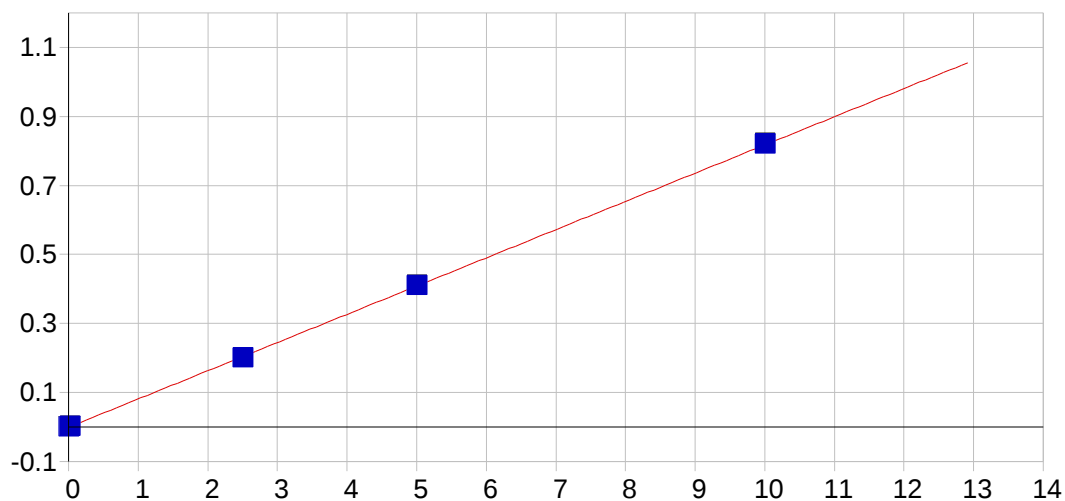


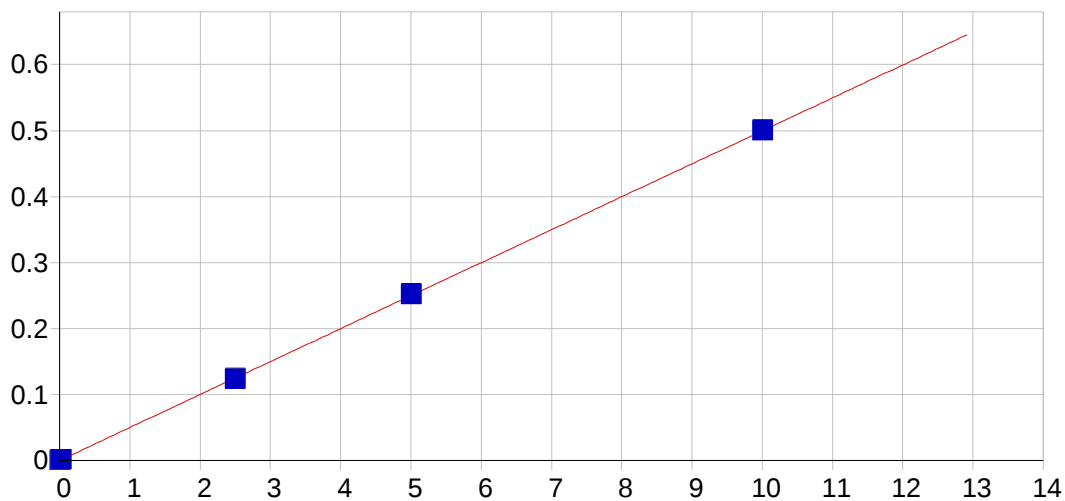


As 189.042 {478}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000431 Re-Slope: 1.000000  
 A1 (Gain): 0.081777 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999959 Status: OK.  
 Std Error of Est: 0.000018  
 Predicted MDL: 0.003633  
 Predicted MQL: 0.012110

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00043 | .000    | 1        |
| S1        | .02000       | .02269      | .003       | 13.5    | .00142  | .000    | 1        |
| S3        | 2.5000       | 2.4520      | -.048      | -1.92   | .20007  | .000    | 1        |
| S4        | 5.0000       | 5.0166      | .017       | .332    | .40979  | .000    | 1        |
| S5        | 10.000       | 10.029      | .029       | .287    | .81964  | .001    | 1        |



