190  | 49.559 | .27188 |
| #2 | .03891 | -.00283 | .89610 | .01901 | -.00114 | 49.550 | .26945 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00186 | -.00297 | 2.3082 | .08977 | .02151 | .12065 | 91.906 |
| Stddev | .00004 | .00008  | .0211  | .00147 | .00002 | .00152 | .129   |
| %RSD   | 2.2107 | 2.8636  | .91237 | 1.6326 | .11489 | 1.2623 | .13999 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00183 | -.00303 | 2.3231 | .08873 | .02150 | .11958 | 91.997 |
| #2 | .00188 | -.00291 | 2.2933 | .09080 | .02153 | .12173 | 91.815 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.6142 | 7.8578 | .04102 | -.00330 | .15792 | .12764 | .23030 |
| Stddev | .0010  | .0682  | .00009 | .00031  | .00236 | .00155 | .00113 |
| %RSD   | .06192 | .86818 | .21037 | 9.5544  | 1.4955 | 1.2165 | .49028 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.6149 | 7.8095 | .04108 | -.00307 | .15959 | .12654 | .22950 |
| #2 | 1.6135 | 7.9060 | .04096 | -.00352 | .15625 | .12874 | .23110 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.4503 | .00202 | .05476 | 1.6308 | 2.3248 | .03312 | 1.1225 |
| Stddev | .0066  | .00035 | .00333 | .0131  | .0019  | .00019 | .0024  |
| %RSD   | .19271 | 17.470 | 6.0814 | .80050 | .08159 | .56668 | .21261 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.4550 | .00177 | .05240 | 1.6216 | 2.3261 | .03299 | 1.1209 |
| #2 | 3.4456 | .00227 | .05711 | 1.6400 | 2.3235 | .03326 | 1.1242 |

Sample Name: J6204-11      Acquired: 12/4/2018 22:33:29      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-7A-(      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .03267 | 3.481  | -.07764 | <.00000 | F<.00000 |
| Stddev | .00143 | .013   | .00003  | .17241  | .33115   |
| %RSD   | 4.3858 | .3656  | .03263  | 12.437  | 5.0617   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .03369 | 3.472 | -.07766 | -1.2643 | -6.3081 |
| #2 | .03166 | 3.490 | -.07763 | -1.5082 | -6.7764 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4263.0 | 69530. | 4168.0 | 94.598 | 4182.8 |
| Stddev    | 4.1    | 131.   | 10.3   | .052   | 3.9    |
| %RSD      | .09554 | .18847 | .24816 | .05461 | .09350 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4260.1 | 69437. | 4160.7 | 94.562 | 4185.6 |
| #2 | 4265.9 | 69622. | 4175.3 | 94.635 | 4180.1 |

Sample Name: J6204-13      Acquired: 12/4/2018 22:37:26      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-7B-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .02594 | -.00246 | .41147 | .02707 | -.00079 | 85.036 | .75882 |
| Stddev | .00051 | .00033  | .00082 | .00115 | .00056  | .194   | .00264 |
| %RSD   | 1.9566 | 13.524  | .19818 | 4.2583 | 70.885  | .22805 | .34813 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .02558 | -.00223 | .41089 | .02625 | -.00119 | 84.899 | .76069 |
| #2 | .02629 | -.00270 | .41204 | .02788 | -.00039 | 85.174 | .75695 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00453 | -.00458 | 3.3895 | .11219 | .05608 | .10323 | 144.22 |
| Stddev | .00007 | .00007  | .0171  | .00004 | .00012 | .00028 | .55    |
| %RSD   | 1.5109 | 1.4622  | .50370 | .03652 | .20740 | .26979 | .38062 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00448 | -.00463 | 3.3774 | .11216 | .05617 | .10303 | 144.61 |
| #2 | .00458 | -.00453 | 3.4016 | .11222 | .05600 | .10343 | 143.84 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.1239 | 13.121 | .08360 | -.00634 | .32377 | .16024 | .37782 |
| Stddev | .0125  | .122   | .00015 | .00085  | .00507 | .00003 | .00192 |
| %RSD   | .39973 | .92712 | .17981 | 13.469  | 1.5645 | .01995 | .50832 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.1150 | 13.035 | .08349 | -.00573 | .32018 | .16027 | .37918 |
| #2 | 3.1327 | 13.207 | .08371 | -.00694 | .32735 | .16022 | .37647 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.2626 | .00179 | .09781 | .59161 | 3.4433 | .02974 | 1.6985 |
| Stddev | .0324  | .00033 | .00860 | .00378 | .0427  | .00093 | .0094  |
| %RSD   | .99425 | 18.535 | 8.7951 | .63833 | 1.2392 | 3.1130 | .55389 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.2396 | .00155 | .10390 | .59428 | 3.4734 | .03040 | 1.6919 |
| #2 | 3.2855 | .00202 | .09173 | .58894 | 3.4131 | .02909 | 1.7052 |

Sample Name: J6204-13      Acquired: 12/4/2018 22:37:26      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-7B-(      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .05347 | 3.472  | -.11025 | <.00000 | F<.00000 |
| Stddev | .00092 | .009   | .00091  | .17415  | .56824   |
| %RSD   | 1.7164 | .2714  | .82811  | 14.082  | 2.4438   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .05282 | 3.479 | -.11090 | -1.1136 | -22.850 |
| #2 | .05412 | 3.465 | -.10960 | -1.3599 | -23.654 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4336.0 | 69993. | 4217.3 | 93.220 | 4060.2 |
| Stddev    | 1.7    | 117.   | 13.2   | .430   | 16.6   |
| %RSD      | .03852 | .16683 | .31192 | .46140 | .40910 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4337.2 | 70076. | 4226.6 | 92.915 | 4048.5 |
| #2 | 4334.8 | 69911. | 4208.0 | 93.524 | 4072.0 |

Sample Name: J6204-15      Acquired: 12/4/2018 22:41:27      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-8A-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .06032 | -.00005 | .53821 | .03006 | .00074 | 32.995 | .10526 |
| Stddev | .00151 | .00074  | .00195 | .00115 | .00143 | .131   | .00007 |
| %RSD   | 2.4975 | 1473.8  | .36213 | 3.8323 | 194.61 | .39690 | .06420 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .05925 | -.00057 | .53683 | .02924 | .00175  | 32.903 | .10531 |
| #2 | .06138 | .00047  | .53958 | .03087 | -.00028 | 33.088 | .10521 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00109 | -.00497 | .74652 | .08942 | .01662 | .10664 | 140.81 |
| Stddev | .00003 | .00029  | .00958 | .00078 | .00014 | .00041 | 2.73   |
| %RSD   | 2.8622 | 5.9001  | 1.2836 | .87711 | .87038 | .38418 | 1.9419 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00111 | -.00477 | .75330 | .08887 | .01672 | .10635 | 138.88 |
| #2 | .00107 | -.00518 | .73975 | .08998 | .01651 | .10693 | 142.75 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .68478 | 4.6559 | .02433 | -.00641 | .11165 | .13311 | .10803 |
| Stddev | .00045 | .0187  | .00028 | .00019  | .00173 | .00055 | .00287 |
| %RSD   | .06602 | .40081 | 1.1389 | 2.8983  | 1.5526 | .40997 | 2.6579 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .68510 | 4.6691 | .02413 | -.00628 | .11287 | .13273 | .10600 |
| #2 | .68446 | 4.6427 | .02452 | -.00654 | .11042 | .13350 | .11006 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6256 | .00227 | .08273 | 2.5251 | 3.0056 | .00774 | .90964 |
| Stddev | .0429  | .00022 | .01150 | .0048  | .0661  | .00007 | .00104 |
| %RSD   | 1.6343 | 9.5467 | 13.901 | .18869 | 2.1992 | .91282 | .11481 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6559 | .00242 | .07460 | 2.5217 | 3.0523 | .00769 | .90890 |
| #2 | 2.5952 | .00211 | .09086 | 2.5285 | 2.9589 | .00779 | .91038 |

Sample Name: J6204-15      Acquired: 12/4/2018 22:41:27      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-8A-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .01665 | 2.611  | -.14326 | <.00000 | F<.00000 |
| Stddev | .00021 | .009   | .00290  | .19693  | .46614   |
| %RSD   | 1.2467 | .3511  | 2.0246  | 17.652  | 2.0301   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .01680 | 2.605 | -.14121 | -1.2549 | -22.632 |
| #2 | .01651 | 2.618 | -.14531 | -.97640 | -23.291 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4209.0 | 68697. | 4098.5 | 93.739 | 4166.4 |
| Stddev    | 10.5   | 189.   | 3.3    | 1.878  | 7.7    |
| %RSD      | .25021 | .27515 | .08056 | 2.0036 | .18439 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4201.6 | 68831. | 4096.1 | 95.067 | 4161.0 |
| #2 | 4216.5 | 68563. | 4100.8 | 92.411 | 4171.8 |

Sample Name: J6204-17      Acquired: 12/4/2018 22:45:25      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-SB-8B-(      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00981 | -.00301 | .08810 | .01737 | -.00109 | 27.976 | .10206 |
| Stddev | .00068 | .00175  | .00037 | .00108 | .00023  | .090   | .00072 |
| %RSD   | 6.9047 | 58.252  | .41887 | 6.2389 | 21.058  | .32318 | .70992 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .01029 | -.00425 | .08784 | .01813 | -.00125 | 28.040 | .10257 |
| #2 | .00933 | -.00177 | .08836 | .01660 | -.00092 | 27.912 | .10154 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00163 | -.00285 | .25428 | .09868 | .02233 | .03749 | 80.362 |
| Stddev | .00001 | .00005  | .00046 | .00161 | .00012 | .00050 | .136   |
| %RSD   | .70541 | 1.8713  | .18268 | 1.6334 | .55083 | 1.3443 | .16862 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00162 | -.00289 | .25395 | .09754 | .02224 | .03785 | 80.458 |
| #2 | .00164 | -.00281 | .25461 | .09982 | .02241 | .03714 | 80.266 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.4496 | 5.1843 | .04154 | -.00286 | .08527 | .05702 | .09586 |
| Stddev | .0045  | .0123  | .00026 | .00071  | .00023 | .00052 | .00001 |
| %RSD   | .18445 | .23747 | .63243 | 24.981  | .27224 | .90749 | .01236 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.4464 | 5.1930 | .04136 | -.00235 | .08544 | .05665 | .09585 |
| #2 | 2.4528 | 5.1755 | .04173 | -.00336 | .08511 | .05739 | .09587 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.2184 | .00058 | .04112 | .77009 | 2.2470 | .00260 | .93907 |
| Stddev | .0190  | .00005 | .00251 | .00378 | .0316  | .00025 | .00194 |
| %RSD   | .85792 | 7.9512 | 6.1139 | .49092 | 1.4069 | 9.4744 | .20633 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.2049 | .00061 | .04290 | .76741 | 2.2247 | .00243 | .93770 |
| #2 | 2.2318 | .00054 | .03934 | .77276 | 2.2694 | .00278 | .94044 |



Sample Name: J6204-17      Acquired: 12/4/2018 22:45:25      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-SB-8B-(      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .01255 | 1.193  | -.08086 | <.00000 | F<.00000 |
| Stddev | .00039 | .001   | .00015  | .37619  | .49484   |
| %RSD   | 3.0935 | .0717  | .18470  | 13.993  | 17.902   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .01282 | 1.194 | -.08097 | -2.4225 | -2.4142 |
| #2 | .01227 | 1.193 | -.08075 | -2.9545 | -3.1141 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4476.2 | 72932. | 4381.3 | 96.620 | 4336.5 |
| Stddev    | 4.2    | 125.   | 20.6   | .038   | 3.4    |
| %RSD      | .09306 | .17128 | .46985 | .03920 | .07896 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4473.2 | 72844. | 4395.9 | 96.593 | 4338.9 |
| #2 | 4479.1 | 73021. | 4366.8 | 96.647 | 4334.0 |

Sample Name: J5775-03      Acquired: 12/4/2018 22:49:24      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-DUP01-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05695 | -.00502 | .34772 | .03985 | .00144 | 110.53 | .47253 |
| Stddev | .00212 | .00037  | .00057 | .00062 | .00069 | .53    | .00511 |
| %RSD   | 3.7220 | 7.3308  | .16412 | 1.5630 | 48.263 | .47571 | 1.0819 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .05545 | -.00476 | .34813 | .03941 | .00095 | 110.16 | .46892 |
| #2 | .05845 | -.00528 | .34732 | .04029 | .00193 | 110.90 | .47615 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00587 | -.00636 | 97.317 | .18917 | .08170 | .56738 | 225.59 |
| Stddev | .00025 | .00027  | 1.041  | .00021 | .00048 | .00245 | 2.66   |
| %RSD   | 4.3050 | 4.2547  | 1.0695 | .11003 | .58556 | .43114 | 1.1812 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00569 | -.00616 | 96.581 | .18902 | .08136 | .56565 | 223.71 |
| #2 | .00605 | -.00655 | 98.053 | .18932 | .08204 | .56911 | 227.47 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.1603 | 34.664 | .12798 | -.00839 | 9.2480 | .32753 | .74823 |
| Stddev | .0226  | .569   | .00002 | .00022  | .0950  | .00097 | .00752 |
| %RSD   | .71562 | 1.6413 | .01359 | 2.6626  | 1.0274 | .29565 | 1.0046 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.1443 | 34.262 | .12799 | -.00855 | 9.1808 | .32685 | .74291 |
| #2 | 3.1763 | 35.066 | .12797 | -.00823 | 9.3152 | .32822 | .75354 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.6064 | .00501 | .28675 | 4.1600 | 3.5298 | .03421 | 1.1378 |
| Stddev | .1290  | .00030 | .00835 | .0120  | .0350  | .00057 | .0039  |
| %RSD   | 1.3432 | 6.0371 | 2.9112 | .28822 | .99021 | 1.6636 | .34604 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.5151 | .00479 | .28085 | 4.1516 | 3.5051 | .03462 | 1.1351 |
| #2 | 9.6976 | .00522 | .29266 | 4.1685 | 3.5545 | .03381 | 1.1406 |

Sample Name: J5775-03      Acquired: 12/4/2018 22:49:24      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-DUP01-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .12928 | 5.212  | .32585 | <.00000 | F<.00000 |
| Stddev | .00001 | .017   | .00179 | .04636  | .57440   |
| %RSD   | .00756 | .3319  | .54928 | 16.807  | 1.0770   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .12928 | 5.200 | .32458 | -.30861 | -52.929 |
| #2 | .12927 | 5.224 | .32712 | -.24305 | -53.741 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4280.8 | 68405. | 4296.3 | 86.944 | 3683.7 |
| Stddev    | 8.5    | 211.   | 38.0   | .611   | 4.2    |
| %RSD      | .19793 | .30843 | .88370 | .70262 | .11309 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4274.8 | 68554. | 4323.2 | 87.375 | 3680.8 |
| #2 | 4286.8 | 68256. | 4269.5 | 86.512 | 3686.7 |

Sample Name: J5775-03DUP      Acquired: 12/4/2018 22:53:22      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-DUP01-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .05726 | -.00698 | .34954 | .03765 | -.00090 | 109.78 | .46827 |
| Stddev | .00006 | .00219  | .00382 | .00355 | .00015  | .46    | .00256 |
| %RSD   | .10348 | 31.440  | 1.0935 | 9.4186 | 17.005  | .42177 | .54737 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .05731 | -.00543 | .35224 | .03514 | -.00101 | 109.45 | .47008 |
| #2 | .05722 | -.00853 | .34684 | .04015 | -.00079 | 110.10 | .46646 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00600 | -.00601 | 95.775 | .19005 | .08195 | .56709 | 222.07 |
| Stddev | .00009 | .00041  | .282   | .00279 | .00071 | .00428 | 2.19   |
| %RSD   | 1.5233 | 6.7996  | .29496 | 1.4700 | .86453 | .75461 | .98624 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00594 | -.00572 | 95.975 | .18808 | .08246 | .57011 | 220.52 |
| #2 | .00607 | -.00630 | 95.575 | .19203 | .08145 | .56406 | 223.62 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.1508 | 34.263 | .12801 | -.00912 | 8.9846 | .32775 | .73341 |
| Stddev | .0046  | .265   | .00049 | .00016  | .0313  | .00438 | .00763 |
| %RSD   | .14670 | .77232 | .38580 | 1.7849  | .34822 | 1.3354 | 1.0406 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.1475 | 34.450 | .12836 | -.00901 | 9.0068 | .32466 | .72802 |
| #2 | 3.1540 | 34.076 | .12766 | -.00924 | 8.9625 | .33085 | .73881 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.4785 | .00490 | .26798 | 4.1426 | 3.5298 | .03248 | 1.1349 |
| Stddev | .0706  | .00013 | .00265 | .0281  | .0291  | .00086 | .0041  |
| %RSD   | .74507 | 2.5603 | .99044 | .67725 | .82427 | 2.6479 | .35880 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.5284 | .00481 | .26610 | 4.1625 | 3.5504 | .03309 | 1.1320 |
| #2 | 9.4286 | .00499 | .26986 | 4.1228 | 3.5093 | .03187 | 1.1377 |

Sample Name: J5775-03DUP      Acquired: 12/4/2018 22:53:22      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-DUP01-1 Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .13283 | 5.203  | .32371 | <.00000 | F<.00000 |
| Stddev | .00051 | .010   | .00371 | .09304  | .74136   |
| %RSD   | .38109 | .1968  | 1.1473 | 15.576  | 1.3778   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .13247 | 5.211 | .32634 | -.66312 | -53.284 |
| #2 | .13319 | 5.196 | .32108 | -.53154 | -54.332 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4282.7 | 68713. | 4326.1 | 88.562 | 3686.3 |
| Stddev    | 16.7   | 116.   | 14.7   | .796   | 8.7    |
| %RSD      | .39041 | .16853 | .34057 | .89926 | .23614 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4270.9 | 68795. | 4315.6 | 89.125 | 3680.1 |
| #2 | 4294.5 | 68631. | 4336.5 | 87.999 | 3692.4 |

Sample Name: J5775-03LX5      Acquired: 12/4/2018 22:57:19      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7748      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01073 | -.00147 | .06398 | .00862 | -.00010 | 21.543 | .09671 | .00122 |
| Stddev | .00139 | .00024  | .00080 | .00084 | .00342  | .022   | .00082 | .00002 |
| %RSD   | 12.953 | 16.600  | 1.2446 | 9.7062 | 3383.2  | .10237 | .84776 | 1.2505 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .01172 | -.00129 | .06341 | .00921 | .00232  | 21.527 | .09728 | .00123 |
| #2 | .00975 | -.00164 | .06454 | .00803 | -.00252 | 21.558 | .09613 | .00121 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00140 | 20.280 | .03944 | .01496 | .12202 | 41.667 | .66126 | 7.3558 |
| Stddev | .00004  | .170   | .00057 | .00002 | .00069 | .524   | .00065 | .1132  |
| %RSD   | 2.6122  | .83686 | 1.4577 | .12517 | .56247 | 1.2570 | .09807 | 1.5389 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00143 | 20.160 | .03904 | .01497 | .12154 | 41.297 | .66080 | 7.2757 |
| #2 | -.00137 | 20.400 | .03985 | .01494 | .12251 | 42.037 | .66172 | 7.4358 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02307 | -.00237 | 1.9370 | .06714 | .14163 | 1.8781 | .00076 | .04626 |
| Stddev | .00041 | .00003  | .0155  | .00071 | .00128 | .0204  | .00007 | .00594 |
| %RSD   | 1.7937 | 1.1264  | .80053 | 1.0507 | .90711 | 1.0889 | 9.7255 | 12.838 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .02278 | -.00238 | 1.9260 | .06664 | .14073 | 1.8636 | .00071 | .05046 |
| #2 | .02336 | -.00235 | 1.9480 | .06764 | .14254 | 1.8925 | .00081 | .04206 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .73243 | .76794 | .00454 | .23501 | .02546 | .9367  | .07359 | <.00000 |
| Stddev | .00102 | .01294 | .00028 | .00148 | .00208 | .0016  | .00039 | .04585  |
| %RSD   | .13938 | 1.6846 | 6.0675 | .62790 | 8.1566 | .1717  | .53354 | 14.725  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | .73171 | .75879 | .00435 | .23397 | .02399 | .9378 | .07387 | -.27894 |
| #2 | .73315 | .77708 | .00474 | .23606 | .02693 | .9356 | .07331 | -.34378 |

Sample Name: J5775-03LX5      Acquired: 12/4/2018 22:57:19      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7748      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      8.5461  
Stddev      .3034  
%RSD      3.5499

#1      8.3316  
#2      8.7606

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4169.9 | 66995. | 4001.7 | 92.556 | 4165.1 |
| Stddev    | 2.4    | 21.    | 10.5   | .801   | 6.0    |
| %RSD      | .05753 | .03124 | .26216 | .86557 | .14327 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4171.6 | 66980. | 3994.3 | 93.123 | 4169.3 |
| #2 | 4168.2 | 67009. | 4009.2 | 91.990 | 4160.9 |

Sample Name: J5775-03MS      Acquired: 12/4/2018 23:01:19      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-DUP01-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .73240 | 2.0006 | 1.2990 | 1.7197 | .10737 | 134.48 | .74868 |
| Stddev | .00221 | .0066  | .0038  | .0064  | .00273 | .12    | .00344 |
| %RSD   | .30118 | .32889 | .29191 | .37202 | 2.5401 | .08718 | .45890 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73084 | 2.0052 | 1.3017 | 1.7243 | .10930 | 134.40 | .74625 |
| #2 | .73396 | 1.9959 | 1.2963 | 1.7152 | .10544 | 134.56 | .75111 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20232 | .19423 | 125.28 | .60321 | .30057 | .82679 | 247.64 |
| Stddev | .00023 | .00125 | .92    | .00069 | .00056 | .00260 | .77    |
| %RSD   | .11595 | .64535 | .73222 | .11367 | .18773 | .31443 | .31074 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20216 | .19512 | 124.63 | .60272 | .30097 | .82863 | 248.19 |
| #2 | .20249 | .19335 | 125.93 | .60369 | .30017 | .82495 | 247.10 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.2922 | 51.851 | .66845 | .05865 | 9.2968 | .71438 | 1.0153 |
| Stddev | .0013  | .378   | .00223 | .00010 | .0662  | .00167 | .0038  |
| %RSD   | .03817 | .72928 | .33411 | .17052 | .71255 | .23346 | .37672 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.2931 | 51.584 | .67003 | .05872 | 9.2500 | .71556 | 1.0180 |
| #2 | 3.2913 | 52.119 | .66687 | .05858 | 9.3437 | .71320 | 1.0126 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 19.742 | .32905 | .55365 | 4.2291 | 9.1996 | .64900 | 1.9527 |
| Stddev | .079   | .00035 | .00621 | .0017  | .0587  | .00155 | .0045  |
| %RSD   | .40223 | .10530 | 1.1215 | .04085 | .63788 | .23928 | .23035 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 19.686 | .32929 | .55804 | 4.2304 | 9.1581 | .65010 | 1.9559 |
| #2 | 19.798 | .32880 | .54926 | 4.2279 | 9.2411 | .64790 | 1.9496 |