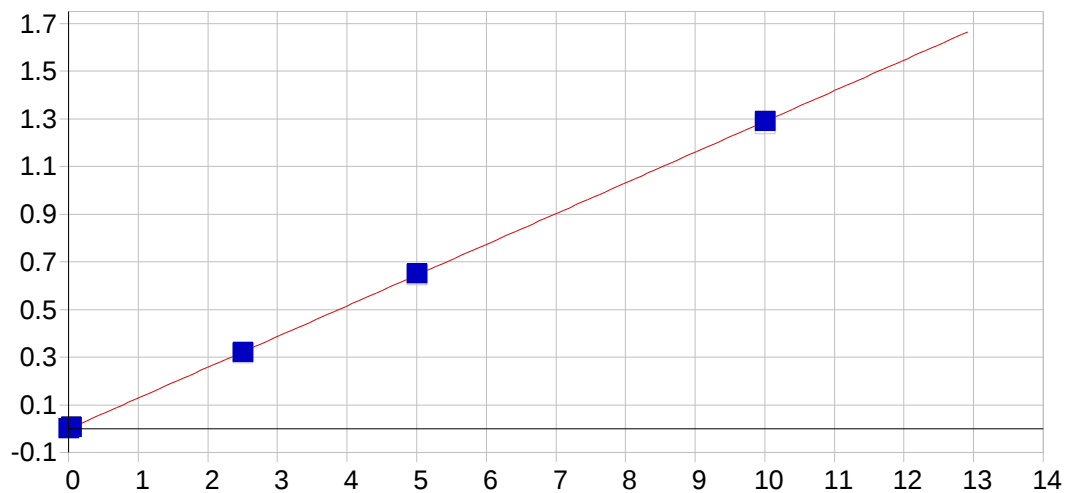
As 189.042 {479}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000049 Re-Slope: 1.000000

A1 (Gain): 0.049952 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999939 Status: OK.  
 Std Error of Est: 0.000013  
 Predicted MDL: 0.003747  
 Predicted MQL: 0.012491

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00005 | .000    | 1        |
| S1        | .02000       | .02530      | .005       | 26.5    | .00131 | .000    | 1        |
| S3        | 2.5000       | 2.4642      | -.036      | -1.43   | .12314 | .001    | 1        |
| S4        | 5.0000       | 5.0320      | .032       | .640    | .25141 | .001    | 1        |
| S5        | 10.000       | 9.9985      | -.002      | -.015   | .49949 | .001    | 1        |

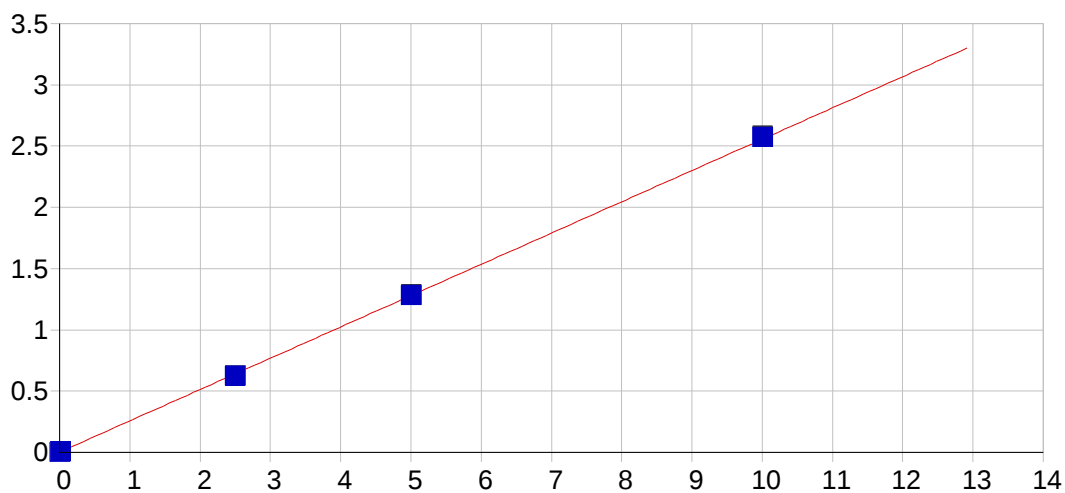


TI 190.856 {477}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000617 Re-Slope: 1.000000  
 A1 (Gain): 0.128934 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999967 Status: OK.  
 Std Error of Est: 0.000035  
 Predicted MDL: 0.001694  
 Predicted MQL: 0.005646

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00062 | .000    | 1        |
| S1        | .04000       | .04455      | .005       | 11.4    | .00499  | .000    | 1        |
| S3        | 2.5000       | 2.4718      | -.028      | -1.13   | .31477  | .000    | 1        |
| S4        | 5.0000       | 5.0376      | .038       | .751    | .64228  | .001    | 1        |
| S5        | 10.000       | 9.9862      | -.014      | -.138   | 1.2737  | .002    | 1        |

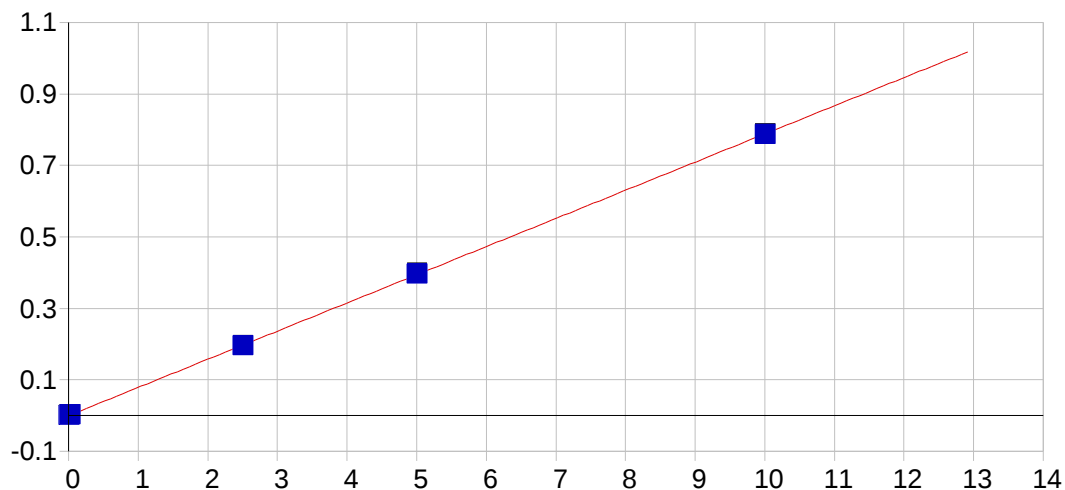


Pb 220.353 {453}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002467 Re-Slope: 1.000000  
 A1 (Gain): 0.255368 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999935 Status: OK.  
 Std Error of Est: 0.000054  
 Predicted MDL: 0.001330  
 Predicted MQL: 0.004435

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00247 | .000    | 1        |
| S1        | .01200       | .01287      | .001       | 7.26    | .00570 | .000    | 1        |
| S3        | 2.5000       | 2.4328      | -.067      | -2.69   | .62284 | .000    | 1        |
| S4        | 5.0000       | 5.0034      | .003       | .069    | 1.2784 | .003    | 1        |
| S5        | 10.000       | 10.063      | .063       | .629    | 2.5687 | .008    | 1        |