Sample Name: J5775-03MS      Acquired: 12/4/2018 23:01:19      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HLSP-DUP01-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .36312 | F 11.28 | .55452 | .80464 | F<.00000 |
| Stddev | .00183 | .00     | .00538 | .06522 | .38166   |
| %RSD   | .50447 | .0320   | .97027 | 8.1058 | .58137   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .36182 | 11.27 | .55072 | .75852 | -65.378 |
| #2 | .36441 | 11.28 | .55832 | .85075 | -65.918 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4202.5 | 66926. | 4141.5 | 86.676 | 3566.6 |
| Stddev    | 4.8    | 4.     | 21.2   | .360   | 2.1    |
| %RSD      | .11522 | .00652 | .51224 | .41513 | .05985 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4205.9 | 66922. | 4156.5 | 86.422 | 3565.1 |
| #2 | 4199.1 | 66929. | 4126.5 | 86.930 | 3568.1 |

Sample Name: J5775-03MSD      Acquired: 12/4/2018 23:05:11      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-DUP01-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .73309 | 1.9926 | 1.2892 | 1.7112 | .10637 | 133.22 | .73789 |
| Stddev | .00673 | .0037  | .0149  | .0193  | .00029 | .24    | .00668 |
| %RSD   | .91854 | .18483 | 1.1560 | 1.1254 | .27702 | .18115 | .90589 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72833 | 1.9900 | 1.2787 | 1.6976 | .10657 | 133.39 | .74262 |
| #2 | .73785 | 1.9952 | 1.2998 | 1.7248 | .10616 | 133.05 | .73317 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20252 | .19313 | 123.91 | .59819 | .29875 | .82535 | 251.31 |
| Stddev | .00024 | .00159 | .68    | .00039 | .00070 | .00469 | .52    |
| %RSD   | .11905 | .82144 | .54767 | .06571 | .23277 | .56835 | .20622 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20235 | .19200 | 124.39 | .59791 | .29826 | .82203 | 251.68 |
| #2 | .20269 | .19425 | 123.43 | .59847 | .29924 | .82867 | 250.94 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.2832 | 51.394 | .66414 | .05945 | 9.1982 | .71143 | 1.0314 |
| Stddev | .0014  | .426   | .00589 | .00022 | .0414  | .00179 | .0046  |
| %RSD   | .04193 | .82946 | .88656 | .36178 | .44982 | .25096 | .44419 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.2842 | 51.695 | .65997 | .05930 | 9.2274 | .71270 | 1.0346 |
| #2 | 3.2822 | 51.092 | .66830 | .05960 | 9.1689 | .71017 | 1.0281 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 19.629 | .32872 | .54502 | 4.2014 | 9.1263 | .64710 | 1.9509 |
| Stddev | .130   | .00213 | .00626 | .0251  | .0517  | .00293 | .0044  |
| %RSD   | .66300 | .64711 | 1.1480 | .59800 | .56595 | .45240 | .22470 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 19.721 | .32722 | .54059 | 4.1836 | 9.1628 | .64503 | 1.9540 |
| #2 | 19.537 | .33023 | .54944 | 4.2192 | 9.0898 | .64917 | 1.9478 |

Sample Name: J5775-03MSD      Acquired: 12/4/2018 23:05:11      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HLSP-DUP01-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .36254 | F 11.28 | .54297 | .33572 | F<.00000 |
| Stddev | .00031 | .00     | .00680 | .01025 | .03684   |
| %RSD   | .08625 | .0050   | 1.2517 | 3.0527 | .05774   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .36276 | 11.28 | .54778 | .34296 | -63.773 |
| #2 | .36232 | 11.28 | .53817 | .32847 | -63.825 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4199.4 | 67488. | 4184.5 | 85.204 | 3577.2 |
| Stddev    | 9.0    | 176.   | 37.3   | .434   | 1.8    |
| %RSD      | .21511 | .26110 | .89160 | .50905 | .05170 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4193.0 | 67364. | 4158.1 | 84.897 | 3575.8 |
| #2 | 4205.8 | 67613. | 4210.8 | 85.511 | 3578.5 |

Sample Name: J5775-03A      Acquired: 12/4/2018 23:09:04      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14271      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .72944 | 1.9694 | 1.2780 | 1.7046 | .10772 | 133.35 | .73268 |
| Stddev | .00346 | .0011  | .0008  | .0135  | .00093 | .05    | .01721 |
| %RSD   | .47461 | .05458 | .05854 | .79032 | .86791 | .03874 | 2.3484 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73189 | 1.9687 | 1.2775 | 1.7141 | .10706 | 133.39 | .74484 |
| #2 | .72699 | 1.9702 | 1.2785 | 1.6951 | .10838 | 133.31 | .72051 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20273 | .19135 | 122.90 | .59915 | .29583 | .82621 | 247.80 |
| Stddev | .00049 | .00046 | 2.25   | .00115 | .00051 | .00304 | 5.13   |
| %RSD   | .24268 | .24260 | 1.8318 | .19246 | .17237 | .36760 | 2.0712 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20238 | .19102 | 124.49 | .59834 | .29619 | .82836 | 251.43 |
| #2 | .20308 | .19168 | 121.31 | .59997 | .29547 | .82406 | 244.17 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.2808 | 50.949 | .65988 | .05791 | 9.1299 | .71009 | 1.0149 |
| Stddev | .0043  | 1.175  | .00059 | .00007 | .1717  | .00582 | .0229  |
| %RSD   | .12963 | 2.3070 | .08917 | .12053 | 1.8806 | .82029 | 2.2553 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.2778 | 51.780 | .65946 | .05796 | 9.2513 | .70597 | 1.0311 |
| #2 | 3.2838 | 50.118 | .66029 | .05786 | 9.0085 | .71421 | .99871 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 19.437 | .32771 | .54428 | 4.1546 | 9.0334 | .64053 | 1.9244 |
| Stddev | .415   | .00145 | .01390 | .0118  | .1613  | .00218 | .0210  |
| %RSD   | 2.1335 | .44114 | 2.5531 | .28391 | 1.7857 | .34075 | 1.0923 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 19.731 | .32874 | .55410 | 4.1463 | 9.1475 | .63899 | 1.9393 |
| #2 | 19.144 | .32669 | .53445 | 4.1630 | 8.9193 | .64207 | 1.9095 |

Sample Name: J5775-03A      Acquired: 12/4/2018 23:09:04      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14271      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .35916 | F 11.17 | .53885 | .28430 | F<.00000 |
| Stddev | .00376 | .04     | .00905 | .01911 | 1.1860   |
| %RSD   | 1.0476 | .3146   | 1.6796 | 6.7220 | 1.8247   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .36182 | 11.15 | .54525 | .29782 | -64.161 |
| #2 | .35650 | 11.20 | .53245 | .27079 | -65.839 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4205.1 | 67355. | 4215.7 | 86.657 | 3601.4 |
| Stddev    | 3.6    | 90.    | 85.9   | 1.878  | 13.8   |
| %RSD      | .08476 | .13407 | 2.0385 | 2.1667 | .38291 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4202.6 | 67292. | 4154.9 | 85.330 | 3611.2 |
| #2 | 4207.6 | 67419. | 4276.5 | 87.985 | 3591.7 |

Sample Name: CCV10      Acquired: 12/4/2018 23:12:56      Type: Unk  
Method: P4-ICP2(v2628)      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    | F 4.4507 | 4.7096 | F 4.4507 | 4.5160   | F 4.4446 | 9.1629 | 9.8660 | .24231   |
| Stddev | .0134    | .0011  | .0043    | .0001    | .0014    | .0175  | .0621  | .00074   |
| %RSD   | .29989   | .02365 | .09771   | .00201   | .03143   | .19078 | .62990 | .30652   |
| #1     | 4.4602   | 4.7104 | 4.4477   | 4.5160   | 4.4436   | 9.1753 | 9.9099 | .24284   |
| #2     | 4.4413   | 4.7088 | 4.4538   | 4.5159   | 4.4455   | 9.1506 | 9.8220 | .24179   |
| Elem   | Cd2265   | Ca3736 | Cr2677   | Co2286   | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.3022   | 24.655 | .99363   | F 2.2323 | 1.1881   | 4.7290 | 2.4806 | 24.005   |
| Stddev | .0017    | .062   | .00548   | .0024    | .0011    | .0905  | .0065  | .043     |
| %RSD   | .07204   | .24998 | .55129   | .10701   | .08930   | 1.9129 | .26238 | .17749   |
| #1     | 2.3011   | 24.611 | .99750   | 2.2306   | 1.1888   | 4.6650 | 2.4852 | 24.035   |
| #2     | 2.3034   | 24.698 | .98976   | 2.2340   | 1.1873   | 4.7929 | 2.4760 | 23.975   |
| Elem   | Ni2316   | Ag3280 | Na5895   | V_2924   | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.3398   | 1.1788 | 24.361   | 2.3468   | 2.4108   | 24.904 | 4.6030 | 5.1589   |
| Stddev | .0065    | .0062  | .011     | .0116    | .0309    | .181   | .0045  | .0228    |
| %RSD   | .27748   | .52567 | .04463   | .49579   | 1.2821   | .72544 | .09784 | .44195   |
| #1     | 2.3352   | 1.1832 | 24.354   | 2.3551   | 2.3890   | 25.032 | 4.6062 | 5.1750   |
| #2     | 2.3444   | 1.1744 | 24.369   | 2.3386   | 2.4327   | 24.776 | 4.5999 | 5.1428   |
| Elem   | S_1820   | Si2881 | Sn1899   | Ti3361   | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | F 4.3261 | 4.9809 | 4.5486   | 4.7419   | 4.9697   | 4.570  | 4.8125 | F 1.8324 |
| Stddev | .0054    | .0174  | .0056    | .0006    | .0265    | .004   | .0028  | .0921    |
| %RSD   | .12443   | .34915 | .12311   | .01173   | .53226   | .0861  | .05760 | 5.0286   |
| #1     | 4.3223   | 4.9932 | 4.5526   | 4.7423   | 4.9884   | 4.567  | 4.8145 | 1.8975   |
| #2     | 4.3299   | 4.9686 | 4.5447   | 4.7415   | 4.9510   | 4.573  | 4.8105 | 1.7672   |

Sample Name: CCV10      Acquired: 12/4/2018 23:12:56      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.6986  
Stddev      .1115  
%RSD      3.0153

#1      3.6198  
#2      3.7775

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3953.8 | 63046. | 3777.5 | 87.747 | 3842.7 |
| Stddev    | 10.7   | 165.   | 8.9    | .949   | 5.4    |
| %RSD      | .27066 | .26230 | .23481 | 1.0810 | .13933 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3946.3 | 62929. | 3771.2 | 88.418 | 3838.9 |
| #2 | 3961.4 | 63163. | 3783.7 | 87.077 | 3846.4 |

Sample Name: CCB10      Acquired: 12/4/2018 23:16:41      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00056 | .00061 | .00006 | .00123 | -.00037 | -.00794 | .00106 |
| Stddev | .00050  | .00045 | .00081 | .00101 | .00154  | .00906  | .00061 |
| %RSD   | 88.373  | 72.556 | 1268.5 | 82.228 | 410.74  | 114.07  | 57.782 |

|    |         |        |         |        |         |         |        |
|----|---------|--------|---------|--------|---------|---------|--------|
| #1 | -.00092 | .00030 | .00064  | .00194 | .00071  | -.01434 | .00149 |
| #2 | -.00021 | .00093 | -.00051 | .00051 | -.00146 | -.00154 | .00063 |

|        |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00008 | -.00003 | -.00812 | -.00028 | -.00007 | -.00018 | .00757 |
| Stddev | .00004  | .00000  | .02548  | .00001  | .00003  | .00008  | .00531 |
| %RSD   | 50.172  | 5.1341  | 313.73  | 4.9494  | 35.725  | 41.957  | 70.233 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00005 | -.00003 | -.02614 | -.00029 | -.00009 | -.00013 | .00381 |
| #2 | -.00010 | -.00003 | .00989  | -.00027 | -.00005 | -.00023 | .01132 |

|        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00005 | .02174 | .00006 | -.00055 | .01041 | .00009 | -.00125 |
| Stddev | .00004 | .04280 | .00028 | .00013  | .00231 | .00004 | .00001  |
| %RSD   | 70.428 | 196.88 | 475.21 | 24.632  | 22.180 | 48.164 | .67539  |

|    |        |         |         |         |        |        |         |
|----|--------|---------|---------|---------|--------|--------|---------|
| #1 | .00008 | .05201  | -.00014 | -.00064 | .00878 | .00012 | -.00125 |
| #2 | .00003 | -.00853 | .00026  | -.00045 | .01204 | .00006 | -.00124 |

|        |         |        |         |        |         |         |        |
|--------|---------|--------|---------|--------|---------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820 | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.04279 | .00018 | -.00549 | .00146 | -.00349 | -.00235 | .00265 |
| Stddev | .02926  | .00008 | .00505  | .00050 | .00116  | .00018  | .00069 |
| %RSD   | 68.378  | 47.472 | 91.968  | 34.022 | 33.126  | 7.6706  | 26.107 |

|    |         |        |         |        |         |         |        |
|----|---------|--------|---------|--------|---------|---------|--------|
| #1 | -.02210 | .00012 | -.00905 | .00111 | -.00430 | -.00248 | .00314 |
| #2 | -.06349 | .00024 | -.00192 | .00181 | -.00267 | -.00222 | .00216 |



Sample Name: CCB10      Acquired: 12/4/2018 23:16:41      Type: Unk  
 Method: P4-ICP2(v2628)      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    | -.00073 | .0028  | .00003 | F<.00000 | F .53203 |
| Stddev | .00200  | .0003  | .00001 | .55164   | .53381   |
| %RSD   | 274.87  | 10.37  | 19.379 | 356.74   | 100.33   |

|    |         |       |        |         |        |
|----|---------|-------|--------|---------|--------|
| #1 | -.00214 | .0030 | .00003 | -.54471 | .15457 |
| #2 | .00069  | .0026 | .00004 | .23543  | .90950 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4137.2 | 66609. | 3817.6 | 93.092 | 4442.1 |
| Stddev    | 5.4    | 338.   | 19.1   | .365   | 2.9    |
| %RSD      | .13014 | .50781 | .50103 | .39245 | .06450 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4133.4 | 66848. | 3831.1 | 92.833 | 4440.0 |
| #2 | 4141.0 | 66370. | 3804.0 | 93.350 | 4444.1 |

Sample Name: PB115328BL      Acquired: 12/4/2018 23:20:47      Type: Unk  
Method: P4-ICP2(v2628)      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    | .00117 | -.00027 | -.00139 | .00098 | -.00047 | -.00779 | .00053 | -.00010 |
| Stddev | .00054 | .00008  | .00035  | .00132 | .00226  | .00044  | .00065 | .00007  |
| %RSD   | 45.987 | 29.673  | 25.472  | 135.26 | 480.46  | 5.6665  | 121.75 | 66.811  |

|    |        |         |         |        |         |         |        |         |
|----|--------|---------|---------|--------|---------|---------|--------|---------|
| #1 | .00155 | -.00033 | -.00114 | .00004 | .00113  | -.00811 | .00099 | -.00005 |
| #2 | .00079 | -.00021 | -.00164 | .00191 | -.00207 | -.00748 | .00007 | -.00015 |

|        |         |         |         |        |         |         |        |        |
|--------|---------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00010 | -.01313 | -.00030 | .00002 | -.00031 | -.00127 | .00007 | .04800 |
| Stddev | .00006  | .01230  | .00021  | .00003 | .00043  | .00247  | .00005 | .00390 |
| %RSD   | 57.362  | 93.642  | 69.937  | 154.77 | 140.03  | 194.53  | 69.838 | 8.1260 |

|    |         |         |         |         |         |         |        |        |
|----|---------|---------|---------|---------|---------|---------|--------|--------|
| #1 | -.00014 | -.00444 | -.00045 | -.00000 | -.00062 | -.00302 | .00003 | .05076 |
| #2 | -.00006 | -.02183 | -.00015 | .00005  | -.00000 | .00048  | .00010 | .04524 |

|        |        |         |         |        |         |         |         |         |
|--------|--------|---------|---------|--------|---------|---------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00004 | -.00064 | -.00055 | .00028 | -.00131 | -.10114 | -.00031 | -.01518 |
| Stddev | .00035 | .00024  | .00553  | .00014 | .00007  | .01910  | .00001  | .00224  |
| %RSD   | 893.53 | 37.445  | 999.28  | 51.524 | 5.0291  | 18.881  | 3.6024  | 14.793  |

|    |         |         |         |        |         |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00028  | -.00047 | -.00446 | .00038 | -.00126 | -.11464 | -.00032 | -.01359 |
| #2 | -.00021 | -.00081 | .00335  | .00018 | -.00136 | -.08763 | -.00031 | -.01676 |

|        |         |         |         |         |         |        |         |         |
|--------|---------|---------|---------|---------|---------|--------|---------|---------|
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00148 | -.00387 | -.00212 | -.00011 | -.00066 | .0036  | -.00002 | <.00000 |
| Stddev | .00083  | .00063  | .00019  | .00069  | .00173  | .0007  | .00004  | .04616  |
| %RSD   | 56.101  | 16.325  | 9.1175  | 647.90  | 261.71  | 19.15  | 193.78  | 20.944  |

|    |         |         |         |         |         |       |         |         |
|----|---------|---------|---------|---------|---------|-------|---------|---------|
| #1 | -.00089 | -.00342 | -.00199 | .00038  | -.00189 | .0041 | -.00005 | -.18776 |
| #2 | -.00207 | -.00432 | -.00226 | -.00060 | .00056  | .0031 | .00001  | -.25304 |

Sample Name: PB115328BL      Acquired: 12/4/2018 23:20:47      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .65906  
Stddev      .34934  
%RSD      53.006

#1      .41204  
#2      .90608

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4130.0 | 66418. | 3840.5 | 93.858 | 4444.8 |
| Stddev    | 12.6   | 125.   | 11.4   | 2.864  | 1.5    |
| %RSD      | .30401 | .18841 | .29702 | 3.0512 | .03367 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4121.1 | 66330. | 3832.4 | 91.833 | 4443.7 |
| #2 | 4138.9 | 66507. | 3848.6 | 95.883 | 4445.9 |

Sample Name: PB115328BS      Acquired: 12/4/2018 23:24:53      Type: Unk  
Method: P4-ICP2(v2628)      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    | .72694 | 1.9802 | .91913 | 1.8239 | .74430 | 1.9449 | .22281 | .20014 |
| Stddev | .00033 | .0016  | .00269 | .0049  | .00170 | .0141  | .00117 | .00044 |
| %RSD   | .04567 | .07939 | .29276 | .26872 | .22890 | .72742 | .52380 | .22171 |
| #1     | .72717 | 1.9790 | .91723 | 1.8274 | .74309 | 1.9349 | .22363 | .20045 |
| #2     | .72670 | 1.9813 | .92103 | 1.8205 | .74550 | 1.9549 | .22198 | .19983 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18548 | 1.1756 | .44220 | .19169 | .32023 | 3.1486 | .22641 | 2.1156 |
| Stddev | .00042 | .0253  | .00116 | .00078 | .00137 | .0376  | .00026 | .1016  |
| %RSD   | .22729 | 2.1478 | .26277 | .40735 | .42861 | 1.1950 | .11487 | 4.8040 |
| #1     | .18519 | 1.1934 | .44302 | .19114 | .32120 | 3.1752 | .22622 | 2.0437 |
| #2     | .18578 | 1.1577 | .44138 | .19225 | .31926 | 3.1220 | .22659 | 2.1874 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .49680 | .07157 | 3.3295 | .31082 | .20736 | 10.866 | .40960 | .33065 |
| Stddev | .00112 | .00028 | .0177  | .00042 | .00479 | .073   | .00011 | .00152 |
| %RSD   | .22468 | .38553 | .53142 | .13467 | 2.3096 | .67457 | .02747 | .45877 |
| #1     | .49601 | .07177 | 3.3170 | .31053 | .21075 | 10.815 | .40968 | .33172 |
| #2     | .49759 | .07138 | 3.3420 | .31112 | .20397 | 10.918 | .40952 | .32957 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.4772 | 1.0314 | .65807 | .20884 | .22375 | 5.221  | .21294 | 1.6592 |
| Stddev | .0011  | .0053  | .00110 | .00039 | .00109 | .006   | .00041 | .0513  |
| %RSD   | .07718 | .51718 | .16657 | .18857 | .48585 | .1186  | .19103 | 3.0897 |
| #1     | 1.4780 | 1.0352 | .65729 | .20856 | .22298 | 5.217  | .21266 | 1.6229 |
| #2     | 1.4764 | 1.0277 | .65884 | .20912 | .22452 | 5.225  | .21323 | 1.6954 |

Sample Name: PB115328BS      Acquired: 12/4/2018 23:24:53      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .75598  
%RSD      89.581

#1      -.30935  
#2      -1.3785

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3956.9 | 63663. | 3686.2 | 89.488 | 4138.5 |
| Stddev    | .8     | 77.    | 28.0   | 2.092  | 3.8    |
| %RSD      | .01984 | .12096 | .75823 | 2.3376 | .09141 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3956.4 | 63608. | 3666.4 | 88.008 | 4141.2 |
| #2 | 3957.5 | 63717. | 3706.0 | 90.967 | 4135.8 |