Se 196.090 {472}

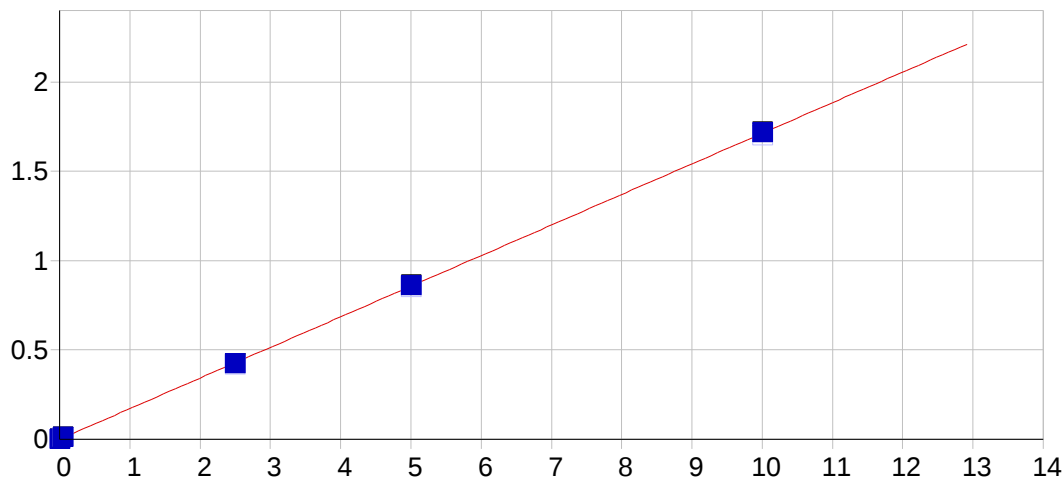
Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000069 Re-Slope: 1.000000  
 A1 (Gain): 0.078822 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999987  
 Std Error of Est: 0.000010  
 Predicted MDL: 0.003558  
 Predicted MQL: 0.011861

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00007 | .000    | 1        |
| S1        | .02000       | .02060      | .001       | 3.01    | .00156  | .000    | 1        |
| S3        | 2.5000       | 2.4833      | -.017      | -.666   | .19565  | .000    | 1        |
| S4        | 5.0000       | 5.0376      | .038       | .753    | .39696  | .000    | 1        |
| S5        | 10.000       | 9.9784      | -.022      | -.216   | .78635  | .002    | 1        |



Sb 206.833 {463}

Date of Fit: 10/22/2018 11:03:20

Type of Fit: Linear

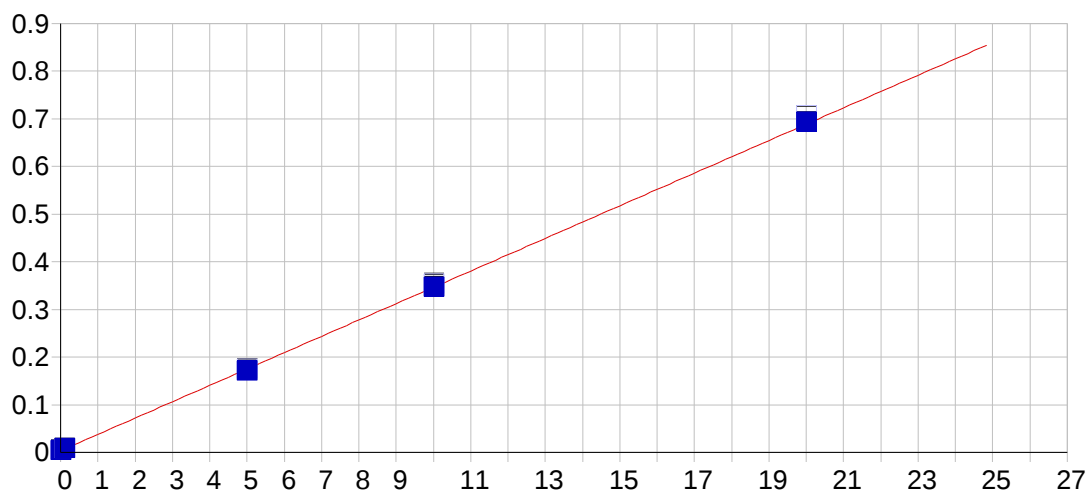
Weighting: 1/Conc

A0 (Offset): 0.000686  
 A1 (Gain): 0.171237  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999970  
 Std Error of Est: 0.000050  
 Predicted MDL: 0.001980  
 Predicted MQL: 0.006601