Sample Name: PB115328TB      Acquired: 12/4/2018 23:28:44      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14268      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |        |         |        |         |
|--------|---------|---------|---------|--------|--------|---------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00049 | -.00152 | -.00049 | .00120 | .00102 | -.00019 | .00225 | -.00012 |
| Stddev | .00187  | .00029  | .00029  | .00221 | .00265 | .00360  | .00041 | .00001  |
| %RSD   | 384.63  | 19.224  | 59.141  | 183.81 | 258.30 | 1929.8  | 18.195 | 7.6304  |

|    |         |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00181 | -.00131 | -.00029 | .00277  | -.00085 | .00236  | .00196 | -.00012 |
| #2 | .00084  | -.00172 | -.00070 | -.00036 | .00289  | -.00273 | .00254 | -.00013 |

|        |         |        |        |         |         |        |        |        |
|--------|---------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00014 | .01641 | .00092 | -.00029 | -.00047 | .00544 | .00014 | .02067 |
| Stddev | .00002  | .02250 | .00020 | .00003  | .00010  | .00238 | .00004 | .02324 |
| %RSD   | 11.694  | 137.16 | 21.822 | 10.708  | 21.772  | 43.844 | 30.316 | 112.46 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | -.00015 | .03232 | .00078 | -.00027 | -.00040 | .00712 | .00011 | .00423 |
| #2 | -.00013 | .00049 | .00107 | -.00031 | -.00055 | .00375 | .00017 | .03710 |

|        |        |        |        |        |        |         |         |         |
|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00015 | .00153 | 306.14 | .00032 | .00467 | -.07579 | -.00022 | -.01195 |
| Stddev | .00002 | .00040 | .65    | .00027 | .00005 | .02829  | .00003  | .00376  |
| %RSD   | 16.023 | 25.846 | .21277 | 85.805 | 1.1372 | 37.328  | 13.947  | 31.432  |

|    |        |        |        |        |        |         |         |         |
|----|--------|--------|--------|--------|--------|---------|---------|---------|
| #1 | .00014 | .00125 | 305.68 | .00051 | .00464 | -.09579 | -.00020 | -.00929 |
| #2 | .00017 | .00181 | 306.60 | .00012 | .00471 | -.05578 | -.00024 | -.01460 |

|        |        |        |         |        |        |        |         |        |
|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00697 | .00759 | -.00146 | .00305 | .00059 | .0029  | -.00004 | 3.4910 |
| Stddev | .00149 | .00017 | .00024  | .00007 | .00159 | .0010  | .00006  | .1046  |
| %RSD   | 21.445 | 2.2426 | 16.269  | 2.4016 | 270.73 | 36.17  | 147.90  | 2.9975 |

|    |        |        |         |        |         |       |         |        |
|----|--------|--------|---------|--------|---------|-------|---------|--------|
| #1 | .00803 | .00747 | -.00162 | .00310 | -.00054 | .0036 | -.00009 | 3.5650 |
| #2 | .00591 | .00771 | -.00129 | .00300 | .00172  | .0022 | .00000  | 3.4170 |

Sample Name: PB115328TB      Acquired: 12/4/2018 23:28:44      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14268      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.5883  
Stddev      .4373  
%RSD      12.188

#1      3.8975  
#2      3.2790

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3715.3 | 58631. | 3664.9 | 86.754 | 3659.9 |
| Stddev    | 9.1    | 129.   | 1.5    | .336   | 2.5    |
| %RSD      | .24509 | .21954 | .04025 | .38716 | .06781 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3708.9 | 58540. | 3663.9 | 86.517 | 3658.1 |
| #2 | 3721.8 | 58722. | 3666.0 | 86.992 | 3661.6 |

Sample Name: PB115310BL      Acquired: 12/4/2018 23:32:55      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14268      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |        |        |        |         |
|--------|---------|---------|---------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00008 | -.00042 | -.00080 | .00141 | .00077 | .00340 | .00095 | -.00004 |
| Stddev | .00129  | .00140  | .00082  | .00126 | .00004 | .00889 | .00001 | .00000  |
| %RSD   | 1699.6  | 336.64  | 102.45  | 89.876 | 5.3764 | 261.26 | .54370 | 8.7133  |

|    |         |         |         |        |        |         |        |         |
|----|---------|---------|---------|--------|--------|---------|--------|---------|
| #1 | .00084  | .00057  | -.00138 | .00051 | .00074 | -.00288 | .00095 | -.00004 |
| #2 | -.00099 | -.00141 | -.00022 | .00230 | .00080 | .00969  | .00095 | -.00004 |

|        |        |         |         |         |         |        |        |        |
|--------|--------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00000 | -.01066 | -.00000 | -.00012 | -.00012 | .01102 | .00004 | .04593 |
| Stddev | .00003 | .00870  | .00061  | .00005  | .00001  | .00893 | .00003 | .03904 |
| %RSD   | 603.49 | 81.539  | 12432.  | 46.488  | 6.0627  | 80.990 | 70.453 | 84.995 |

|    |         |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00001 | -.01681 | -.00043 | -.00015 | -.00013 | .01733 | .00002 | .07354 |
| #2 | .00002  | -.00452 | .00042  | -.00008 | -.00012 | .00471 | .00006 | .01833 |

|        |         |         |        |        |        |         |         |         |
|--------|---------|---------|--------|--------|--------|---------|---------|---------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00014 | -.00071 | .12936 | .00036 | .00055 | -.10673 | -.00030 | -.01532 |
| Stddev | .00014  | .00035  | .00572 | .00002 | .00017 | .02993  | .00001  | .00470  |
| %RSD   | 99.841  | 49.316  | 4.4245 | 4.3908 | 30.519 | 28.040  | 4.5873  | 30.678  |

|    |         |         |        |        |        |         |         |         |
|----|---------|---------|--------|--------|--------|---------|---------|---------|
| #1 | -.00023 | -.00096 | .12531 | .00037 | .00067 | -.08557 | -.00029 | -.01200 |
| #2 | -.00004 | -.00046 | .13340 | .00035 | .00043 | -.12789 | -.00031 | -.01865 |

|        |         |         |         |        |        |        |        |        |
|--------|---------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00213 | -.00600 | -.00277 | .00402 | .00091 | .0040  | .00001 | .09640 |
| Stddev | .00019  | .00175  | .00029  | .00018 | .00035 | .0008  | .00003 | .08023 |
| %RSD   | 8.7248  | 29.192  | 10.354  | 4.3636 | 38.691 | 20.68  | 510.46 | 83.232 |

|    |         |         |         |        |        |       |         |        |
|----|---------|---------|---------|--------|--------|-------|---------|--------|
| #1 | -.00226 | -.00476 | -.00298 | .00389 | .00115 | .0046 | -.00002 | .03966 |
| #2 | -.00200 | -.00724 | -.00257 | .00414 | .00066 | .0034 | .00003  | .15313 |



Sample Name: PB115310BL      Acquired: 12/4/2018 23:32:55      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14268      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .32965 |
| Stddev | .57076 |
| %RSD   | 173.14 |

|    |         |
|----|---------|
| #1 | -.07393 |
| #2 | .73324  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4138.2 | 66209. | 3841.8 | 94.233 | 4439.1 |
| Stddev    | 11.8   | 20.    | 6.8    | .660   | 10.9   |
| %RSD      | .28591 | .03009 | .17619 | .70035 | .24548 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4146.6 | 66195. | 3846.6 | 93.767 | 4446.8 |
| #2 | 4129.8 | 66223. | 3837.0 | 94.700 | 4431.4 |

Sample Name: PB115310BS      Acquired: 12/4/2018 23:37:00      Type: Unk  
Method: P4-ICP2(v2628)      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    | .64913 | 1.7685 | .82443 | 1.6135 | .69726 | 1.7508 | .20187 | .17655 |
| Stddev | .00170 | .0046  | .00131 | .0002  | .00155 | .0076  | .00135 | .00002 |
| %RSD   | .26158 | .25841 | .15894 | .01093 | .22228 | .43140 | .67068 | .01392 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .65033 | 1.7653 | .82536 | 1.6136 | .69616 | 1.7561 | .20091 | .17653 |
| #2 | .64793 | 1.7718 | .82350 | 1.6134 | .69835 | 1.7454 | .20283 | .17657 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .16591 | 1.0073 | .40271 | .17233 | .28739 | 2.8220 | .20244 | 1.9446 |
| Stddev | .00069 | .0080  | .00259 | .00030 | .00128 | .0605  | .00039 | .0343  |
| %RSD   | .41461 | .79519 | .64437 | .17233 | .44543 | 2.1451 | .19144 | 1.7627 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .16542 | 1.0130 | .40454 | .17212 | .28648 | 2.8648 | .20272 | 1.9688 |
| #2 | .16639 | 1.0017 | .40087 | .17254 | .28829 | 2.7792 | .20217 | 1.9203 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .44774 | .06339 | 3.0078 | .28179 | .18644 | 9.8187 | .38746 | .29073 |
| Stddev | .00003 | .00018 | .0026  | .00187 | .00358 | .0095  | .00013 | .00244 |
| %RSD   | .00643 | .28306 | .08709 | .66304 | 1.9179 | .09730 | .03457 | .83948 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .44772 | .06326 | 3.0060 | .28311 | .18897 | 9.8119 | .38736 | .28900 |
| #2 | .44776 | .06351 | 3.0097 | .28047 | .18391 | 9.8254 | .38755 | .29245 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00372 | .96415 | .61755 | .20309 | .19868 | 4.605  | .19261 | 1.4705 |
| Stddev | .00011  | .00633 | .00080 | .00064 | .00082 | .017   | .00066 | .4196  |
| %RSD   | 2.9120  | .65690 | .12984 | .31683 | .41126 | .3630  | .34411 | 28.538 |

|    |         |        |        |        |        |       |        |        |
|----|---------|--------|--------|--------|--------|-------|--------|--------|
| #1 | -.00364 | .96863 | .61699 | .20355 | .19811 | 4.594 | .19214 | 1.7672 |
| #2 | -.00380 | .95967 | .61812 | .20264 | .19926 | 4.617 | .19308 | 1.1737 |

Sample Name: PB115310BS      Acquired: 12/4/2018 23:37:00      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .33431  
%RSD      111.99

#1      -.53492  
#2      -.06214

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3960.1 | 63884. | 3688.5 | 88.875 | 4154.9 |
| Stddev    | 18.1   | 278.   | 14.0   | 2.086  | 12.7   |
| %RSD      | .45737 | .43476 | .37992 | 2.3471 | .30544 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3947.3 | 63687. | 3678.6 | 87.400 | 4146.0 |
| #2 | 3972.9 | 64080. | 3698.5 | 90.350 | 4163.9 |

Sample Name: J6168-04      Acquired: 12/4/2018 23:40:52      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |         |        |         |
|--------|--------|---------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00001 | -.00356 | .00870 | .00338 | .00123 | -.01187 | .26753 | -.00011 |
| Stddev | .00250 | .00066  | .00005 | .00119 | .00134 | .03077  | .00078 | .00007  |
| %RSD   | 24329. | 18.572  | .52569 | 35.187 | 109.08 | 259.26  | .28972 | 65.916  |

|    |         |         |        |        |        |         |        |         |
|----|---------|---------|--------|--------|--------|---------|--------|---------|
| #1 | -.00175 | -.00403 | .00874 | .00254 | .00218 | -.03362 | .26807 | -.00006 |
| #2 | .00177  | -.00310 | .00867 | .00423 | .00028 | .00989  | .26698 | -.00016 |

|        |        |        |        |         |        |         |        |        |
|--------|--------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00006 | 107.39 | .00039 | -.00026 | .00249 | -.01603 | .17993 | 4.1348 |
| Stddev | .00002 | .91    | .00022 | .00006  | .00028 | .00338  | .00059 | .0080  |
| %RSD   | 37.511 | .84490 | 56.427 | 21.753  | 11.218 | 21.096  | .32662 | .19286 |

|    |        |        |        |         |        |         |        |        |
|----|--------|--------|--------|---------|--------|---------|--------|--------|
| #1 | .00008 | 106.74 | .00024 | -.00030 | .00230 | -.01842 | .17951 | 4.1291 |
| #2 | .00004 | 108.03 | .00055 | -.00022 | .00269 | -.01364 | .18034 | 4.1404 |

|        |         |         |        |        |        |        |         |        |
|--------|---------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00262 | -.00067 | 306.47 | .00062 | .08388 | .53548 | -.00042 | .03143 |
| Stddev | .00014  | .00008  | 2.11   | .00043 | .00204 | .04917 | .00020  | .00318 |
| %RSD   | 5.1669  | 11.809  | .68940 | 69.885 | 2.4278 | 9.1825 | 46.914  | 10.126 |

|    |         |         |        |        |        |        |         |        |
|----|---------|---------|--------|--------|--------|--------|---------|--------|
| #1 | -.00252 | -.00072 | 304.98 | .00093 | .08244 | .50071 | -.00056 | .02918 |
| #2 | -.00271 | -.00061 | 307.96 | .00031 | .08532 | .57025 | -.00028 | .03368 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .61185 | .58096 | -.00150 | -.00077 | .00584 | .0751  | .29262 | 4.0770 |
| Stddev | .00148 | .00212 | .00011  | .00198  | .00240 | .0011  | .00027 | .2783  |
| %RSD   | .24255 | .36416 | 7.1986  | 256.22  | 41.007 | 1.460  | .09277 | 6.8256 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .61289 | .57946 | -.00157 | .00063  | .00415 | .0759 | .29243 | 3.8803 |
| #2 | .61080 | .58245 | -.00142 | -.00218 | .00754 | .0743 | .29282 | 4.2738 |

Sample Name: J6168-04      Acquired: 12/4/2018 23:40:52      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S1      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      5.2208  
 Stddev      .3578  
 %RSD      6.8539

#1      5.4739  
 #2      4.9678

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3694.5 | 57467. | 3599.5 | 87.183 | 3580.3 |
| Stddev    | 14.3   | 174.   | 2.0    | 2.563  | 12.6   |
| %RSD      | .38805 | .30216 | .05607 | 2.9395 | .35072 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3704.7 | 57590. | 3598.1 | 88.995 | 3589.2 |
| #2 | 3684.4 | 57344. | 3600.9 | 85.371 | 3571.4 |

Sample Name: J6168-09      Acquired: 12/4/2018 23:45:01      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S2      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |         |
|--------|---------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00125 | -.00284 | .00472 | .00247 | .00153 | .04088 | .28982 | -.00015 |
| Stddev | .00146  | .00030  | .00093 | .00092 | .00065 | .00730 | .00140 | .00007  |
| %RSD   | 116.23  | 10.575  | 19.650 | 37.308 | 42.479 | 17.856 | .48265 | 48.242  |

|    |         |         |        |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|--------|---------|
| #1 | -.00228 | -.00263 | .00407 | .00182 | .00107 | .03572 | .29081 | -.00020 |
| #2 | -.00022 | -.00305 | .00538 | .00312 | .00199 | .04605 | .28883 | -.00010 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00024 | 36.900 | .00042 | -.00038 | .00186 | .01758 | .07750 | 2.9074 |
| Stddev | .00003 | .034   | .00018 | .00023  | .00033 | .00551 | .00024 | .0520  |
| %RSD   | 13.366 | .09318 | 41.685 | 60.821  | 17.671 | 31.356 | .31613 | 1.7868 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00026 | 36.876 | .00030 | -.00054 | .00209 | .02147 | .07732 | 2.9442 |
| #2 | .00022 | 36.924 | .00055 | -.00022 | .00163 | .01368 | .07767 | 2.8707 |

|        |         |         |        |        |        |        |         |        |
|--------|---------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00188 | -.00076 | 294.94 | .00117 | .10662 | .57084 | -.00029 | .04628 |
| Stddev | .00040  | .00084  | 5.32   | .00052 | .00371 | .01223 | .00001  | .00177 |
| %RSD   | 21.243  | 110.72  | 1.8038 | 44.436 | 3.4755 | 2.1430 | 3.1798  | 3.8264 |

|    |         |         |        |        |        |        |         |        |
|----|---------|---------|--------|--------|--------|--------|---------|--------|
| #1 | -.00160 | -.00016 | 298.70 | .00153 | .10924 | .56219 | -.00029 | .04753 |
| #2 | -.00216 | -.00135 | 291.18 | .00080 | .10400 | .57949 | -.00030 | .04503 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .32914 | .83520 | -.00177 | .00282 | .00570 | .1007  | .15234 | 2.9501 |
| Stddev | .00088 | .01220 | .00022  | .00035 | .00041 | .0019  | .00029 | .2223  |
| %RSD   | .26853 | 1.4606 | 12.363  | 12.379 | 7.1786 | 1.839  | .19077 | 7.5352 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .32851 | .84382 | -.00162 | .00257 | .00598 | .1021 | .15255 | 2.7929 |
| #2 | .32976 | .82657 | -.00193 | .00306 | .00541 | .0994 | .15214 | 3.1073 |

Sample Name: J6168-09      Acquired: 12/4/2018 23:45:01      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S2      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.5517  
 Stddev      .5876  
 %RSD      16.544

#1      3.9672  
 #2      3.1362

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3725.5 | 58508. | 3624.3 | 86.629 | 3640.6 |
| Stddev    | 16.0   | 4.     | 71.7   | 2.870  | 6.1    |
| %RSD      | .43020 | .00701 | 1.9779 | 3.3126 | .16827 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3736.9 | 58511. | 3573.6 | 84.600 | 3636.3 |
| #2 | 3714.2 | 58505. | 3675.0 | 88.658 | 3644.9 |

Sample Name: J6168-15      Acquired: 12/4/2018 23:49:09      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S3      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |         |        |         |
|--------|---------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00042 | -.00347 | .01047 | .00312 | -.00029 | -.01365 | .41325 | -.00012 |
| Stddev | .00062  | .00036  | .00192 | .00040 | .00139  | .00490  | .00246 | .00002  |
| %RSD   | 146.29  | 10.477  | 18.351 | 12.753 | 473.38  | 35.917  | .59534 | 15.205  |

|    |         |         |        |        |         |         |        |         |
|----|---------|---------|--------|--------|---------|---------|--------|---------|
| #1 | -.00086 | -.00321 | .01183 | .00283 | .00069  | -.01712 | .41499 | -.00014 |
| #2 | .00001  | -.00373 | .00911 | .00340 | -.00128 | -.01018 | .41152 | -.00011 |

|        |        |        |        |         |        |         |        |        |
|--------|--------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00031 | 100.48 | .00014 | -.00024 | .00012 | -.02383 | .35439 | 3.0074 |
| Stddev | .00007 | .15    | .00026 | .00021  | .00005 | .00057  | .00001 | .0535  |
| %RSD   | 21.206 | .14801 | 181.75 | 89.114  | 39.016 | 2.3792  | .00284 | 1.7776 |

|    |        |        |         |         |        |         |        |        |
|----|--------|--------|---------|---------|--------|---------|--------|--------|
| #1 | .00026 | 100.37 | -.00004 | -.00039 | .00008 | -.02343 | .35439 | 2.9696 |
| #2 | .00035 | 100.58 | .00033  | -.00009 | .00015 | -.02423 | .35440 | 3.0452 |

|        |         |         |        |        |        |        |         |        |
|--------|---------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00216 | -.00030 | 289.80 | .00067 | .08189 | .50510 | -.00028 | .02966 |
| Stddev | .00004  | .00072  | .43    | .00005 | .00149 | .01180 | .00009  | .00641 |
| %RSD   | 1.9947  | 239.51  | .14990 | 7.0350 | 1.8229 | 2.3355 | 31.180  | 21.620 |

|    |         |         |        |        |        |        |         |        |
|----|---------|---------|--------|--------|--------|--------|---------|--------|
| #1 | -.00219 | .00021  | 290.11 | .00064 | .08295 | .49676 | -.00034 | .02513 |
| #2 | -.00213 | -.00081 | 289.49 | .00071 | .08084 | .51345 | -.00022 | .03420 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .33294 | .44970 | -.00163 | .00084 | .01144 | .0194  | .25639 | 3.5211 |
| Stddev | .00332 | .00240 | .00029  | .00158 | .00228 | .0009  | .00096 | .5741  |
| %RSD   | .99674 | .53357 | 18.025  | 187.74 | 19.892 | 4.684  | .37398 | 16.304 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .33059 | .44801 | -.00143 | .00196  | .00983 | .0200 | .25707 | 3.9271 |
| #2 | .33529 | .45140 | -.00184 | -.00028 | .01305 | .0187 | .25571 | 3.1152 |



Sample Name: J6168-15      Acquired: 12/4/2018 23:49:09      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S3      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.8397  
 Stddev      .1658  
 %RSD      4.3171

#1      3.7225  
 #2      3.9569

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3681.3 | 57957. | 3556.4 | 85.122 | 3581.4 |
| Stddev    | 16.3   | 82.    | 25.1   | 1.845  | 16.5   |
| %RSD      | .44231 | .14138 | .70573 | 2.1681 | .46189 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3669.8 | 58015. | 3538.6 | 83.817 | 3569.7 |
| #2 | 3692.8 | 57899. | 3574.1 | 86.427 | 3593.1 |

Sample Name: J6168-20      Acquired: 12/4/2018 23:53:17      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S4      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |         |        |         |
|--------|---------|---------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00184 | -.00203 | .00088 | .00156 | .00011 | -.00781 | .34194 | -.00020 |
| Stddev | .00273  | .00140  | .00032 | .00163 | .00067 | .02687  | .00778 | .00001  |
| %RSD   | 148.71  | 68.566  | 36.013 | 104.64 | 617.64 | 344.13  | 2.2747 | 6.6020  |

|    |         |         |        |        |         |         |        |         |
|----|---------|---------|--------|--------|---------|---------|--------|---------|
| #1 | -.00377 | -.00302 | .00065 | .00040 | -.00037 | -.02680 | .33644 | -.00021 |
| #2 | .00009  | -.00105 | .00110 | .00271 | .00059  | .01119  | .34744 | -.00019 |

|        |         |        |        |        |         |         |        |        |
|--------|---------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00005 | 61.223 | .00026 | .00030 | -.00036 | -.00906 | .32082 | 4.0791 |
| Stddev | .00005  | 1.450  | .00003 | .00022 | .00045  | .01060  | .00119 | .1567  |
| %RSD   | 95.073  | 2.3685 | 9.9197 | 71.435 | 126.02  | 117.02  | .37239 | 3.8408 |

|    |         |        |        |        |         |         |        |        |
|----|---------|--------|--------|--------|---------|---------|--------|--------|
| #1 | -.00008 | 60.198 | .00028 | .00045 | -.00004 | -.00156 | .31998 | 3.9683 |
| #2 | -.00002 | 62.249 | .00025 | .00015 | -.00068 | -.01655 | .32167 | 4.1899 |

|        |         |         |        |        |        |        |         |        |
|--------|---------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00208 | -.00080 | 277.90 | .00038 | .07862 | .49176 | -.00027 | .03051 |
| Stddev | .00062  | .00037  | 5.21   | .00014 | .00113 | .02751 | .00025  | .00073 |
| %RSD   | 29.648  | 46.068  | 1.8744 | 36.166 | 1.4420 | 5.5933 | 91.447  | 2.4053 |

|    |         |         |        |        |        |        |         |        |
|----|---------|---------|--------|--------|--------|--------|---------|--------|
| #1 | -.00164 | -.00054 | 274.22 | .00028 | .07781 | .47231 | -.00045 | .02999 |
| #2 | -.00251 | -.00107 | 281.58 | .00048 | .07942 | .51121 | -.00010 | .03103 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .26781 | .49195 | -.00140 | .00151 | .01011 | .0085  | .14966 | 3.8839 |
| Stddev | .00168 | .00253 | .00000  | .00036 | .00377 | .0007  | .00237 | .1634  |
| %RSD   | .62549 | .51477 | .01330  | 23.726 | 37.273 | 8.551  | 1.5845 | 4.2058 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .26662 | .49016 | -.00140 | .00177 | .00744 | .0080 | .14798 | 3.7684 |
| #2 | .26899 | .49375 | -.00140 | .00126 | .01277 | .0090 | .15134 | 3.9994 |

Sample Name: J6168-20      Acquired: 12/4/2018 23:53:17      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S4      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.6292  
Stddev      .4941  
%RSD      13.614

#1      3.9785  
#2      3.2798

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3684.4 | 57868. | 3621.3 | 86.428 | 3637.7 |
| Stddev    | 1.5    | 23.    | 55.0   | 1.608  | 2.2    |
| %RSD      | .03982 | .03923 | 1.5198 | 1.8608 | .05931 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3685.4 | 57884. | 3660.2 | 87.566 | 3639.2 |
| #2 | 3683.4 | 57852. | 3582.4 | 85.291 | 3636.2 |

Sample Name: J6168-24      Acquired: 12/4/2018 23:57:25      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S5      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |         |        |         |
|--------|---------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00122 | -.00336 | .00229 | .00097 | -.00054 | -.00802 | .23105 | -.00010 |
| Stddev | .00475  | .00045  | .00145 | .00042 | .00038  | .00464  | .00018 | .00002  |
| %RSD   | 388.65  | 13.337  | 63.260 | 42.711 | 70.747  | 57.894  | .07647 | 23.065  |

|    |         |         |        |        |         |         |        |         |
|----|---------|---------|--------|--------|---------|---------|--------|---------|
| #1 | .00214  | -.00304 | .00127 | .00127 | -.00027 | -.00474 | .23117 | -.00009 |
| #2 | -.00459 | -.00367 | .00331 | .00068 | -.00081 | -.01130 | .23092 | -.00012 |

|        |         |        |        |         |        |         |        |        |
|--------|---------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00008 | 68.646 | .00018 | -.00027 | .00078 | -.00071 | .16627 | 3.1493 |
| Stddev | .00005  | .306   | .00025 | .00004  | .00026 | .00728  | .00048 | .0612  |
| %RSD   | 63.934  | .44513 | 141.02 | 16.419  | 33.351 | 1031.6  | .28756 | 1.9438 |

|    |         |        |        |         |        |         |        |        |
|----|---------|--------|--------|---------|--------|---------|--------|--------|
| #1 | -.00012 | 68.430 | .00035 | -.00030 | .00096 | -.00585 | .16661 | 3.1060 |
| #2 | -.00004 | 68.862 | .00000 | -.00024 | .00059 | .00444  | .16593 | 3.1926 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00250 | -.00129 | 250.12 | .00020 | .05621 | .47216 | .00004 | .01047 |
| Stddev | .00007  | .00012  | 1.64   | .00000 | .00038 | .00023 | .00011 | .00864 |
| %RSD   | 2.7013  | 9.2077  | .65383 | 1.8818 | .67445 | .04967 | 276.91 | 82.517 |

|    |         |         |        |        |        |        |         |        |
|----|---------|---------|--------|--------|--------|--------|---------|--------|
| #1 | -.00246 | -.00137 | 251.28 | .00019 | .05648 | .47232 | .00012  | .00436 |
| #2 | -.00255 | -.00120 | 248.97 | .00020 | .05595 | .47199 | -.00004 | .01658 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .24306 | .45969 | -.00168 | -.00070 | .00727 | .0325  | .17760 | 3.1587 |
| Stddev | .00062 | .00369 | .00001  | .00052  | .00129 | .0007  | .00018 | .0231  |
| %RSD   | .25484 | .80302 | .66716  | 74.780  | 17.752 | 2.174  | .10341 | .73066 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .24262 | .46230 | -.00169 | -.00033 | .00636 | .0320 | .17747 | 3.1750 |
| #2 | .24349 | .45708 | -.00167 | -.00107 | .00818 | .0330 | .17773 | 3.1424 |

Sample Name: J6168-24      Acquired: 12/4/2018 23:57:25      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S5      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      4.1606  
 Stddev      .7942  
 %RSD      19.088

#1      4.7221  
 #2      3.5990

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3709.0 | 58379. | 3598.1 | 85.111 | 3648.5 |
| Stddev    | 13.6   | 9.     | 3.1    | .900   | 16.7   |
| %RSD      | .36604 | .01613 | .08728 | 1.0573 | .45670 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3699.4 | 58372. | 3600.3 | 84.475 | 3660.2 |
| #2 | 3718.6 | 58385. | 3595.9 | 85.748 | 3636.7 |

Sample Name: CCV11      Acquired: 12/5/2018 0:01:31      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14270      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |          |          |          |        |        |          |
|--------|----------|--------|----------|----------|----------|--------|--------|----------|
| Elem   | As1890   | Tl1908 | Pb2203   | Se1960   | Sb2068   | Al3961 | Ba4934 | Be2348   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | F 4.4295 | 4.7134 | F 4.4227 | 4.5058   | F 4.4165 | 9.1671 | 9.8554 | .24293   |
| Stddev | .0046    | .0117  | .0076    | .0018    | .0009    | .0522  | .0731  | .00034   |
| %RSD   | .10435   | .24833 | .17185   | .03925   | .02133   | .56944 | .74121 | .14156   |
| #1     | 4.4263   | 4.7051 | 4.4174   | 4.5045   | 4.4159   | 9.1302 | 9.9071 | .24269   |
| #2     | 4.4328   | 4.7216 | 4.4281   | 4.5071   | 4.4172   | 9.2040 | 9.8038 | .24318   |
| Elem   | Cd2265   | Ca3736 | Cr2677   | Co2286   | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.2945   | 24.805 | 1.0009   | F 2.2167 | 1.1882   | 4.6260 | 2.4951 | 23.988   |
| Stddev | .0043    | .230   | .0001    | .0052    | .0025    | .1053  | .0056  | .189     |
| %RSD   | .18592   | .92824 | .00841   | .23382   | .20890   | 2.2766 | .22484 | .78977   |
| #1     | 2.2915   | 24.642 | 1.0008   | 2.2130   | 1.1900   | 4.5515 | 2.4911 | 23.854   |
| #2     | 2.2976   | 24.968 | 1.0009   | 2.2204   | 1.1865   | 4.7005 | 2.4991 | 24.122   |
| Elem   | Ni2316   | Ag3280 | Na5895   | V_2924   | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.3429   | 1.1867 | 24.409   | 2.3550   | 2.3514   | 24.943 | 4.5868 | 5.2112   |
| Stddev | .0072    | .0059  | .012     | .0085    | .0149    | .003   | .0034  | .0118    |
| %RSD   | .30522   | .49601 | .04730   | .35919   | .63158   | .01217 | .07398 | .22591   |
| #1     | 2.3378   | 1.1825 | 24.401   | 2.3490   | 2.3409   | 24.941 | 4.5892 | 5.2028   |
| #2     | 2.3479   | 1.1909 | 24.417   | 2.3610   | 2.3619   | 24.945 | 4.5844 | 5.2195   |
| Elem   | S_1820   | Si2881 | Sn1899   | Ti3361   | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | F 4.2796 | 5.0152 | 4.5329   | 4.7391   | 4.9785   | 4.568  | 4.7868 | F 2.1794 |
| Stddev | .0049    | .0060  | .0107    | .0301    | .0196    | .008   | .0023  | .1284    |
| %RSD   | .11385   | .12058 | .23553   | .63543   | .39308   | .1671  | .04846 | 5.8935   |
| #1     | 4.2830   | 5.0194 | 4.5254   | 4.7178   | 4.9924   | 4.562  | 4.7884 | 2.0886   |
| #2     | 4.2761   | 5.0109 | 4.5405   | 4.7604   | 4.9647   | 4.573  | 4.7852 | 2.2703   |

Sample Name: CCV11      Acquired: 12/5/2018 0:01:31      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14270      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 4.3041 |
| Stddev | .2272    |
| %RSD   | 5.2796   |

|    |        |
|----|--------|
| #1 | 4.1434 |
| #2 | 4.4648 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3985.9 | 63057. | 3772.8 | 89.808 | 3873.2 |
| Stddev    | 2.6    | 82.    | 15.2   | .535   | 5.8    |
| %RSD      | .06507 | .12943 | .40157 | .59564 | .15060 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3984.1 | 62999. | 3762.1 | 90.186 | 3877.3 |
| #2 | 3987.8 | 63114. | 3783.5 | 89.430 | 3869.1 |

Sample Name: CCB11      Acquired: 12/5/2018 0:05:17      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14270      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |        |         |        |
|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00049 | .00063 | -.00084 | .00156 | .00014 | -.00622 | .00096 |
| Stddev | .00043  | .00024 | .00056  | .00240 | .00073 | .00929  | .00140 |
| %RSD   | 88.181  | 37.425 | 66.324  | 153.63 | 520.99 | 149.50  | 145.04 |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00080 | .00080 | -.00045 | .00326  | .00066  | -.01279 | -.00002 |
| #2 | -.00018 | .00047 | -.00123 | -.00013 | -.00038 | .00035  | .00195  |

|        |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00001 | -.00012 | -.01573 | -.00031 | -.00007 | -.00054 | .00608 |
| Stddev | .00000  | .00005  | .01266  | .00006  | .00030  | .00043  | .01413 |
| %RSD   | 17.389  | 38.670  | 80.474  | 17.695  | 415.45  | 80.276  | 232.33 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00002 | -.00009 | -.00678 | -.00035 | .00014  | -.00084 | -.00391 |
| #2 | -.00001 | -.00015 | -.02469 | -.00028 | -.00029 | -.00023 | .01607  |

|        |         |        |         |         |        |        |         |
|--------|---------|--------|---------|---------|--------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00002 | .05582 | -.00004 | -.00081 | .13320 | .00020 | -.00127 |
| Stddev | .00004  | .03469 | .00006  | .00024  | .00405 | .00027 | .00018  |
| %RSD   | 196.70  | 62.152 | 151.20  | 29.735  | 3.0402 | 136.33 | 13.898  |

|    |         |        |         |         |        |        |         |
|----|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.00005 | .08035 | .00000  | -.00098 | .13606 | .00001 | -.00115 |
| #2 | .00001  | .03129 | -.00008 | -.00064 | .13033 | .00039 | -.00139 |

|        |         |        |         |         |         |         |         |
|--------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.10411 | .00016 | -.01104 | -.00443 | -.00341 | -.00152 | -.00013 |
| Stddev | .01159  | .00002 | .00779  | .00087  | .00010  | .00032  | .00283  |
| %RSD   | 11.130  | 12.394 | 70.540  | 19.659  | 2.9482  | 21.090  | 2119.6  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.09592 | .00017 | -.00553 | -.00505 | -.00348 | -.00129 | .00187  |
| #2 | -.11231 | .00014 | -.01655 | -.00382 | -.00334 | -.00175 | -.00213 |



Sample Name: CCB11      Acquired: 12/5/2018 0:05:17      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14270      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |          |          |
|--------|--------|--------|---------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg    | .00240 | .0033  | -.00003 | F<.00000 | F 1.0007 |
| Stddev | .00218 | .0004  | .00007  | .07242   | .3554    |
| %RSD   | 90.524 | 11.54  | 248.10  | 18.998   | 35.521   |

|    |        |       |         |         |        |
|----|--------|-------|---------|---------|--------|
| #1 | .00394 | .0035 | .00002  | -.43244 | 1.2520 |
| #2 | .00087 | .0030 | -.00008 | -.33001 | .74935 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4129.9 | 66166. | 3813.4 | 94.625 | 4435.6 |
| Stddev    | 10.8   | 185.   | 19.8   | .519   | 20.8   |
| %RSD      | .26078 | .27925 | .51844 | .54800 | .46975 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4137.5 | 66035. | 3827.4 | 94.992 | 4450.3 |
| #2 | 4122.3 | 66297. | 3799.4 | 94.258 | 4420.8 |

Sample Name: J6168-29      Acquired: 12/5/2018 0:09:23      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S6      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |         |        |         |
|--------|---------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00036 | -.00304 | .00304 | .00242 | -.00050 | -.02476 | .33973 | -.00019 |
| Stddev | .00040  | .00092  | .00109 | .00064 | .00148  | .00737  | .00257 | .00001  |
| %RSD   | 112.43  | 30.380  | 35.754 | 26.632 | 297.58  | 29.752  | .75653 | 2.8494  |

|    |         |         |        |        |         |         |        |         |
|----|---------|---------|--------|--------|---------|---------|--------|---------|
| #1 | -.00064 | -.00369 | .00228 | .00196 | -.00155 | -.01955 | .34154 | -.00019 |
| #2 | -.00007 | -.00238 | .00381 | .00287 | .00055  | -.02997 | .33791 | -.00020 |

|        |         |        |        |         |         |         |        |        |
|--------|---------|--------|--------|---------|---------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00005 | 133.48 | .00009 | -.00044 | -.00039 | -.04117 | .03360 | 1.9530 |
| Stddev | .00004  | .75    | .00000 | .00016  | .00037  | .00235  | .00007 | .0342  |
| %RSD   | 81.605  | .56219 | 1.8820 | 36.392  | 94.295  | 5.7046  | .21137 | 1.7512 |

|    |         |        |        |         |         |         |        |        |
|----|---------|--------|--------|---------|---------|---------|--------|--------|
| #1 | -.00002 | 132.95 | .00010 | -.00032 | -.00013 | -.04283 | .03355 | 1.9288 |
| #2 | -.00007 | 134.01 | .00009 | -.00055 | -.00065 | -.03951 | .03365 | 1.9772 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00240 | -.00099 | 274.48 | .00011 | .05472 | .51477 | .00011 | .01420 |
| Stddev | .00054  | .00028  | 1.81   | .00033 | .00001 | .04867 | .00002 | .00049 |
| %RSD   | 22.432  | 28.656  | .65895 | 303.46 | .02672 | 9.4542 | 20.034 | 3.4493 |

|    |         |         |        |         |        |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|--------|
| #1 | -.00202 | -.00119 | 273.20 | .00034  | .05473 | .48036 | .00009 | .01385 |
| #2 | -.00278 | -.00079 | 275.76 | -.00012 | .05471 | .54918 | .00012 | .01455 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19978 | .38405 | -.00204 | -.00108 | .00512 | .0044  | .28737 | 4.3939 |
| Stddev | .00173 | .00250 | .00087  | .00063  | .00164 | .0001  | .00135 | .2375  |
| %RSD   | .86736 | .65004 | 42.552  | 57.980  | 32.029 | 2.210  | .46857 | 5.4043 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .19855 | .38582 | -.00265 | -.00064 | .00396 | .0044 | .28832 | 4.5618 |
| #2 | .20100 | .38229 | -.00143 | -.00152 | .00628 | .0045 | .28641 | 4.2260 |

Sample Name: J6168-29      Acquired: 12/5/2018 0:09:23      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S6      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      4.4816  
Stddev      .3724  
%RSD      8.3100

#1      4.2182  
#2      4.7449

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3654.5 | 57432. | 3566.3 | 85.539 | 3567.0 |
| Stddev    | 25.7   | 310.   | 6.5    | .009   | 1.6    |
| %RSD      | .70406 | .53944 | .18212 | .01012 | .04561 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3672.7 | 57213. | 3561.7 | 85.545 | 3568.1 |
| #2 | 3636.3 | 57651. | 3570.9 | 85.533 | 3565.8 |

Sample Name: J6182-18      Acquired: 12/5/2018 0:13:32      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OXS01-02      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |         |        |         |
|--------|---------|---------|--------|---------|---------|---------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.11448 | -.01266 | .02674 | -.00034 | -.30717 | -.08221 | .00639 | -.00114 |
| Stddev | .00230  | .00089  | .00035 | .00083  | .00657  | .02463  | .00135 | .00009  |
| %RSD   | 2.0123  | 7.0610  | 1.3147 | 244.44  | 2.1386  | 29.963  | 21.119 | 8.2489  |

|    |         |         |        |         |         |         |        |         |
|----|---------|---------|--------|---------|---------|---------|--------|---------|
| #1 | -.11611 | -.01203 | .02650 | -.00092 | -.31182 | -.09962 | .00734 | -.00107 |
| #2 | -.11285 | -.01329 | .02699 | .00025  | -.30253 | -.06479 | .00543 | -.00120 |

|        |        |        |          |         |        |        |         |        |
|--------|--------|--------|----------|---------|--------|--------|---------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm    | ppm    | ppm      | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00123 | 311.63 | F 99.705 | -.00408 | .02861 | .09099 | -.00729 | .02040 |
| Stddev | .00007 | 4.62   | .104     | .00023  | .00002 | .00131 | .00000  | .01266 |
| %RSD   | 5.6858 | 1.4810 | .10384   | 5.7033  | .06873 | 1.4441 | .00523  | 62.050 |

|    |        |        |        |         |        |        |         |        |
|----|--------|--------|--------|---------|--------|--------|---------|--------|
| #1 | .00118 | 308.37 | 99.632 | -.00425 | .02860 | .09192 | -.00729 | .01145 |
| #2 | .00128 | 314.89 | 99.779 | -.00392 | .02863 | .09006 | -.00729 | .02934 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00221 | .04571 | 1027.3 | .01008 | .00395 | 93.798 | .02677 | 2.5539 |
| Stddev | .00043  | .00005 | 12.6   | .00162 | .00004 | 1.218  | .00003 | .0018  |
| %RSD   | 19.404  | .10386 | 1.2275 | 16.123 | .99929 | 1.2988 | .10247 | .07015 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00251 | .04574 | 1018.4 | .01122 | .00392 | 92.936 | .02679 | 2.5551 |
| #2 | -.00191 | .04567 | 1036.2 | .00893 | .00397 | 94.659 | .02675 | 2.5526 |

|        |          |        |         |         |        |        |        |        |
|--------|----------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 196.95 | 1.1297 | -.08049 | -.00580 | .04839 | -.0039 | 1.5613 | 6.8234 |
| Stddev | .03      | .0114  | .00116  | .00194  | .00370 | .0006  | .0208  | .2384  |
| %RSD   | .01489   | 1.0101 | 1.4444  | 33.468  | 7.6413 | 15.51  | 1.3296 | 3.4945 |

|    |        |        |         |         |        |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|--------|
| #1 | 196.93 | 1.1216 | -.08131 | -.00443 | .04578 | -.0044 | 1.5466 | 6.9920 |
| #2 | 196.97 | 1.1378 | -.07967 | -.00717 | .05101 | -.0035 | 1.5760 | 6.6548 |

Sample Name: J6182-18      Acquired: 12/5/2018 0:13:32      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OXS01-02      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      8.1633  
Stddev      .0169  
%RSD      .20684

#1      8.1753  
#2      8.1514

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3015.3 | 51712. | 3443.9 | 82.527 | 3116.4 |
| Stddev    | 10.7   | 317.   | 42.6   | .692   | 3.0    |
| %RSD      | .35366 | .61255 | 1.2381 | .83892 | .09737 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3007.7 | 51488. | 3474.0 | 83.017 | 3114.2 |
| #2 | 3022.8 | 51936. | 3413.7 | 82.038 | 3118.5 |

Sample Name: J6184-02      Acquired: 12/5/2018 0:17:46      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RO-331      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00086 | -.00342 | .00596 | .00048 | .00093 | .14633 | .04680 | .00001 |
| Stddev | .00322  | .00099  | .00110 | .00050 | .00067 | .00340 | .00022 | .00008 |
| %RSD   | 372.42  | 28.846  | 18.526 | 103.80 | 71.419 | 2.3208 | .47913 | 784.58 |

|    |         |         |        |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .00141  | -.00272 | .00674 | .00013 | .00046 | .14873 | .04664 | -.00004 |
| #2 | -.00314 | -.00412 | .00518 | .00084 | .00140 | .14393 | .04696 | .00006  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00020 | 5.4866 | .00420 | .00671 | .01441 | .06373 | .09528 | .61995 |
| Stddev | .00003 | .0398  | .00110 | .00007 | .00027 | .00139 | .00013 | .03143 |
| %RSD   | 17.510 | .72585 | 26.070 | 1.1116 | 1.8434 | 2.1834 | .13190 | 5.0699 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00022 | 5.4584 | .00498 | .00676 | .01422 | .06275 | .09519 | .64217 |
| #2 | .00017 | 5.5147 | .00343 | .00666 | .01460 | .06472 | .09537 | .59772 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .01122 | -.00020 | 291.65 | -.00011 | .05686 | .88276 | -.00016 | .00028 |
| Stddev | .00011 | .00009  | 2.89   | .00018  | .00003 | .02418 | .00023  | .00878 |
| %RSD   | .99180 | 42.076  | .99218 | 158.74  | .04735 | 2.7393 | 144.05  | 3094.1 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .01114 | -.00014 | 289.60 | -.00024 | .05684 | .89986 | -.00032 | -.00593 |
| #2 | .01130 | -.00026 | 293.69 | .00001  | .05688 | .86566 | .00000  | .00650  |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.0578 | .29975 | -.00331 | .00280 | .00843 | .0080  | .03128 | 3.0322 |
| Stddev | .0035  | .00379 | .00003  | .00115 | .00001 | .0005  | .00015 | .1868  |
| %RSD   | .11360 | 1.2637 | .99428  | 41.148 | .10765 | 6.552  | .46692 | 6.1614 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 3.0553 | .30243 | -.00329 | .00198 | .00842 | .0084 | .03117 | 3.1643 |
| #2 | 3.0602 | .29707 | -.00334 | .00361 | .00844 | .0077 | .03138 | 2.9001 |

Sample Name: J6184-02      Acquired: 12/5/2018 0:17:46      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RO-331      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.9175  
 Stddev      .4075  
 %RSD      10.403

#1      3.6294  
 #2      4.2057

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3758.3 | 59042. | 3672.7 | 90.325 | 3717.1 |
| Stddev    | 1.2    | 202.   | 8.5    | .259   | 9.2    |
| %RSD      | .03171 | .34226 | .23252 | .28704 | .24639 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3759.2 | 58899. | 3666.7 | 90.142 | 3723.6 |
| #2 | 3757.5 | 59185. | 3678.7 | 90.508 | 3710.6 |