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    | .00069 | .000    | 1        |
| S1        | .05000       | .05381      | .004       | 7.61    | .00969 | .000    | 1        |
| S3        | 2.5000       | 2.4604      | -.040      | -1.58   | .41719 | .000    | 1        |
| S4        | 5.0000       | 5.0203      | .020       | .406    | .85072 | .002    | 1        |
| S5        | 10.000       | 10.016      | .016       | .156    | 1.6965 | .003    | 1        |

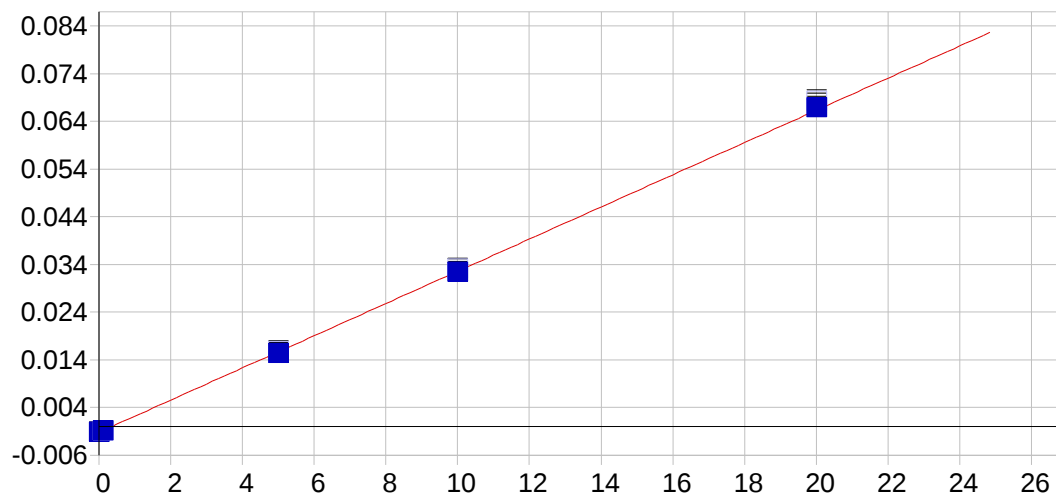


AI 308.215 {109}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003621 Re-Slope: 1.000000  
 A1 (Gain): 0.034267 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999942 Status: OK.  
 Std Error of Est: 0.000029  
 Predicted MDL: 0.003644  
 Predicted MQL: 0.012147

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00362 | .000    | 1        |
| S1        | .10000       | .11029      | .010       | 10.3    | .00764 | .000    | 1        |
| S3        | 5.0000       | 4.8854      | -.115      | -2.29   | .17444 | .000    | 1        |
| S4        | 10.000       | 9.9968      | -.003      | -.032   | .35301 | .001    | 1        |
| S5        | 20.000       | 20.107      | .107       | .535    | .70628 | .000    | 1        |