Sample Name: J6184-02DUP      Acquired: 12/5/2018 0:21:56      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RO-331DUP      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00176 | -.00281 | .00516 | .00265 | .00178 | .14035 | .04910 | .00014 |
| Stddev | .00065  | .00065  | .00018 | .00297 | .00087 | .00297 | .00001 | .00003 |
| %RSD   | 36.768  | 22.972  | 3.5585 | 112.19 | 49.042 | 2.1184 | .01289 | 24.526 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00222 | -.00327 | .00529 | .00055 | .00116 | .14245 | .04910 | .00016 |
| #2 | -.00130 | -.00236 | .00503 | .00475 | .00240 | .13825 | .04911 | .00011 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00011 | 5.5487 | .00226 | .00676 | .01474 | .06311 | .09586 | .58948 |
| Stddev | .00005 | .0969  | .00014 | .00013 | .00026 | .00947 | .00017 | .05481 |
| %RSD   | 49.486 | 1.7467 | 6.1962 | 1.9896 | 1.7568 | 15.003 | .17484 | 9.2977 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00007 | 5.4802 | .00236 | .00666 | .01456 | .05642 | .09574 | .55073 |
| #2 | .00015 | 5.6172 | .00216 | .00685 | .01493 | .06981 | .09598 | .62824 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .01103 | -.00119 | 294.64 | .00007 | .06026 | .82164 | -.00003 | -.00813 |
| Stddev | .00030 | .00015  | .40    | .00006 | .00396 | .02967 | .00005  | .00128  |
| %RSD   | 2.7621 | 13.027  | .13454 | 93.279 | 6.5719 | 3.6115 | 162.36  | 15.711  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .01125 | -.00108 | 294.36 | .00012 | .05746 | .80066 | -.00007 | -.00903 |
| #2 | .01082 | -.00130 | 294.92 | .00002 | .06306 | .84263 | .00000  | -.00722 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.0674 | .29943 | -.00346 | .00436 | .00441 | .0094  | .03167 | 3.3112 |
| Stddev | .0176  | .00311 | .00043  | .00158 | .00071 | .0003  | .00038 | .5000  |
| %RSD   | .57427 | 1.0373 | 12.513  | 36.271 | 16.200 | 2.983  | 1.2131 | 15.101 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 3.0549 | .29723 | -.00315 | .00324 | .00390 | .0096 | .03140 | 2.9576 |
| #2 | 3.0799 | .30163 | -.00376 | .00548 | .00491 | .0092 | .03195 | 3.6648 |



Sample Name: J6184-02DUP      Acquired: 12/5/2018 0:21:56      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RO-331DUP      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.7998  
 Stddev      .0304  
 %RSD      .80061

#1      3.8213  
 #2      3.7782

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3744.1 | 58710. | 3613.4 | 85.671 | 3709.4 |
| Stddev    | 11.9   | 326.   | 32.8   | 5.062  | 10.7   |
| %RSD      | .31691 | .55462 | .90844 | 5.9083 | .28739 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3735.7 | 58940. | 3636.6 | 89.250 | 3716.9 |
| #2 | 3752.4 | 58480. | 3590.2 | 82.092 | 3701.9 |

Sample Name: J6184-02LX5      Acquired: 12/5/2018 0:26:05      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-MH-F      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |        |        |        |         |
|--------|---------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00191 | .00021 | -.00014 | .00295 | .00173 | .01253 | .01001 | -.00005 |
| Stddev | .00318  | .00066 | .00036  | .00132 | .00021 | .00223 | .00051 | .00005  |
| %RSD   | 166.23  | 319.47 | 259.01  | 44.757 | 11.844 | 17.839 | 5.0453 | 93.233  |

|    |         |         |         |        |        |        |        |         |
|----|---------|---------|---------|--------|--------|--------|--------|---------|
| #1 | -.00416 | -.00026 | .00011  | .00202 | .00188 | .01411 | .00966 | -.00002 |
| #2 | .00034  | .00067  | -.00039 | .00388 | .00159 | .01095 | .01037 | -.00008 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 1.1022 | .00104 | .00143 | .00301 | .02054 | .01932 | .12351 |
| Stddev | .00002  | .0100  | .00017 | .00002 | .00045 | .00273 | .00005 | .02558 |
| %RSD   | 31.512  | .90293 | 16.283 | 1.3124 | 15.050 | 13.295 | .25371 | 20.715 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00005 | 1.0952 | .00092 | .00144 | .00269 | .02247 | .01935 | .14160 |
| #2 | -.00008 | 1.1092 | .00116 | .00142 | .00333 | .01861 | .01928 | .10542 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00165 | -.00038 | 61.096 | .00007 | .01172 | .09654 | -.00040 | -.00785 |
| Stddev | .00015 | .00049  | .470   | .00023 | .00000 | .01047 | .00007  | .01113  |
| %RSD   | 8.9961 | 128.24  | .76988 | 335.79 | .01773 | 10.848 | 18.419  | 141.81  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00154 | -.00073 | 61.429 | .00023  | .01172 | .10395 | -.00035 | .00002  |
| #2 | .00175 | -.00004 | 60.764 | -.00009 | .01172 | .08914 | -.00045 | -.01572 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .60058 | .06403 | -.00328 | .00081 | .00605 | .0042  | .00634 | 1.1266 |
| Stddev | .00061 | .00273 | .00046  | .00173 | .00055 | .0008  | .00011 | .0291  |
| %RSD   | .10108 | 4.2650 | 14.078  | 212.63 | 9.1125 | 17.97  | 1.6724 | 2.5812 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .60015 | .06596 | -.00295 | -.00041 | .00643 | .0037 | .00642 | 1.1060 |
| #2 | .60101 | .06210 | -.00361 | .00203  | .00566 | .0047 | .00627 | 1.1472 |

Sample Name: J6184-02LX5      Acquired: 12/5/2018 0:26:05      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-MH-F      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.8643 |
| Stddev | .1325  |
| %RSD   | 7.1091 |

|    |        |
|----|--------|
| #1 | 1.9580 |
| #2 | 1.7706 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3987.1 | 63144. | 3741.6 | 91.103 | 4082.5 |
| Stddev    | .2     | 196.   | 48.1   | 1.159  | 8.6    |
| %RSD      | .00480 | .30988 | 1.2848 | 1.2725 | .20958 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3987.2 | 63006. | 3707.6 | 90.283 | 4076.5 |
| #2 | 3987.0 | 63282. | 3775.6 | 91.923 | 4088.6 |

Sample Name: J6184-02MS      Acquired: 12/5/2018 0:30:10      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RO-331MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .73771 | 1.8444 | .89921 | 1.8788 | .72625 | 2.1151 | .26356 | .20394 | .19032 |
| Stddev | .00043 | .0032  | .00157 | .0058  | .00551 | .0138  | .00141 | .00003 | .00053 |
| %RSD   | .05888 | .17358 | .17510 | .30832 | .75852 | .65041 | .53341 | .01539 | .28016 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73802 | 1.8421 | .89809 | 1.8829 | .73014 | 2.1053 | .26455 | .20396 | .18994 |
| #2 | .73740 | 1.8467 | .90032 | 1.8747 | .72235 | 2.1248 | .26257 | .20392 | .19070 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.8851 | .43386 | .19579 | .31809 | 3.0390 | .31380 | 2.6633 | .50630 | .07004 |
| Stddev | .0373  | .00060 | .00099 | .00036 | .0999  | .00014 | .0295  | .00092 | .00028 |
| %RSD   | .54145 | .13766 | .50390 | .11375 | 3.2865 | .04383 | 1.1089 | .18241 | .39308 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.8588 | .43428 | .19509 | .31835 | 2.9684 | .31370 | 2.6842 | .50565 | .06985 |
| #2 | 6.9115 | .43343 | .19649 | .31783 | 3.1096 | .31389 | 2.6424 | .50696 | .07023 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 310.51 | .30805 | .25557 | 11.655 | .39121 | .33151 | 3.1382 | 1.2664 | .65245 |
| Stddev | 1.51   | .00142 | .00822 | .022   | .00019 | .00263 | .0079  | .0086  | .00109 |
| %RSD   | .48711 | .46031 | 3.2173 | .18691 | .04956 | .79234 | .25112 | .67905 | .16753 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 309.44 | .30905 | .24976 | 11.671 | .39107 | .33336 | 3.1438 | 1.2724 | .65168 |
| #2 | 311.58 | .30705 | .26139 | 11.640 | .39134 | .32965 | 3.1326 | 1.2603 | .65323 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20279 | .22288 | 5.664  | .23652 | 3.8245 | 2.1674 |
| Stddev | .00396 | .00299 | .007   | .00073 | .1081  | .0281  |
| %RSD   | 1.9544 | 1.3402 | .1167  | .30671 | 2.8276 | 1.2983 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .20559 | .22499 | 5.660 | .23704 | 3.9010 | 2.1873 |
| #2 | .19998 | .22076 | 5.669 | .23601 | 3.7480 | 2.1475 |

Sample Name: J6184-02MS      Acquired: 12/5/2018 0:30:10      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RO-331MS      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       | 3730.0 | 58322. | 3568.6 | 87.254 | 3683.1 |
| Stddev    | 2.7    | 45.    | 14.2   | 2.752  | 5.7    |
| %RSD      | .07369 | .07654 | .39765 | 3.1538 | .15497 |
| #1        | 3728.0 | 58290. | 3558.5 | 89.200 | 3687.1 |
| #2        | 3731.9 | 58353. | 3578.6 | 85.308 | 3679.1 |

Sample Name: J6184-02MSD      Acquired: 12/5/2018 0:34:07      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RO-331MSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .73217 | 1.8427 | .90135 | 1.8662 | .71931 | 2.1488 | .26273 | .20372 | .19035 |
| Stddev | .00304 | .0007  | .00190 | .0136  | .00954 | .0246  | .00151 | .00040 | .00021 |
| %RSD   | .41459 | .03984 | .21076 | .72744 | 1.3269 | 1.1428 | .57537 | .19670 | .11008 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73002 | 1.8422 | .90001 | 1.8566 | .71256 | 2.1662 | .26380 | .20400 | .19050 |
| #2 | .73432 | 1.8433 | .90270 | 1.8758 | .72606 | 2.1315 | .26166 | .20344 | .19020 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.8639 | .43775 | .19596 | .31616 | 3.0355 | .31445 | 2.5908 | .50572 | .06994 |
| Stddev | .0201  | .00070 | .00003 | .00429 | .0883  | .00014 | .0046  | .00098 | .00026 |
| %RSD   | .29293 | .15914 | .01384 | 1.3566 | 2.9101 | .04600 | .17839 | .19374 | .37101 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.8781 | .43824 | .19594 | .31313 | 2.9731 | .31435 | 2.5941 | .50641 | .07012 |
| #2 | 6.8497 | .43725 | .19598 | .31919 | 3.0980 | .31455 | 2.5876 | .50503 | .06975 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 308.42 | .31121 | .25571 | 11.704 | .38863 | .32078 | 3.1199 | 1.2623 | .65387 |
| Stddev | 2.07   | .00069 | .00501 | .039   | .00397 | .00087 | .0095  | .0014  | .00102 |
| %RSD   | .67053 | .22308 | 1.9610 | .33179 | 1.0220 | .27262 | .30514 | .11245 | .15614 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 306.96 | .31170 | .25217 | 11.732 | .38582 | .32140 | 3.1132 | 1.2633 | .65314 |
| #2 | 309.88 | .31072 | .25926 | 11.677 | .39144 | .32016 | 3.1267 | 1.2613 | .65459 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20527 | .22110 | 5.662  | .23619 | 4.1517 | 2.4781 |
| Stddev | .00291 | .00067 | .001   | .00018 | .3047  | .4971  |
| %RSD   | 1.4152 | .30287 | .0084  | .07786 | 7.3393 | 20.060 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .20733 | .22063 | 5.663 | .23606 | 4.3671 | 2.8296 |
| #2 | .20322 | .22157 | 5.662 | .23632 | 3.9362 | 2.1266 |

Sample Name: J6184-02MSD      Acquired: 12/5/2018 0:34:07      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RO-331MSD      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       | 3741.6 | 58112. | 3596.0 | 86.888 | 3668.9 |
| Stddev    | 34.3   | 66.    | 6.5    | 1.656  | .7     |
| %RSD      | .91628 | .11393 | .18153 | 1.9057 | .01807 |
| #1        | 3765.9 | 58066. | 3591.4 | 88.058 | 3669.4 |
| #2        | 3717.4 | 58159. | 3600.6 | 85.717 | 3668.4 |

Sample Name: J6184-02A      Acquired: 12/5/2018 0:38:04      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-MH-J      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .74113 | 1.8575 | .90747 | 1.8841 | .72776 | 2.1357 | .26528 | .20409 | .19187 |
| Stddev | .00221 | .0199  | .00900 | .0039  | .00437 | .0199  | .00310 | .00055 | .00252 |
| %RSD   | .29781 | 1.0692 | .99210 | .20617 | .60060 | .93097 | 1.1672 | .26883 | 1.3123 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74269 | 1.8435 | .90111 | 1.8813 | .72467 | 2.1216 | .26747 | .20371 | .19009 |
| #2 | .73957 | 1.8716 | .91384 | 1.8868 | .73085 | 2.1497 | .26309 | .20448 | .19365 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.8868 | .43392 | .19791 | .31776 | 3.0837 | .31356 | 2.6146 | .50964 | .06943 |
| Stddev | .0485  | .00094 | .00327 | .00235 | .0388  | .00129 | .0315  | .00676 | .00103 |
| %RSD   | .70396 | .21696 | 1.6498 | .73826 | 1.2582 | .41087 | 1.2044 | 1.3263 | 1.4896 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.9211 | .43325 | .19560 | .31610 | 3.1112 | .31265 | 2.6368 | .50487 | .06870 |
| #2 | 6.8526 | .43458 | .20022 | .31942 | 3.0563 | .31447 | 2.5923 | .51442 | .07016 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 308.31 | .30752 | .25776 | 11.690 | .39290 | .32003 | 3.1568 | 1.2535 | .65939 |
| Stddev | 2.15   | .00080 | .00740 | .054   | .00146 | .00578 | .0325  | .0216  | .00838 |
| %RSD   | .69789 | .25977 | 2.8719 | .46436 | .37163 | 1.8060 | 1.0303 | 1.7219 | 1.2702 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 309.83 | .30696 | .26300 | 11.728 | .39186 | .32412 | 3.1338 | 1.2687 | .65347 |
| #2 | 306.79 | .30809 | .25253 | 11.652 | .39393 | .31594 | 3.1798 | 1.2382 | .66531 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20437 | .22376 | 5.710  | .23660 | 3.8551 | 2.5117 |
| Stddev | .00236 | .00381 | .061   | .00252 | .2461  | .6272  |
| %RSD   | 1.1531 | 1.7042 | 1.065  | 1.0671 | 6.3842 | 24.970 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .20603 | .22646 | 5.667 | .23839 | 4.0291 | 2.9552 |
| #2 | .20270 | .22107 | 5.753 | .23482 | 3.6811 | 2.0682 |



Sample Name: J6184-02A      Acquired: 12/5/2018 0:38:04      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-MH-J      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       | 3725.5 | 58503. | 3594.0 | 86.442 | 3655.8 |
| Stddev    | 2.4    | 15.    | 84.6   | 2.640  | 33.2   |
| %RSD      | .06479 | .02493 | 2.3550 | 3.0539 | .90698 |
| #1        | 3727.2 | 58514. | 3534.2 | 84.575 | 3679.2 |
| #2        | 3723.8 | 58493. | 3653.9 | 88.308 | 3632.3 |

Sample Name: J6192-02      Acquired: 12/5/2018 0:41:59      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HD-02-120318      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |         |
|--------|---------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00177 | -.00343 | .00470 | .00518 | .00268 | .13274 | .09872 | -.00010 |
| Stddev | .00058  | .00000  | .00004 | .00011 | .00047 | .00738 | .00010 | .00003  |
| %RSD   | 32.685  | .11522  | .84188 | 2.0996 | 17.402 | 5.5624 | .10197 | 31.204  |

|    |         |         |        |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|--------|---------|
| #1 | -.00218 | -.00344 | .00472 | .00526 | .00235 | .13796 | .09865 | -.00008 |
| #2 | -.00136 | -.00343 | .00467 | .00510 | .00301 | .12752 | .09879 | -.00012 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00011 | 9.1660 | .00056 | .01026 | .00326 | .01471 | .84502 | 1.3177 |
| Stddev | .00004  | .0842  | .00049 | .00005 | .00015 | .01051 | .00224 | .0411  |
| %RSD   | 37.830  | .91892 | 87.141 | .45275 | 4.6555 | 71.433 | .26452 | 3.1223 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00008 | 9.1064 | .00021 | .01022 | .00337 | .02214 | .84344 | 1.2886 |
| #2 | -.00013 | 9.2255 | .00090 | .01029 | .00315 | .00728 | .84660 | 1.3468 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00021 | -.00047 | 308.61 | .00017 | .02131 | 1.1876 | -.00023 | .00285 |
| Stddev | .00011 | .00054  | 1.90   | .00012 | .00002 | .0260  | .00040  | .00397 |
| %RSD   | 53.617 | 114.07  | .61440 | 71.365 | .09202 | 2.1871 | 171.81  | 138.96 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00013 | -.00009 | 307.27 | .00009 | .02130 | 1.2060 | -.00051 | .00005 |
| #2 | .00028 | -.00085 | 309.95 | .00026 | .02133 | 1.1692 | .00005  | .00566 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .14186 | .39076 | -.00144 | .00477 | .00562 | .0087  | .02381 | 3.5659 |
| Stddev | .00202 | .00412 | .00063  | .00021 | .00018 | .0014  | .00001 | .5060  |
| %RSD   | 1.4206 | 1.0544 | 43.549  | 4.4900 | 3.2372 | 16.49  | .05845 | 14.189 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .14328 | .39367 | -.00189 | .00462 | .00575 | .0077 | .02380 | 3.2081 |
| #2 | .14043 | .38784 | -.00100 | .00493 | .00550 | .0097 | .02382 | 3.9237 |

Sample Name: J6192-02      Acquired: 12/5/2018 0:41:59      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HD-02-120318      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      4.1773  
Stddev      .1234  
%RSD      2.9528

#1      4.2646  
#2      4.0901

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3746.3 | 58410. | 3610.8 | 86.121 | 3680.9 |
| Stddev    | 1.9    | 102.   | 2.2    | .112   | 14.7   |
| %RSD      | .05004 | .17462 | .06071 | .13000 | .39845 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3745.0 | 58482. | 3612.3 | 86.200 | 3691.3 |
| #2 | 3747.6 | 58338. | 3609.2 | 86.042 | 3670.5 |

Sample Name: J6198-02      Acquired: 12/5/2018 0:46:10      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SA-06-120318      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |         |
|--------|---------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00039 | -.00243 | .04534 | .00062 | .00257 | .12906 | .10191 | -.00000 |
| Stddev | .00043  | .00038  | .00020 | .00377 | .00144 | .02326 | .00101 | .00012  |
| %RSD   | 112.25  | 15.418  | .45085 | 607.52 | 55.976 | 18.021 | .99440 | 4354.3  |

|    |         |         |        |         |        |        |        |         |
|----|---------|---------|--------|---------|--------|--------|--------|---------|
| #1 | -.00069 | -.00270 | .04520 | -.00205 | .00155 | .14551 | .10119 | .00008  |
| #2 | -.00008 | -.00217 | .04549 | .00329  | .00359 | .11262 | .10262 | -.00009 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00031 | 14.911 | .00142 | .00399 | .00864 | .95598 | .20234 | .68464 |
| Stddev | .00001 | .064   | .00034 | .00035 | .00018 | .01586 | .00024 | .00918 |
| %RSD   | 2.8105 | .42972 | 24.129 | 8.8342 | 2.0718 | 1.6592 | .11651 | 1.3403 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00031 | 14.865 | .00118 | .00374 | .00876 | .94476 | .20251 | .67815 |
| #2 | .00032 | 14.956 | .00166 | .00424 | .00851 | .96719 | .20217 | .69113 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00236 | -.00086 | 291.36 | .00009 | .05992 | .77482 | -.00009 | .00236 |
| Stddev | .00009 | .00009  | 6.39   | .00019 | .00237 | .02757 | .00013  | .00932 |
| %RSD   | 3.7118 | 10.188  | 2.1931 | 211.88 | 3.9506 | 3.5584 | 141.31  | 394.12 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00242 | -.00079 | 286.84 | -.00004 | .05824 | .79432 | -.00000 | -.00422 |
| #2 | .00230 | -.00092 | 295.88 | .00022  | .06159 | .75533 | -.00018 | .00895  |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .10688 | .55592 | -.00079 | .00460 | .00630 | .0056  | .06323 | 3.2109 |
| Stddev | .00128 | .00906 | .00000  | .00048 | .00207 | .0006  | .00018 | .2589  |
| %RSD   | 1.1973 | 1.6301 | .54728  | 10.430 | 32.796 | 9.951  | .28343 | 8.0622 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .10778 | .54951 | -.00079 | .00494 | .00484 | .0060 | .06335 | 3.3940 |
| #2 | .10598 | .56232 | -.00079 | .00426 | .00776 | .0052 | .06310 | 3.0279 |

Sample Name: J6198-02      Acquired: 12/5/2018 0:46:10      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SA-06-120318 Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.9483  
 Stddev      .2773  
 %RSD      7.0223

#1      4.1443  
 #2      3.7522

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3745.2 | 58651. | 3606.8 | 87.521 | 3679.7 |
| Stddev    | 2.2    | 93.    | 42.9   | 3.152  | 14.5   |
| %RSD      | .05960 | .15774 | 1.1898 | 3.6020 | .39495 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3746.8 | 58586. | 3637.2 | 89.750 | 3690.0 |
| #2 | 3743.7 | 58716. | 3576.5 | 85.292 | 3669.5 |

Sample Name: CCV12      Acquired: 12/5/2018 0:50:19      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |          |        |          |        |        |        |
|--------|----------|--------|----------|--------|----------|--------|--------|--------|
| Elem   | As1890   | Tl1908 | Pb2203   | Se1960 | Sb2068   | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | F 4.4267 | 4.7231 | F 4.4247 | 4.5033 | F 4.4165 | 9.2588 | 9.8282 | .24408 |
| Stddev | .0010    | .0091  | .0018    | .0112  | .0099    | .0335  | .0494  | .00025 |
| %RSD   | .02245   | .19174 | .04103   | .24808 | .22473   | .36131 | .50285 | .10207 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.4260 | 4.7167 | 4.4235 | 4.5112 | 4.4235 | 9.2351 | 9.8631 | .24390 |
| #2 | 4.4274 | 4.7295 | 4.4260 | 4.4954 | 4.4095 | 9.2824 | 9.7932 | .24425 |

|        |        |        |        |          |        |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286   | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.2976 | 24.901 | 1.0059 | F 2.2174 | 1.1862 | 4.6834 | 2.5021 | 23.974 |
| Stddev | .0014  | .019   | .0008  | .0034    | .0024  | .0015  | .0007  | .043   |
| %RSD   | .06255 | .07788 | .07828 | .15346   | .19877 | .03299 | .02905 | .17789 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.2965 | 24.915 | 1.0053 | 2.2150 | 1.1878 | 4.6823 | 2.5016 | 24.004 |
| #2 | 2.2986 | 24.888 | 1.0064 | 2.2199 | 1.1845 | 4.6845 | 2.5026 | 23.943 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3457 | 1.1854 | 24.346 | 2.3516 | 2.3535 | 24.934 | 4.5808 | 5.2368 |
| Stddev | .0062  | .0017  | .073   | .0104  | .0002  | .087   | .0002  | .0076  |
| %RSD   | .26359 | .14185 | .30188 | .44417 | .01041 | .35001 | .00425 | .14592 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3414 | 1.1842 | 24.398 | 2.3442 | 2.3537 | 24.995 | 4.5809 | 5.2422 |
| #2 | 2.3501 | 1.1866 | 24.294 | 2.3590 | 2.3534 | 24.872 | 4.5807 | 5.2313 |

|        |          |        |        |        |        |        |        |          |
|--------|----------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F 4.2880 | 4.9625 | 4.5495 | 4.7421 | 4.9713 | 4.580  | 4.7721 | F 1.9174 |
| Stddev | .0152    | .0058  | .0065  | .0164  | .0305  | .014   | .0158  | .2195    |
| %RSD   | .35377   | .11615 | .14376 | .34470 | .61415 | .3023  | .33025 | 11.446   |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 4.2772 | 4.9666 | 4.5448 | 4.7536 | 4.9928 | 4.570 | 4.7832 | 1.7623 |
| #2 | 4.2987 | 4.9585 | 4.5541 | 4.7305 | 4.9497 | 4.589 | 4.7610 | 2.0726 |

Sample Name: CCV12      Acquired: 12/5/2018 0:50:19      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.6206  
Stddev      .0073  
%RSD      .20102

#1      3.6258  
#2      3.6155

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4014.0 | 63228. | 3817.8 | 90.074 | 3889.5 |
| Stddev    | 2.8    | 32.    | 24.8   | .110   | 6.0    |
| %RSD      | .07058 | .05125 | .65025 | .12208 | .15508 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4016.0 | 63251. | 3800.2 | 90.152 | 3893.8 |
| #2 | 4012.0 | 63205. | 3835.3 | 89.996 | 3885.3 |

Sample Name: CCB12      Acquired: 12/5/2018 0:54:05      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7750      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |        |         |        |
|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00033 | .00115 | -.00128 | .00110 | .00010 | -.01502 | .00014 |
| Stddev | .00102  | .00051 | .00035  | .00042 | .00031 | .00757  | .00031 |
| %RSD   | 304.57  | 44.501 | 27.094  | 38.226 | 292.47 | 50.400  | 227.86 |

|    |         |        |         |        |         |         |         |
|----|---------|--------|---------|--------|---------|---------|---------|
| #1 | -.00105 | .00079 | -.00152 | .00140 | .00032  | -.02037 | -.00008 |
| #2 | .00039  | .00151 | -.00103 | .00080 | -.00011 | -.00966 | .00035  |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00009 | -.00003 | .00917 | .00047 | -.00014 | -.00037 | -.00188 |
| Stddev | .00001  | .00002  | .00320 | .00016 | .00001  | .00004  | .00773  |
| %RSD   | 10.723  | 53.663  | 34.868 | 33.593 | 7.2323  | 10.007  | 411.73  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00008 | -.00004 | .00691 | .00058 | -.00015 | -.00034 | -.00734 |
| #2 | -.00010 | -.00002 | .01144 | .00036 | -.00013 | -.00040 | .00359  |

|        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00005 | .03957 | .00004 | -.00076 | .21788 | .00051 | -.00118 |
| Stddev | .00000 | .03030 | .00009 | .00051  | .00090 | .00008 | .00006  |
| %RSD   | 5.8099 | 76.584 | 217.76 | 66.688  | .41326 | 15.111 | 5.4629  |

|    |        |        |         |         |        |        |         |
|----|--------|--------|---------|---------|--------|--------|---------|
| #1 | .00005 | .06099 | .00010  | -.00112 | .21724 | .00057 | -.00114 |
| #2 | .00005 | .01814 | -.00002 | -.00040 | .21852 | .00046 | -.00123 |

|        |         |        |         |         |         |         |        |
|--------|---------|--------|---------|---------|---------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.07709 | .00007 | -.01140 | -.00580 | -.00511 | -.00172 | .00302 |
| Stddev | .05903  | .00031 | .00062  | .00078  | .00247  | .00058  | .00127 |
| %RSD   | 76.577  | 438.79 | 5.4480  | 13.480  | 48.380  | 33.610  | 42.241 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.03534 | .00029  | -.01184 | -.00525 | -.00336 | -.00131 | .00212 |
| #2 | -.11883 | -.00015 | -.01096 | -.00635 | -.00686 | -.00213 | .00392 |



Sample Name: CCB12      Acquired: 12/5/2018 0:54:05      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA7750      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |          |          |
|-----------|--------|--------|---------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg       | .00129 | .0037  | .00006  | F<.00000 | F 1.1811 |
| Stddev    | .00025 | .0011  | .00017  | .31290   | .0958    |
| %RSD      | 19.384 | 29.46  | 272.55  | 51.100   | 8.1081   |
| #1        | .00146 | .0029  | -.00006 | -.83360  | 1.2488   |
| #2        | .00111 | .0044  | .00018  | -.39109  | 1.1134   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 4185.4 | 66484. | 3819.2  | 93.679   | 4483.1   |
| Stddev    | 13.3   | 76.    | 29.3    | .572     | 7.5      |
| %RSD      | .31730 | .11400 | .76802  | .61014   | .16831   |
| #1        | 4176.0 | 66430. | 3798.5  | 93.275   | 4477.7   |
| #2        | 4194.8 | 66537. | 3839.9  | 94.083   | 4488.4   |

Sample Name: J6201-02      Acquired: 12/5/2018 0:58:10      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 72-11932-72-      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |         |
|--------|---------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00040 | -.00215 | .00470 | .00147 | .00147 | .07935 | .08498 | -.00012 |
| Stddev | .00137  | .00024  | .00019 | .00329 | .00092 | .00093 | .00097 | .00001  |
| %RSD   | 340.31  | 11.027  | 3.9489 | 224.20 | 62.637 | 1.1683 | 1.1389 | 5.2266  |

|    |         |         |        |         |        |        |        |         |
|----|---------|---------|--------|---------|--------|--------|--------|---------|
| #1 | -.00138 | -.00231 | .00483 | -.00086 | .00082 | .08001 | .08429 | -.00012 |
| #2 | .00057  | -.00198 | .00457 | .00379  | .00211 | .07870 | .08566 | -.00012 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00018 | 9.1027 | .00061 | .00327 | .01011 | .08585 | .19862 | 2.7029 |
| Stddev | .00010  | .0410  | .00012 | .00022 | .00047 | .00715 | .00034 | .0624  |
| %RSD   | 53.377  | .44986 | 18.854 | 6.7832 | 4.6195 | 8.3264 | .17232 | 2.3074 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00011 | 9.0738 | .00053 | .00311 | .01044 | .09090 | .19838 | 2.6588 |
| #2 | -.00025 | 9.1317 | .00069 | .00343 | .00978 | .08079 | .19886 | 2.7470 |

|        |         |         |        |        |        |        |         |        |
|--------|---------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00069 | -.00011 | 275.01 | .00025 | .02442 | .54012 | -.00004 | .00016 |
| Stddev | .00087  | .00026  | 3.62   | .00050 | .00020 | .06153 | .00010  | .00599 |
| %RSD   | 125.92  | 230.82  | 1.3175 | 195.70 | .83937 | 11.391 | 242.87  | 3845.4 |

|    |         |         |        |         |        |        |         |         |
|----|---------|---------|--------|---------|--------|--------|---------|---------|
| #1 | -.00008 | -.00030 | 272.45 | .00061  | .02457 | .58362 | .00003  | .00439  |
| #2 | -.00131 | .00007  | 277.58 | -.00010 | .02428 | .49661 | -.00011 | -.00408 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .10037 | .34029 | -.00203 | .00157 | .00348 | .0078  | .03219 | 3.0061 |
| Stddev | .00320 | .00324 | .00036  | .00258 | .00118 | .0008  | .00017 | .5070  |
| %RSD   | 3.1900 | .95084 | 17.888  | 164.35 | 34.093 | 10.42  | .51867 | 16.867 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .09811 | .33800 | -.00178 | .00339  | .00431 | .0072 | .03207 | 2.6476 |
| #2 | .10264 | .34258 | -.00229 | -.00025 | .00264 | .0084 | .03231 | 3.3646 |

Sample Name: J6201-02      Acquired: 12/5/2018 0:58:10      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 72-11932-72-      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.6810  
 Stddev      .2946  
 %RSD      8.0040

#1      3.8894  
 #2      3.4727

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3777.5 | 58976. | 3611.8 | 88.867 | 3708.0 |
| Stddev    | 5.7    | 244.   | 11.3   | .507   | 14.6   |
| %RSD      | .15130 | .41377 | .31396 | .57025 | .39320 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3781.5 | 59149. | 3619.8 | 88.508 | 3697.7 |
| #2 | 3773.4 | 58804. | 3603.7 | 89.225 | 3718.3 |

Sample Name: J6213-01      Acquired: 12/5/2018 1:02:21      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7750      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00292 | .00011 | -.00190 | .00060 | -.00075 | .00664 | .01238 | -.00002 |
| Stddev | .00204 | .00057 | .00062  | .00116 | .00156  | .00182 | .00068 | .00006  |
| %RSD   | 69.791 | 524.93 | 32.667  | 193.88 | 209.13  | 27.338 | 5.5055 | 328.09  |

|    |        |         |         |         |         |        |        |         |
|----|--------|---------|---------|---------|---------|--------|--------|---------|
| #1 | .00148 | -.00029 | -.00234 | .00142  | -.00185 | .00536 | .01287 | .00002  |
| #2 | .00436 | .00051  | -.00146 | -.00022 | .00036  | .00793 | .01190 | -.00006 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00011 | 23.722 | -.00036 | -.00010 | .00071 | .04798 | .00242 | 5.1471 |
| Stddev | .00007  | .141   | .00019  | .00006  | .00023 | .01205 | .00006 | .0472  |
| %RSD   | 65.525  | .59354 | 54.127  | 60.774  | 32.648 | 25.108 | 2.5516 | .91616 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00016 | 23.822 | -.00022 | -.00014 | .00088 | .03946 | .00246 | 5.1804 |
| #2 | -.00006 | 23.623 | -.00050 | -.00005 | .00055 | .05649 | .00237 | 5.1137 |

|        |        |         |        |        |         |        |         |        |
|--------|--------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00065 | -.00064 | 20.137 | .00043 | -.00093 | 1.4967 | -.00030 | .00529 |
| Stddev | .00033 | .00024  | .069   | .00020 | .00012  | .0122  | .00002  | .00277 |
| %RSD   | 50.544 | 36.959  | .34433 | 46.244 | 12.404  | .81808 | 5.7914  | 52.359 |

|    |        |         |        |        |         |        |         |        |
|----|--------|---------|--------|--------|---------|--------|---------|--------|
| #1 | .00042 | -.00081 | 20.186 | .00057 | -.00101 | 1.4881 | -.00032 | .00333 |
| #2 | .00088 | -.00047 | 20.088 | .00029 | -.00085 | 1.5054 | -.00029 | .00725 |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 2.8521 | 2.8909 | -.00362 | .00219 | -.00745 | .0315  | .10495 | <.00000 |
| Stddev | .0036  | .0258  | .00051  | .00321 | .00011  | .0006  | .00094 | .15000  |
| %RSD   | .12576 | .89242 | 13.971  | 146.72 | 1.5278  | 1.820  | .89431 | 7.7430  |

|    |        |        |         |         |         |       |        |         |
|----|--------|--------|---------|---------|---------|-------|--------|---------|
| #1 | 2.8546 | 2.9092 | -.00397 | -.00008 | -.00754 | .0319 | .10561 | -2.0433 |
| #2 | 2.8495 | 2.8727 | -.00326 | .00446  | -.00737 | .0311 | .10428 | -1.8312 |

Sample Name: J6213-01      Acquired: 12/5/2018 1:02:21      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB7750      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.2114  
 Stddev      .8331  
 %RSD      37.673

#1      1.6223  
 #2      2.8005

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4406.2 | 69977. | 4109.8 | 100.60 | 4653.0 |
| Stddev    | 5.6    | 154.   | 33.4   | 1.65   | 2.0    |
| %RSD      | .12606 | .22010 | .81311 | 1.6385 | .04193 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4410.1 | 70085. | 4086.2 | 101.77 | 4654.4 |
| #2 | 4402.2 | 69868. | 4133.4 | 99.438 | 4651.6 |

Sample Name: J6213-01DUP      Acquired: 12/5/2018 1:06:25      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14274      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00122 | .00070 | -.00151 | .00121 | -.00051 | .01457 | .01207 | .00004 |
| Stddev | .00230 | .00032 | .00055  | .00106 | .00009  | .01296 | .00089 | .00001 |
| %RSD   | 187.84 | 46.537 | 36.213  | 87.627 | 18.518  | 88.976 | 7.4080 | 36.728 |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00285  | .00093 | -.00112 | .00046 | -.00057 | .02373 | .01144 | .00003 |
| #2 | -.00040 | .00047 | -.00189 | .00196 | -.00044 | .00540 | .01271 | .00005 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00014 | 23.693 | -.00011 | -.00009 | .00047 | .03748 | .00248 | 5.0968 |
| Stddev | .00002  | .003   | .00028  | .00004  | .00034 | .00250 | .00009 | .0285  |
| %RSD   | 16.371  | .01067 | 252.37  | 48.032  | 70.997 | 6.6615 | 3.4357 | .55814 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00015 | 23.695 | -.00031 | -.00012 | .00071 | .03571 | .00254 | 5.0766 |
| #2 | -.00012 | 23.691 | .00009  | -.00006 | .00024 | .03924 | .00242 | 5.1169 |

|        |        |         |        |        |         |        |         |         |
|--------|--------|---------|--------|--------|---------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00066 | -.00105 | 19.966 | .00024 | -.00096 | 1.5312 | -.00025 | -.00976 |
| Stddev | .00028 | .00008  | .018   | .00085 | .00004  | .0067  | .00015  | .00894  |
| %RSD   | 43.027 | 7.7064  | .09011 | 351.38 | 4.6136  | .43477 | 57.887  | 91.558  |

|    |        |         |        |         |         |        |         |         |
|----|--------|---------|--------|---------|---------|--------|---------|---------|
| #1 | .00046 | -.00110 | 19.979 | -.00036 | -.00099 | 1.5265 | -.00036 | -.00344 |
| #2 | .00086 | -.00099 | 19.953 | .00085  | -.00093 | 1.5359 | -.00015 | -.01608 |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 2.8757 | 2.9052 | -.00450 | .00218 | -.00792 | .0328  | .10501 | <.00000 |
| Stddev | .0051  | .0153  | .00051  | .00239 | .00093  | .0015  | .00028 | 1.1300  |
| %RSD   | .17600 | .52647 | 11.379  | 109.77 | 11.795  | 4.475  | .26416 | 75.731  |

|    |        |        |         |        |         |       |        |         |
|----|--------|--------|---------|--------|---------|-------|--------|---------|
| #1 | 2.8792 | 2.8944 | -.00486 | .00387 | -.00858 | .0318 | .10482 | -.69307 |
| #2 | 2.8721 | 2.9160 | -.00413 | .00049 | -.00726 | .0338 | .10521 | -2.2911 |

Sample Name: J6213-01DUP      Acquired: 12/5/2018 1:06:25      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14274      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.7527  
Stddev      .1959  
%RSD      7.1169

#1      2.8912  
#2      2.6141

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4393.7 | 68211. | 4113.3 | 102.16 | 4634.9 |
| Stddev    | 35.2   | 1577.  | .7     | 1.71   | 29.7   |
| %RSD      | .80166 | 2.3119 | .01686 | 1.6764 | .64021 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4368.8 | 67095. | 4112.8 | 100.95 | 4613.9 |
| #2 | 4418.6 | 69326. | 4113.8 | 103.37 | 4655.9 |

Sample Name: J6213-01LX5      Acquired: 12/5/2018 1:10:28      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14273      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |        |         |        |         |
|--------|---------|---------|---------|--------|--------|---------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00222 | -.00013 | -.00104 | .00126 | .00098 | -.01162 | .00280 | -.00006 |
| Stddev | .00068  | .00019  | .00046  | .00354 | .00012 | .01347  | .00021 | .00004  |
| %RSD   | 30.685  | 149.49  | 43.687  | 281.02 | 12.550 | 115.95  | 7.5437 | 76.177  |

|    |         |         |         |         |        |         |        |         |
|----|---------|---------|---------|---------|--------|---------|--------|---------|
| #1 | -.00174 | -.00027 | -.00072 | -.00124 | .00089 | -.02115 | .00294 | -.00003 |
| #2 | -.00270 | .00001  | -.00137 | .00376  | .00106 | -.00209 | .00265 | -.00009 |

|        |         |        |        |         |         |        |        |        |
|--------|---------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00006 | 4.8497 | .00045 | -.00022 | -.00007 | .01831 | .00061 | 1.0974 |
| Stddev | .00005  | .0340  | .00053 | .00009  | .00015  | .00528 | .00002 | .0243  |
| %RSD   | 87.651  | .70159 | 119.17 | 40.272  | 205.66  | 28.821 | 2.4936 | 2.2180 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | -.00002 | 4.8256 | .00083 | -.00016 | .00003  | .02205 | .00062 | 1.1146 |
| #2 | -.00010 | 4.8737 | .00007 | -.00029 | -.00017 | .01458 | .00060 | 1.0802 |

|        |        |         |        |        |         |        |         |         |
|--------|--------|---------|--------|--------|---------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00024 | -.00059 | 4.3546 | .00009 | -.00026 | .30788 | -.00039 | -.01245 |
| Stddev | .00029 | .00006  | .0236  | .00034 | .00006  | .02135 | .00033  | .00315  |
| %RSD   | 120.79 | 10.299  | .54296 | 364.66 | 21.146  | 6.9343 | 85.200  | 25.335  |

|    |        |         |        |         |         |        |         |         |
|----|--------|---------|--------|---------|---------|--------|---------|---------|
| #1 | .00045 | -.00055 | 4.3378 | .00033  | -.00030 | .29278 | -.00015 | -.01022 |
| #2 | .00004 | -.00064 | 4.3713 | -.00015 | -.00022 | .32297 | -.00062 | -.01468 |

|        |        |        |         |        |        |        |        |         |
|--------|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .56752 | .59043 | -.00283 | .00188 | .00202 | .0104  | .02175 | <.00000 |
| Stddev | .00277 | .00676 | .00005  | .00035 | .00013 | .0002  | .00030 | .29272  |
| %RSD   | .48732 | 1.1455 | 1.7111  | 18.756 | 6.4973 | 2.356  | 1.3753 | 24.086  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | .56947 | .58565 | -.00287 | .00163 | .00193 | .0106 | .02154 | -1.0083 |
| #2 | .56556 | .59521 | -.00280 | .00213 | .00212 | .0103 | .02196 | -1.4223 |



Sample Name: J6213-01LX5      Acquired: 12/5/2018 1:10:28      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14273      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.8664  
Stddev      .3219  
%RSD      17.246

#1      1.6388  
#2      2.0940

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4213.1 | 66736. | 3878.2 | 97.096 | 4485.8 |
| Stddev    | 3.8    | 182.   | 26.3   | .324   | 7.1    |
| %RSD      | .08938 | .27239 | .67826 | .33378 | .15797 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4210.4 | 66607. | 3896.8 | 97.325 | 4480.8 |
| #2 | 4215.7 | 66864. | 3859.6 | 96.867 | 4490.8 |

Sample Name: J6213-01MS      Acquired: 12/5/2018 1:14:34      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14273      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .83706 | 2.2048 | 1.0112 | 2.2267 | .85175 | 2.2162 | .25565 | .24058  |
| Stddev | .00249 | .0006  | .0002  | .0061  | .00034 | .0027  | .00162 | .00039  |
| %RSD   | .29804 | .02818 | .02253 | .27436 | .03935 | .12092 | .63189 | .16133  |
| #1     | .83882 | 2.2052 | 1.0110 | 2.2310 | .85151 | 2.2143 | .25679 | .24030  |
| #2     | .83529 | 2.2043 | 1.0113 | 2.2224 | .85199 | 2.2181 | .25451 | .24085  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .20961 | 24.646 | .49058 | .20633 | .35828 | 3.3784 | .24755 | 7.4060  |
| Stddev | .00010 | .127   | .00074 | .00048 | .00026 | .0024  | .00008 | .0288   |
| %RSD   | .04588 | .51692 | .15084 | .23419 | .07144 | .07224 | .03338 | .38918  |
| #1     | .20955 | 24.736 | .49110 | .20599 | .35847 | 3.3766 | .24761 | 7.4264  |
| #2     | .20968 | 24.556 | .49006 | .20667 | .35810 | 3.3801 | .24749 | 7.3856  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .54808 | .08145 | 22.947 | .34368 | .23347 | 13.863 | .45312 | .37432  |
| Stddev | .00126 | .00093 | .180   | .00143 | .00213 | .006   | .00038 | .00149  |
| %RSD   | .22907 | 1.1369 | .78289 | .41751 | .91139 | .04416 | .08483 | .39773  |
| #1     | .54719 | .08079 | 23.074 | .34267 | .23497 | 13.858 | .45284 | .37538  |
| #2     | .54897 | .08210 | 22.820 | .34470 | .23197 | 13.867 | .45339 | .37327  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 2.8361 | 3.9838 | .73480 | .23051 | .23031 | 6.217  | .33048 | <.00000 |
| Stddev | .0105  | .0975  | .00055 | .00394 | .00081 | .001   | .00236 | .02011  |
| %RSD   | .37054 | 2.4480 | .07546 | 1.7088 | .35354 | .0209  | .71392 | 2.4349  |
| #1     | 2.8286 | 4.0527 | .73519 | .23329 | .23089 | 6.216  | .33214 | -.81174 |
| #2     | 2.8435 | 3.9148 | .73441 | .22772 | .22974 | 6.218  | .32881 | -.84018 |

Sample Name: J6213-01MS      Acquired: 12/5/2018 1:14:34      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14273      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .89754 |
| Stddev | .02291 |
| %RSD   | 2.5531 |

|    |        |
|----|--------|
| #1 | .91374 |
| #2 | .88133 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4352.1 | 68326. | 4045.2 | 100.25 | 4516.1 |
| Stddev    | 6.0    | 35.    | 36.2   | .64    | 13.2   |
| %RSD      | .13740 | .05102 | .89467 | .63795 | .29241 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4356.4 | 68301. | 4019.6 | 99.796 | 4525.4 |
| #2 | 4347.9 | 68350. | 4070.8 | 100.70 | 4506.8 |

Sample Name: J6213-01MSD      Acquired: 12/5/2018 1:18:24      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14274      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .84456 | 2.2057 | 1.0119 | 2.2368 | .85645 | 2.2165 | .25535 | .24005 |
| Stddev | .00051 | .0008  | .0014  | .0054  | .00040 | .0036  | .00117 | .00015 |
| %RSD   | .06059 | .03834 | .14369 | .23986 | .04719 | .16207 | .46007 | .06374 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .84420 | 2.2063 | 1.0129 | 2.2331 | .85673 | 2.2191 | .25452 | .23994 |
| #2 | .84492 | 2.2051 | 1.0108 | 2.2406 | .85616 | 2.2140 | .25618 | .24016 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21000 | 24.630 | .49050 | .20568 | .35889 | 3.3980 | .24765 | 7.3253 |
| Stddev | .00022 | .068   | .00333 | .00006 | .00020 | .1070  | .00067 | .0374  |
| %RSD   | .10548 | .27806 | .67956 | .03028 | .05539 | 3.1499 | .27207 | .51089 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21015 | 24.679 | .48814 | .20572 | .35903 | 3.3223 | .24718 | 7.2988 |
| #2 | .20984 | 24.582 | .49285 | .20564 | .35875 | 3.4737 | .24813 | 7.3518 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54608 | .08135 | 22.949 | .34368 | .23463 | 13.787 | .45405 | .38041 |
| Stddev | .00138 | .00033 | .098   | .00111 | .00735 | .062   | .00185 | .00937 |
| %RSD   | .25335 | .41141 | .42634 | .32229 | 3.1309 | .44872 | .40722 | 2.4639 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .54705 | .08159 | 23.018 | .34290 | .22944 | 13.743 | .45536 | .38703 |
| #2 | .54510 | .08112 | 22.879 | .34447 | .23982 | 13.831 | .45274 | .37378 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 2.8314 | 3.9411 | .73453 | .22950 | .23205 | 6.222  | .32948 | <.00000 |
| Stddev | .0085  | .0232  | .00135 | .00231 | .00106 | .006   | .00217 | .10416  |
| %RSD   | .30162 | .58803 | .18412 | 1.0051 | .45779 | .0897  | .65797 | 14.427  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 2.8254 | 3.9575 | .73357 | .22787 | .23280 | 6.218 | .33102 | -.79562 |
| #2 | 2.8375 | 3.9247 | .73548 | .23114 | .23130 | 6.226 | .32795 | -.64832 |

Sample Name: J6213-01MSD      Acquired: 12/5/2018 1:18:24      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14274      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .73790 |
| Stddev | .58036 |
| %RSD   | 78.650 |

|    |        |
|----|--------|
| #1 | .32753 |
| #2 | 1.1483 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4321.9 | 68138. | 4045.0 | 99.493 | 4495.4 |
| Stddev    | 5.1    | 243.   | 19.9   | 3.007  | 2.5    |
| %RSD      | .11799 | .35696 | .49126 | 3.0220 | .05590 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4318.3 | 68310. | 4031.0 | 101.62 | 4493.6 |
| #2 | 4325.5 | 67966. | 4059.1 | 97.367 | 4497.2 |

Sample Name: J6213-01A      Acquired: 12/5/2018 1:22:13      Type: Unk  
Method: P4-ICP2(v2628)      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    | .83955 | 2.2029 | 1.0128 | 2.2330 | .85578 | 2.1793 | .25587 | .24053 |
| Stddev | .00541 | .0016  | .0008  | .0168  | .00575 | .0355  | .00102 | .00037 |
| %RSD   | .64437 | .07185 | .07395 | .75315 | .67231 | 1.6281 | .39786 | .15398 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83573 | 2.2018 | 1.0122 | 2.2211 | .85171 | 2.1542 | .25515 | .24027 |
| #2 | .84338 | 2.2040 | 1.0133 | 2.2449 | .85985 | 2.2044 | .25659 | .24079 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21017 | 24.712 | .48764 | .20665 | .35800 | 3.3867 | .24787 | 7.3873 |
| Stddev | .00027 | .061   | .00125 | .00083 | .00182 | .0199  | .00006 | .0720  |
| %RSD   | .12699 | .24796 | .25656 | .40094 | .50894 | .58675 | .02345 | .97521 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20998 | 24.668 | .48675 | .20606 | .35671 | 3.4007 | .24783 | 7.3363 |
| #2 | .21036 | 24.755 | .48852 | .20723 | .35929 | 3.3726 | .24791 | 7.4382 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54718 | .08120 | 23.058 | .34252 | .23485 | 13.847 | .45420 | .38000 |
| Stddev | .00018 | .00120 | .090   | .00205 | .00181 | .013   | .00281 | .00183 |
| %RSD   | .03228 | 1.4748 | .38874 | .59863 | .76960 | .09282 | .61881 | .48274 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .54706 | .08035 | 23.121 | .34107 | .23613 | 13.838 | .45221 | .38130 |
| #2 | .54731 | .08205 | 22.994 | .34397 | .23358 | 13.856 | .45619 | .37870 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 2.8393 | 3.9855 | .73851 | .23245 | .23293 | 6.223  | .33072 | <.00000 |
| Stddev | .0034  | .0188  | .00061 | .00042 | .00039 | .010   | .00105 | .25916  |
| %RSD   | .12044 | .47086 | .08290 | .18075 | .16835 | .1540  | .31765 | 35.386  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 2.8369 | 3.9988 | .73894 | .23274 | .23321 | 6.230 | .33146 | -.91564 |
| #2 | 2.8417 | 3.9722 | .73808 | .23215 | .23266 | 6.216 | .32998 | -.54913 |

Sample Name: J6213-01A      Acquired: 12/5/2018 1:22:13      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.1195 |
| Stddev | .0090  |
| %RSD   | .80535 |

|    |        |
|----|--------|
| #1 | 1.1131 |
| #2 | 1.1259 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4329.7 | 68205. | 3996.8 | 99.501 | 4493.3 |
| Stddev    | 16.9   | 263.   | 18.2   | .864   | 2.0    |
| %RSD      | .39097 | .38539 | .45469 | .86804 | .04486 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4341.6 | 68391. | 3983.9 | 98.890 | 4491.8 |
| #2 | 4317.7 | 68019. | 4009.6 | 100.11 | 4494.7 |

Sample Name: J6213-02      Acquired: 12/5/2018 1:26:03      Type: Unk  
Method: P4-ICP2(v2628)      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    | .00123 | .00019 | -.00081 | .00208 | -.00057 | -.01170 | .01271 | .00001 |
| Stddev | .00040 | .00017 | .00027  | .00041 | .00001  | .00392  | .00036 | .00002 |
| %RSD   | 32.974 | 89.055 | 32.837  | 19.951 | 1.0849  | 33.469  | 2.8035 | 130.71 |

|    |        |        |         |        |         |         |        |        |
|----|--------|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00094 | .00007 | -.00100 | .00237 | -.00058 | -.01447 | .01296 | .00002 |
| #2 | .00151 | .00031 | -.00062 | .00179 | -.00057 | -.00893 | .01246 | .00000 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00012 | 23.808 | -.00000 | -.00016 | .00079 | .03799 | .00229 | 5.1251 |
| Stddev | .00001  | .002   | .00035  | .00012  | .00014 | .00171 | .00005 | .0802  |
| %RSD   | 10.275  | .00801 | 38124.  | 74.944  | 17.967 | 4.5011 | 2.0749 | 1.5644 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00013 | 23.809 | .00025  | -.00024 | .00069 | .03920 | .00226 | 5.0684 |
| #2 | -.00011 | 23.807 | -.00025 | -.00007 | .00089 | .03678 | .00233 | 5.1818 |

|        |        |         |        |        |         |        |         |         |
|--------|--------|---------|--------|--------|---------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00009 | -.00061 | 19.806 | .00011 | -.00123 | 1.4933 | -.00001 | -.00045 |
| Stddev | .00012 | .00064  | .040   | .00006 | .00009  | .0324  | .00011  | .00027  |
| %RSD   | 133.48 | 105.71  | .19973 | 53.431 | 7.4153  | 2.1682 | 979.55  | 60.702  |

|    |        |         |        |        |         |        |         |         |
|----|--------|---------|--------|--------|---------|--------|---------|---------|
| #1 | .00018 | -.00106 | 19.778 | .00007 | -.00129 | 1.5162 | -.00009 | -.00065 |
| #2 | .00001 | -.00015 | 19.834 | .00015 | -.00117 | 1.4704 | .00007  | -.00026 |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 2.8762 | 2.8683 | -.00415 | .00048 | -.00761 | .0321  | .10562 | <.00000 |
| Stddev | .0005  | .0132  | .00038  | .00020 | .00244  | .0004  | .00007 | .05858  |
| %RSD   | .01631 | .46028 | 9.1580  | 40.555 | 32.060  | 1.198  | .06788 | 10.630  |

|    |        |        |         |        |         |       |        |         |
|----|--------|--------|---------|--------|---------|-------|--------|---------|
| #1 | 2.8765 | 2.8590 | -.00442 | .00062 | -.00933 | .0318 | .10567 | -.59257 |
| #2 | 2.8758 | 2.8777 | -.00388 | .00035 | -.00588 | .0323 | .10557 | -.50972 |



Sample Name: J6213-02      Acquired: 12/5/2018 1:26:03      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.4070  
 Stddev      .9721  
 %RSD      40.386

#1      3.0943  
 #2      1.7196

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4337.9 | 68087. | 4090.8 | 102.29 | 4581.8 |
| Stddev    | 9.3    | 63.    | 27.6   | 1.87   | 3.4    |
| %RSD      | .21419 | .09236 | .67473 | 1.8281 | .07372 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4344.4 | 68131. | 4110.3 | 103.61 | 4584.1 |
| #2 | 4331.3 | 68042. | 4071.3 | 100.97 | 4579.4 |

Sample Name: J6213-03      Acquired: 12/5/2018 1:30:06      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |         |        |         |
|--------|---------|---------|---------|--------|---------|---------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00012 | -.00042 | -.00124 | .00004 | -.00130 | -.00769 | .01384 | -.00002 |
| Stddev | .00094  | .00039  | .00046  | .00170 | .00029  | .00159  | .00001 | .00004  |
| %RSD   | 750.59  | 93.503  | 37.151  | 4221.0 | 22.523  | 20.622  | .08651 | 290.09  |

|    |         |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00079 | -.00069 | -.00091 | -.00116 | -.00151 | -.00657 | .01384 | .00002  |
| #2 | .00054  | -.00014 | -.00156 | .00124  | -.00109 | -.00881 | .01383 | -.00005 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00015 | 23.755 | -.00022 | .00001 | .00050 | .04223 | .00234 | 5.0579 |
| Stddev | .00001  | .065   | .00019  | .00003 | .00006 | .00817 | .00007 | .0215  |
| %RSD   | 7.5255  | .27188 | 85.643  | 305.64 | 12.087 | 19.346 | 3.0811 | .42531 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00015 | 23.801 | -.00035 | .00003  | .00046 | .04800 | .00229 | 5.0427 |
| #2 | -.00014 | 23.710 | -.00009 | -.00001 | .00055 | .03645 | .00240 | 5.0732 |

|        |        |         |        |        |         |        |         |        |
|--------|--------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00035 | -.00086 | 19.426 | .00026 | -.00122 | 1.4899 | -.00015 | .00216 |
| Stddev | .00009 | .00009  | .077   | .00047 | .00005  | .0260  | .00002  | .00928 |
| %RSD   | 26.760 | 10.476  | .39647 | 178.31 | 3.8646  | 1.7476 | 14.973  | 428.61 |

|    |        |         |        |         |         |        |         |         |
|----|--------|---------|--------|---------|---------|--------|---------|---------|
| #1 | .00041 | -.00080 | 19.481 | .00060  | -.00119 | 1.4715 | -.00017 | .00873  |
| #2 | .00028 | -.00092 | 19.372 | -.00007 | -.00126 | 1.5083 | -.00014 | -.00440 |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 2.8384 | 2.8848 | -.00446 | .00050 | -.00551 | .0335  | .10500 | <.00000 |
| Stddev | .0058  | .0150  | .00060  | .00024 | .00128  | .0014  | .00021 | .21748  |
| %RSD   | .20491 | .52028 | 13.530  | 47.639 | 23.319  | 4.134  | .19728 | 22.817  |

|    |        |        |         |        |         |       |        |         |
|----|--------|--------|---------|--------|---------|-------|--------|---------|
| #1 | 2.8425 | 2.8954 | -.00489 | .00067 | -.00642 | .0345 | .10486 | -.79934 |
| #2 | 2.8342 | 2.8742 | -.00403 | .00033 | -.00460 | .0325 | .10515 | -1.1069 |

Sample Name: J6213-03      Acquired: 12/5/2018 1:30:06      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.5136  
Stddev      1.2741  
%RSD      84.176

#1      .61267  
#2      2.4145

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4328.8 | 68083. | 4043.3 | 100.19 | 4594.4 |
| Stddev    | 6.1    | 26.    | 21.8   | .45    | 2.9    |
| %RSD      | .14048 | .03852 | .53821 | .44479 | .06258 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4333.1 | 68065. | 4027.9 | 99.875 | 4596.4 |
| #2 | 4324.5 | 68102. | 4058.7 | 100.51 | 4592.4 |

Sample Name: J6213-04      Acquired: 12/5/2018 1:34:10      Type: Unk  
Method: P4-ICP2(v2628)      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    | .00023 | .00038 | -.00084 | .00183 | -.00035 | -.00318 | .01258 | -.00004 |
| Stddev | .00017 | .00065 | .00007  | .00083 | .00086  | .00730  | .00017 | .00004  |
| %RSD   | 73.854 | 173.19 | 8.0896  | 45.249 | 245.06  | 229.48  | 1.3774 | 119.77  |

|    |        |         |         |        |         |         |        |         |
|----|--------|---------|---------|--------|---------|---------|--------|---------|
| #1 | .00011 | .00084  | -.00089 | .00242 | -.00096 | .00198  | .01271 | -.00007 |
| #2 | .00035 | -.00008 | -.00079 | .00125 | .00026  | -.00834 | .01246 | -.00001 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00011 | 23.794 | -.00047 | -.00021 | .00070 | .04229 | .00233 | 4.9950 |
| Stddev | .00000  | .083   | .00030  | .00022  | .00016 | .00680 | .00002 | .0248  |
| %RSD   | 4.4354  | .34965 | 64.900  | 106.39  | 23.444 | 16.070 | .76452 | .49565 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00011 | 23.853 | -.00025 | -.00005 | .00059 | .03748 | .00232 | 5.0125 |
| #2 | -.00011 | 23.735 | -.00068 | -.00036 | .00082 | .04709 | .00235 | 4.9775 |

|        |        |         |        |        |         |        |         |         |
|--------|--------|---------|--------|--------|---------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00038 | -.00073 | 18.594 | .00044 | -.00106 | 1.4166 | -.00022 | -.00610 |
| Stddev | .00004 | .00022  | .054   | .00012 | .00005  | .0075  | .00017  | .00558  |
| %RSD   | 10.569 | 30.270  | .29282 | 28.029 | 5.0844  | .52955 | 76.079  | 91.452  |

|    |        |         |        |        |         |        |         |         |
|----|--------|---------|--------|--------|---------|--------|---------|---------|
| #1 | .00035 | -.00088 | 18.633 | .00053 | -.00110 | 1.4113 | -.00035 | -.00216 |
| #2 | .00040 | -.00057 | 18.556 | .00036 | -.00102 | 1.4219 | -.00010 | -.01005 |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 2.7943 | 2.8983 | -.00440 | .00132 | -.00942 | .0327  | .10503 | <.00000 |
| Stddev | .0195  | .0362  | .00001  | .00139 | .00072  | .0005  | .00009 | .08684  |
| %RSD   | .69781 | 1.2488 | .26287  | 104.88 | 7.6776  | 1.663  | .09010 | 7.1196  |

|    |        |        |         |        |         |       |        |         |
|----|--------|--------|---------|--------|---------|-------|--------|---------|
| #1 | 2.7805 | 2.9238 | -.00441 | .00231 | -.00994 | .0323 | .10510 | -1.2812 |
| #2 | 2.8081 | 2.8727 | -.00440 | .00034 | -.00891 | .0330 | .10496 | -1.1584 |

Sample Name: J6213-04      Acquired: 12/5/2018 1:34:10      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.2461  
 Stddev      .3978  
 %RSD      17.711

#1      2.5274  
 #2      1.9648

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4298.1 | 68078. | 4041.2 | 100.89 | 4551.0 |
| Stddev    | 29.5   | 26.    | 20.4   | .32    | 36.7   |
| %RSD      | .68638 | .03797 | .50362 | .32013 | .80743 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4318.9 | 68096. | 4026.9 | 100.66 | 4577.0 |
| #2 | 4277.2 | 68060. | 4055.6 | 101.12 | 4525.0 |

Sample Name: CCV13      Acquired: 12/5/2018 1:38:14      Type: Unk  
Method: P4-ICP2(v2628)      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    | F 4.4278 | 4.7046 | F 4.3634 | 4.5282   | F 4.4194 | 9.2966 | 10.007 | .24480   |
| Stddev | .0040    | .0095  | .0064    | .0053    | .0015    | .0239  | .058   | .00003   |
| %RSD   | .09119   | .20117 | .14658   | .11650   | .03475   | .25699 | .58240 | .01210   |
| #1     | 4.4249   | 4.6979 | 4.3589   | 4.5320   | 4.4183   | 9.2797 | 9.9663 | .24482   |
| #2     | 4.4307   | 4.7113 | 4.3679   | 4.5245   | 4.4205   | 9.3135 | 10.049 | .24478   |
| Elem   | Cd2265   | Ca3736 | Cr2677   | Co2286   | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.2767   | 25.052 | 1.0112   | F 2.1901 | 1.1925   | 4.5109 | 2.5138 | 23.742   |
| Stddev | .0044    | .109   | .0049    | .0031    | .0012    | .1056  | .0023  | .010     |
| %RSD   | .19480   | .43516 | .48862   | .14148   | .10113   | 2.3413 | .08973 | .04343   |
| #1     | 2.2736   | 24.975 | 1.0147   | 2.1879   | 1.1934   | 4.4362 | 2.5154 | 23.735   |
| #2     | 2.2799   | 25.129 | 1.0077   | 2.1923   | 1.1917   | 4.5856 | 2.5122 | 23.750   |
| Elem   | Ni2316   | Ag3280 | Na5895   | V_2924   | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.3294   | 1.1969 | 24.677   | 2.3652   | 2.2676   | 25.542 | 4.5828 | 5.3049   |
| Stddev | .0069    | .0045  | .247     | .0070    | .0288    | .179   | .0045  | .0010    |
| %RSD   | .29484   | .37152 | 1.0026   | .29431   | 1.2696   | .70009 | .09795 | .01869   |
| #1     | 2.3245   | 1.2000 | 24.502   | 2.3701   | 2.2472   | 25.416 | 4.5796 | 5.3042   |
| #2     | 2.3342   | 1.1937 | 24.852   | 2.3603   | 2.2879   | 25.669 | 4.5859 | 5.3056   |
| Elem   | S_1820   | Si2881 | Sn1899   | Ti3361   | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | F 4.3041 | 5.0169 | F 4.4987 | 4.7735   | 5.0674   | 4.563  | 4.8461 | F 2.6875 |
| Stddev | .0052    | .0173  | .0015    | .0304    | .0328    | .010   | .0247  | .3078    |
| %RSD   | .12134   | .34529 | .03349   | .63771   | .64718   | .2256  | .51023 | 11.452   |
| #1     | 4.3078   | 5.0047 | 4.4976   | 4.7520   | 5.0442   | 4.556  | 4.8286 | 2.9051   |
| #2     | 4.3004   | 5.0292 | 4.4998   | 4.7950   | 5.0905   | 4.570  | 4.8636 | 2.4699   |

Sample Name: CCV13      Acquired: 12/5/2018 1:38:14      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.0790  
Stddev      .0726  
%RSD      2.3588

#1      3.1304  
#2      3.0277

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3967.3 | 61943. | 3733.5 | 92.032 | 3880.8 |
| Stddev    | 4.1    | 121.   | 7.7    | 1.107  | 2.3    |
| %RSD      | .10261 | .19496 | .20756 | 1.2025 | .06025 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3964.4 | 61858. | 3739.0 | 92.815 | 3882.5 |
| #2 | 3970.2 | 62028. | 3728.0 | 91.250 | 3879.2 |

Sample Name: CCB13      Acquired: 12/5/2018 1:42:00      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00040 | .00003 | -.00047 | .00101 | .00191 | -.01201 | .00100 |
| Stddev | .00077  | .00076 | .00003  | .00212 | .00006 | .01197  | .00016 |
| %RSD   | 192.33  | 2893.1 | 7.3074  | 210.98 | 3.2237 | 99.590  | 16.158 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00095 | .00056  | -.00044 | .00251  | .00186 | -.00355 | .00111 |
| #2 | .00014  | -.00051 | -.00049 | -.00050 | .00195 | -.02048 | .00088 |

|        |         |         |         |        |         |        |        |
|--------|---------|---------|---------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00002 | -.00009 | -.00781 | .00004 | -.00004 | .00031 | .00232 |
| Stddev | .00001  | .00001  | .01838  | .00012 | .00024  | .00030 | .01493 |
| %RSD   | 60.712  | 9.1813  | 235.50  | 340.19 | 602.67  | 94.949 | 644.17 |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00003 | -.00010 | .00519  | -.00005 | -.00021 | .00010 | .01287  |
| #2 | -.00001 | -.00009 | -.02080 | .00012  | .00013  | .00052 | -.00824 |

|        |        |         |         |         |        |         |         |
|--------|--------|---------|---------|---------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00005 | -.00007 | -.00017 | -.00058 | .16271 | -.00021 | -.00119 |
| Stddev | .00000 | .00610  | .00020  | .00032  | .00696 | .00020  | .00002  |
| %RSD   | 4.4848 | 8463.6  | 117.90  | 56.174  | 4.2751 | 96.106  | 1.4497  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00005 | .00424  | -.00031 | -.00035 | .16763 | -.00007 | -.00118 |
| #2 | .00005 | -.00438 | -.00003 | -.00080 | .15779 | -.00035 | -.00120 |

|        |         |        |         |        |         |         |        |
|--------|---------|--------|---------|--------|---------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820 | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.07790 | .00016 | -.01130 | .00196 | -.00288 | -.00207 | .00041 |
| Stddev | .00378  | .00026 | .00491  | .00119 | .00169  | .00038  | .00122 |
| %RSD   | 4.8558  | 159.87 | 43.418  | 60.599 | 58.838  | 18.142  | 301.47 |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.08057 | .00035  | -.01477 | .00280 | -.00168 | -.00233 | -.00046 |
| #2 | -.07522 | -.00002 | -.00783 | .00112 | -.00408 | -.00180 | .00127  |



Sample Name: CCB13      Acquired: 12/5/2018 1:42:00      Type: Unk  
 Method: P4-ICP2(v2628)      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    | .00370 | .0044  | .00011 | F<.00000 | F .90765 |
| Stddev | .00050 | .0001  | .00012 | .09636   | .06795   |
| %RSD   | 13.642 | 2.940  | 116.59 | 113.89   | 7.4864   |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | .00405 | .0045 | .00002 | -.01647 | .95569 |
| #2 | .00334 | .0043 | .00019 | -.15274 | .85960 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4157.8 | 65987. | 3799.4 | 93.383 | 4476.1 |
| Stddev    | .7     | 177.   | 24.1   | 3.924  | 6.8    |
| %RSD      | .01787 | .26819 | .63498 | 4.2025 | .15121 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4158.3 | 66112. | 3782.3 | 90.608 | 4471.3 |
| #2 | 4157.2 | 65862. | 3816.4 | 96.158 | 4480.8 |

Sample Name: J6213-05      Acquired: 12/5/2018 1:46:07      Type: Unk  
Method: P4-ICP2(v2628)      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    | -.00018 | .00017 | -.00089 | .00027 | -.00080 | .00256 | .01215 | .00001 |
| Stddev | .00186  | .00051 | .00012  | .00041 | .00092  | .01249 | .00074 | .00005 |
| %RSD   | 1010.1  | 300.17 | 13.022  | 151.06 | 115.35  | 487.43 | 6.1041 | 406.01 |

|    |         |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00150 | .00053  | -.00098 | .00056  | -.00015 | .01139  | .01163 | -.00002 |
| #2 | .00113  | -.00019 | -.00081 | -.00002 | -.00145 | -.00627 | .01268 | .00005  |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 23.917 | -.00047 | -.00003 | .00079 | .03120 | .00238 | 4.9659 |
| Stddev | .00005  | .100   | .00002  | .00019  | .00039 | .00397 | .00001 | .0139  |
| %RSD   | 64.855  | .42008 | 4.9320  | 657.65  | 49.546 | 12.724 | .33135 | .27935 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00004 | 23.846 | -.00045 | -.00016 | .00051 | .03401 | .00238 | 4.9561 |
| #2 | -.00010 | 23.988 | -.00048 | .00010  | .00106 | .02840 | .00239 | 4.9757 |

|        |        |         |        |        |         |        |         |        |
|--------|--------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00050 | -.00080 | 18.459 | .00071 | -.00071 | 1.4569 | -.00006 | .00249 |
| Stddev | .00036 | .00040  | .104   | .00067 | .00005  | .0459  | .00009  | .01101 |
| %RSD   | 73.273 | 49.762  | .56235 | 94.369 | 7.5889  | 3.1534 | 132.87  | 442.23 |

|    |        |         |        |        |         |        |         |         |
|----|--------|---------|--------|--------|---------|--------|---------|---------|
| #1 | .00075 | -.00108 | 18.386 | .00024 | -.00075 | 1.4894 | -.00012 | -.00529 |
| #2 | .00024 | -.00052 | 18.533 | .00118 | -.00068 | 1.4244 | -.00000 | .01027  |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 2.7743 | 2.9187 | -.00384 | .00031 | -.00911 | .0330  | .10497 | <.00000 |
| Stddev | .0049  | .0129  | .00097  | .00089 | .00020  | .0002  | .00037 | 1.0141  |
| %RSD   | .17653 | .44318 | 25.224  | 286.01 | 2.1577  | .5242  | .35196 | 95.426  |

|    |        |        |         |         |         |       |        |         |
|----|--------|--------|---------|---------|---------|-------|--------|---------|
| #1 | 2.7708 | 2.9096 | -.00452 | .00094  | -.00897 | .0328 | .10471 | -1.7797 |
| #2 | 2.7777 | 2.9279 | -.00315 | -.00032 | -.00924 | .0331 | .10523 | -.34562 |

Sample Name: J6213-05      Acquired: 12/5/2018 1:46:07      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.5820  
 Stddev      .0705  
 %RSD      4.4561

#1      1.5322  
 #2      1.6319

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4356.5 | 67914. | 4041.4 | 100.68 | 4611.3 |
| Stddev    | .2     | 1382.  | 38.9   | .49    | .8     |
| %RSD      | .00498 | 2.0344 | .96305 | .48402 | .01790 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4356.6 | 68891. | 4069.0 | 101.03 | 4610.8 |
| #2 | 4356.3 | 66938. | 4013.9 | 100.34 | 4611.9 |

Sample Name: J6213-06      Acquired: 12/5/2018 1:50:11      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |         |        |        |
|--------|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00033 | .00012 | -.00096 | .00061 | -.00150 | -.00628 | .01385 | .00000 |
| Stddev | .00093 | .00072 | .00099  | .00147 | .00033  | .01040  | .00033 | .00003 |
| %RSD   | 281.94 | 600.94 | 103.22  | 239.35 | 21.701  | 165.64  | 2.3854 | 858.66 |

|    |         |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00033 | -.00039 | -.00026 | .00165  | -.00173 | .00108  | .01362 | -.00002 |
| #2 | .00098  | .00063  | -.00165 | -.00042 | -.00127 | -.01364 | .01408 | .00003  |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00012 | 23.942 | -.00016 | .00004 | .00100 | .03306 | .00208 | 5.0218 |
| Stddev | .00004  | .256   | .00025  | .00003 | .00040 | .00053 | .00000 | .0002  |
| %RSD   | 37.308  | 1.0675 | 163.32  | 76.546 | 40.396 | 1.5943 | .11738 | .00430 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00008 | 23.761 | .00002  | .00007 | .00072 | .03344 | .00208 | 5.0216 |
| #2 | -.00015 | 24.123 | -.00033 | .00002 | .00129 | .03269 | .00208 | 5.0219 |

|        |        |         |        |        |         |        |         |         |
|--------|--------|---------|--------|--------|---------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00012 | -.00072 | 18.710 | .00070 | -.00119 | 1.4598 | -.00010 | -.00078 |
| Stddev | .00002 | .00003  | .242   | .00039 | .00003  | .0386  | .00015  | .00475  |
| %RSD   | 14.431 | 4.4387  | 1.2939 | 55.190 | 2.4512  | 2.6445 | 155.73  | 610.95  |

|    |        |         |        |        |         |        |         |         |
|----|--------|---------|--------|--------|---------|--------|---------|---------|
| #1 | .00011 | -.00069 | 18.538 | .00098 | -.00121 | 1.4325 | -.00020 | -.00414 |
| #2 | .00013 | -.00074 | 18.881 | .00043 | -.00117 | 1.4871 | .00001  | .00258  |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 2.8006 | 2.9219 | -.00418 | .00010 | -.00768 | .0320  | .10573 | <.00000 |
| Stddev | .0147  | .0315  | .00009  | .00288 | .00223  | .0017  | .00082 | .01805  |
| %RSD   | .52299 | 1.0772 | 2.2630  | 2964.8 | 29.053  | 5.233  | .77198 | 1.3177  |

|    |        |        |         |         |         |       |        |         |
|----|--------|--------|---------|---------|---------|-------|--------|---------|
| #1 | 2.7903 | 2.8996 | -.00411 | -.00194 | -.00925 | .0332 | .10516 | -1.3571 |
| #2 | 2.8110 | 2.9441 | -.00425 | .00214  | -.00610 | .0308 | .10631 | -1.3826 |

Sample Name: J6213-06      Acquired: 12/5/2018 1:50:11      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.5383  
 Stddev      .3161  
 %RSD      12.452

#1      2.3148  
 #2      2.7618

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4304.5 | 68473. | 3989.6 | 99.926 | 4565.5 |
| Stddev    | 26.1   | 82.    | 47.4   | 1.158  | 27.9   |
| %RSD      | .60557 | .11993 | 1.1893 | 1.1590 | .61068 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4322.9 | 68531. | 4023.2 | 99.107 | 4585.2 |
| #2 | 4286.1 | 68415. | 3956.1 | 100.75 | 4545.8 |

Sample Name: J6213-07      Acquired: 12/5/2018 1:54:15      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |        |         |        |        |         |
|--------|--------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00013 | -.00017 | -.00112 | .00126 | -.00095 | .00110 | .01277 | -.00005 |
| Stddev | .00146 | .00011  | .00011  | .00084 | .00061  | .00503 | .00042 | .00006  |
| %RSD   | 1140.9 | 63.810  | 10.158  | 66.964 | 63.807  | 458.43 | 3.2800 | 115.42  |

|    |         |         |         |        |         |         |        |         |
|----|---------|---------|---------|--------|---------|---------|--------|---------|
| #1 | .00116  | -.00025 | -.00120 | .00185 | -.00138 | .00466  | .01306 | -.00001 |
| #2 | -.00091 | -.00009 | -.00104 | .00066 | -.00052 | -.00246 | .01247 | -.00010 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00010 | 23.688 | -.00025 | -.00016 | .00080 | .04550 | .00283 | 4.9796 |
| Stddev | .00003  | .053   | .00005  | .00002  | .00020 | .00786 | .00000 | .0238  |
| %RSD   | 29.519  | .22373 | 20.888  | 11.011  | 24.437 | 17.268 | .09297 | .47883 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00012 | 23.650 | -.00028 | -.00017 | .00094 | .03995 | .00283 | 4.9965 |
| #2 | -.00008 | 23.725 | -.00021 | -.00014 | .00066 | .05106 | .00283 | 4.9628 |

|        |        |         |        |        |         |        |         |         |
|--------|--------|---------|--------|--------|---------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00028 | -.00094 | 19.132 | .00031 | -.00062 | 1.4666 | -.00036 | -.00665 |
| Stddev | .00023 | .00011  | .017   | .00030 | .00002  | .0202  | .00011  | .00574  |
| %RSD   | 83.452 | 11.820  | .08929 | 95.641 | 3.7905  | 1.3798 | 30.837  | 86.286  |

|    |        |         |        |        |         |        |         |         |
|----|--------|---------|--------|--------|---------|--------|---------|---------|
| #1 | .00044 | -.00102 | 19.120 | .00052 | -.00061 | 1.4523 | -.00028 | -.01071 |
| #2 | .00011 | -.00087 | 19.144 | .00010 | -.00064 | 1.4809 | -.00044 | -.00259 |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 2.8294 | 2.9097 | -.00378 | .00082 | -.00731 | .0328  | .10572 | <.00000 |
| Stddev | .0053  | .0197  | .00062  | .00047 | .00093  | .0005  | .00013 | .12526  |
| %RSD   | .18739 | .67543 | 16.319  | 58.142 | 12.764  | 1.563  | .12521 | 13.729  |

|    |        |        |         |        |         |       |        |         |
|----|--------|--------|---------|--------|---------|-------|--------|---------|
| #1 | 2.8331 | 2.9236 | -.00335 | .00115 | -.00665 | .0325 | .10563 | -.82380 |
| #2 | 2.8256 | 2.8958 | -.00422 | .00048 | -.00797 | .0332 | .10581 | -1.0009 |

Sample Name: J6213-07      Acquired: 12/5/2018 1:54:15      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.9384  
Stddev      .1563  
%RSD      8.0621

#1      1.8279  
#2      2.0489

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4318.3 | 67618. | 4026.1 | 101.31 | 4575.8 |
| Stddev    | 4.5    | 116.   | 4.0    | 1.84   | 3.0    |
| %RSD      | .10482 | .17124 | .09841 | 1.8191 | .06462 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4321.5 | 67537. | 4028.9 | 102.61 | 4573.8 |
| #2 | 4315.1 | 67700. | 4023.3 | 100.00 | 4577.9 |

Sample Name: J6213-08      Acquired: 12/5/2018 1:58:19      Type: Unk  
Method: P4-ICP2(v2628)      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    | .00062 | .00034 | -.00162 | .00007 | -.00176 | .00970 | .01288 | -.00004 |
| Stddev | .00071 | .00007 | .00115  | .00084 | .00044  | .01586 | .00028 | .00003  |
| %RSD   | 113.58 | 21.797 | 70.563  | 1222.2 | 25.136  | 163.48 | 2.1479 | 64.787  |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00112 | .00039 | -.00243 | .00066  | -.00145 | -.00151 | .01308 | -.00006 |
| #2 | .00012 | .00029 | -.00081 | -.00052 | -.00208 | .02092  | .01269 | -.00002 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00012 | 23.712 | -.00018 | -.00004 | .00073 | .04164 | .00279 | 4.8770 |
| Stddev | .00001  | .178   | .00024  | .00005  | .00050 | .01460 | .00003 | .0383  |
| %RSD   | 10.291  | .75065 | 136.07  | 101.23  | 68.378 | 35.063 | 1.0741 | .78561 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00011 | 23.586 | -.00001 | -.00001 | .00038 | .05197 | .00277 | 4.8499 |
| #2 | -.00013 | 23.838 | -.00035 | -.00008 | .00108 | .03132 | .00281 | 4.9041 |

|        |        |         |        |        |         |        |         |         |
|--------|--------|---------|--------|--------|---------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00044 | -.00065 | 17.976 | .00037 | -.00111 | 1.3997 | -.00012 | -.00451 |
| Stddev | .00043 | .00069  | .064   | .00009 | .00009  | .0106  | .00005  | .00579  |
| %RSD   | 96.916 | 105.36  | .35770 | 24.034 | 8.3686  | .75526 | 45.019  | 128.35  |

|    |        |         |        |        |         |        |         |         |
|----|--------|---------|--------|--------|---------|--------|---------|---------|
| #1 | .00075 | -.00114 | 17.930 | .00031 | -.00104 | 1.3922 | -.00008 | -.00861 |
| #2 | .00014 | -.00017 | 18.021 | .00043 | -.00118 | 1.4071 | -.00016 | -.00042 |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 2.7638 | 2.9222 | -.00437 | .00299 | -.00812 | .0320  | .10468 | <.00000 |
| Stddev | .0231  | .0036  | .00064  | .00152 | .00187  | .0019  | .00066 | .21645  |
| %RSD   | .83395 | .12258 | 14.725  | 50.775 | 23.009  | 5.863  | .63483 | 11.994  |

|    |        |        |         |        |         |       |        |         |
|----|--------|--------|---------|--------|---------|-------|--------|---------|
| #1 | 2.7475 | 2.9196 | -.00483 | .00191 | -.00680 | .0307 | .10421 | -1.9577 |
| #2 | 2.7801 | 2.9247 | -.00392 | .00406 | -.00944 | .0333 | .10515 | -1.6516 |



Sample Name: J6213-08      Acquired: 12/5/2018 1:58:19      Type: Unk  
 Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.1214  
 Stddev      .1393  
 %RSD      6.5664

#1      2.2199  
 #2      2.0229

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4323.4 | 68346. | 4054.1 | 99.594 | 4580.4 |
| Stddev    | 8.9    | 33.    | 7.5    | 1.752  | 5.8    |
| %RSD      | .20643 | .04824 | .18554 | 1.7588 | .12710 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4329.7 | 68369. | 4059.4 | 98.355 | 4584.5 |
| #2 | 4317.1 | 68323. | 4048.8 | 100.83 | 4576.3 |

Sample Name: CCV14      Acquired: 12/5/2018 2:02:22      Type: Unk  
Method: P4-ICP2(v2628)      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    | F 4.4162 | 4.6908 | F 4.3632 | 4.5018   | F 4.3961 | 9.3531 | 9.8475 | .24400   |
| Stddev | .0050    | .0063  | .0090    | .0026    | .0020    | .0780  | .0936  | .00074   |
| %RSD   | .11310   | .13318 | .20647   | .05828   | .04494   | .83402 | .95057 | .30392   |
| #1     | 4.4127   | 4.6953 | 4.3696   | 4.4999   | 4.3975   | 9.2980 | 9.9137 | .24453   |
| #2     | 4.4197   | 4.6864 | 4.3569   | 4.5036   | 4.3947   | 9.4083 | 9.7813 | .24348   |
| Elem   | Cd2265   | Ca3736 | Cr2677   | Co2286   | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.2752   | 24.745 | .99890   | F 2.1864 | 1.1858   | 4.5870 | 2.4991 | 23.602   |
| Stddev | .0040    | .051   | .00455   | .0044    | .0001    | .0415  | .0008  | .017     |
| %RSD   | .17671   | .20785 | .45596   | .20094   | .00758   | .90357 | .03151 | .07390   |
| #1     | 2.2781   | 24.782 | 1.0021   | 2.1896   | 1.1859   | 4.6163 | 2.4997 | 23.589   |
| #2     | 2.2724   | 24.709 | .99568   | 2.1833   | 1.1858   | 4.5577 | 2.4986 | 23.614   |
| Elem   | Ni2316   | Ag3280 | Na5895   | V_2924   | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.3228   | 1.1826 | 24.151   | 2.3408   | 2.2919   | 25.028 | 4.5657 | 5.2213   |
| Stddev | .0026    | .0050  | .225     | .0082    | .0178    | .212   | .0009  | .0097    |
| %RSD   | .11133   | .42179 | .93334   | .35209   | .77755   | .84699 | .01966 | .18569   |
| #1     | 2.3246   | 1.1861 | 24.310   | 2.3466   | 2.3045   | 25.178 | 4.5651 | 5.2144   |
| #2     | 2.3209   | 1.1790 | 23.991   | 2.3349   | 2.2793   | 24.878 | 4.5663 | 5.2281   |
| Elem   | S_1820   | Si2881 | Sn1899   | Ti3361   | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | F 4.2895 | 4.9153 | F 4.4964 | 4.7424   | 4.9781   | 4.550  | 4.7674 | F 2.0429 |
| Stddev | .0087    | .0411  | .0027    | .0073    | .0515    | .006   | .0433  | .1236    |
| %RSD   | .20241   | .83629 | .06097   | .15322   | 1.0355   | .1280  | .90900 | 6.0522   |
| #1     | 4.2956   | 4.9443 | 4.4944   | 4.7476   | 5.0145   | 4.554  | 4.7980 | 2.1304   |
| #2     | 4.2833   | 4.8862 | 4.4983   | 4.7373   | 4.9416   | 4.546  | 4.7367 | 1.9555   |

Sample Name: CCV14      Acquired: 12/5/2018 2:02:22      Type: Unk  
Method: P4-ICP2(v2628)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.7690  
Stddev      .2161  
%RSD      5.7326

#1      3.9218  
#2      3.6162

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3978.3 | 62417. | 3798.7 | 91.108 | 3882.4 |
| Stddev    | 12.3   | 86.    | 31.2   | .983   | 18.0   |
| %RSD      | .30868 | .13774 | .82108 | 1.0786 | .46364 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3969.7 | 62356. | 3776.6 | 90.414 | 3869.7 |
| #2 | 3987.0 | 62478. | 3820.7 | 91.803 | 3895.1 |

Sample Name: CCB14      Acquired: 12/5/2018 2:06:09      Type: Unk  
 Method: P4-ICP2(v2628)      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    | .00153 | .00067 | -.00029 | .00076 | .00024 | -.00606 | .00120 |
| Stddev | .00097 | .00002 | .00045  | .00119 | .00030 | .00308  | .00011 |
| %RSD   | 63.684 | 2.7170 | 152.52  | 156.27 | 127.80 | 50.747  | 9.2012 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .00222 | .00068 | -.00061 | .00160  | .00002 | -.00389 | .00112 |
| #2 | .00084 | .00066 | .00002  | -.00008 | .00045 | -.00824 | .00128 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00009 | -.00004 | -.02875 | -.00011 | -.00008 | -.00065 | -.00512 |
| Stddev | .00001  | .00001  | .00324  | .00007  | .00010  | .00005  | .00987  |
| %RSD   | 8.2967  | 20.689  | 11.274  | 60.451  | 120.04  | 7.0313  | 192.94  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00008 | -.00004 | -.03104 | -.00016 | -.00001 | -.00061 | .00186  |
| #2 | -.00009 | -.00003 | -.02645 | -.00007 | -.00015 | -.00068 | -.01210 |

|        |         |        |         |         |        |        |         |
|--------|---------|--------|---------|---------|--------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00004 | .01266 | -.00018 | -.00043 | .10279 | .00003 | -.00116 |
| Stddev | .00003  | .01862 | .00003  | .00058  | .00017 | .00024 | .00002  |
| %RSD   | 80.247  | 147.00 | 18.604  | 134.32  | .16976 | 722.85 | 1.6178  |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.00002 | -.00050 | -.00021 | -.00085 | .10267 | -.00014 | -.00115 |
| #2 | -.00007 | .02583  | -.00016 | -.00002 | .10292 | .00020  | -.00118 |

|        |         |        |         |         |         |         |         |
|--------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.09067 | .00023 | -.00147 | -.00239 | -.00084 | -.00144 | -.00024 |
| Stddev | .00604  | .00001 | .02401  | .00065  | .00073  | .00007  | .00047  |
| %RSD   | 6.6665  | 5.4544 | 1630.3  | 27.160  | 86.275  | 4.7084  | 193.91  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.08640 | .00024 | .01550  | -.00193 | -.00136 | -.00149 | .00009  |
| #2 | -.09494 | .00022 | -.01845 | -.00285 | -.00033 | -.00139 | -.00058 |

Sample Name: CCB14      Acquired: 12/5/2018 2:06:09      Type: Unk  
 Method: P4-ICP2(v2628)      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    | .00296 | .0031  | .00004 | F<.00000 | F 1.1378 |
| Stddev | .00123 | .0006  | .00000 | .41007   | .2572    |
| %RSD   | 41.487 | 20.50  | 5.2738 | 55.233   | 22.603   |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | .00383 | .0035 | .00004 | -1.0324 | .95594 |
| #2 | .00209 | .0026 | .00003 | -.45247 | 1.3197 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4150.5 | 66134. | 3786.3 | 93.254 | 4477.0 |
| Stddev    | 11.9   | 91.    | 17.5   | .065   | 6.7    |
| %RSD      | .28633 | .13739 | .46298 | .06951 | .15062 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4142.1 | 66198. | 3773.9 | 93.208 | 4472.2 |
| #2 | 4158.9 | 66069. | 3798.7 | 93.300 | 4481.7 |