AI 309.271 {109}

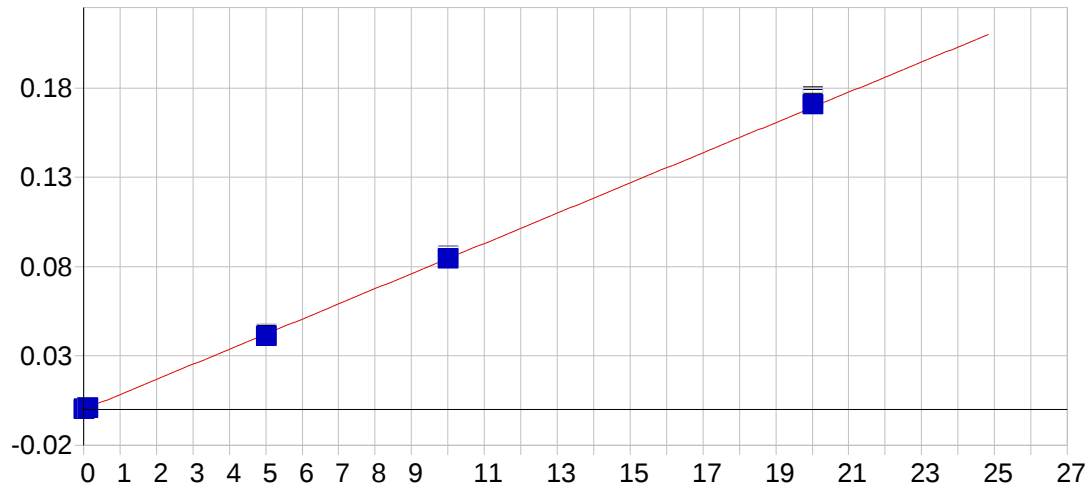
Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001174 Re-Slope: 1.000000  
 A1 (Gain): 0.003375 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999908  
 Std Error of Est: 0.000004  
 Predicted MDL: 0.031421  
 Predicted MQL: 0.104737

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | -.00117 | .000    | 1        |
| S1        | .10000       | .08057      | -.019      | -19.4   | -.00088 | .000    | 1        |
| S3        | 5.0000       | 4.9107      | -.089      | -1.79   | .01574  | .000    | 1        |
| S4        | 10.000       | 9.9575      | -.043      | -.425   | .03311  | .000    | 1        |
| S5        | 20.000       | 20.152      | .152       | .761    | .06819  | .000    | 1        |



Date of Fit: 10/22/2018 11:03:20

Type of Fit: Linear

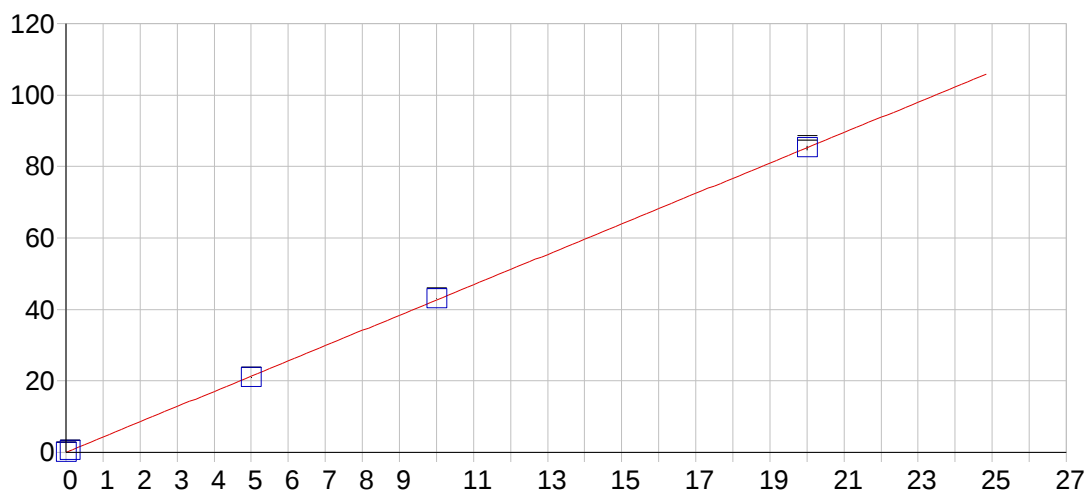
Weighting: 1/Conc

A0 (Offset): -0.000045  
 A1 (Gain): 0.008458  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999919  
 Std Error of Est: 0.000008  
 Predicted MDL: 0.016140  
 Predicted MQL: 0.053800

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    | -.00004 | .000    | 1        |
| S1        | .10000       | .09982      | -.000      | -.177   | .00086  | .000    | 1        |
| S3        | 5.0000       | 4.8594      | -.141      | -2.81   | .04190  | .000    | 1        |
| S4        | 10.000       | 9.9546      | -.045      | -.454   | .08583  | .000    | 1        |
| S5        | 20.000       | 20.186      | .186       | .931    | .17406  | .001    | 1        |

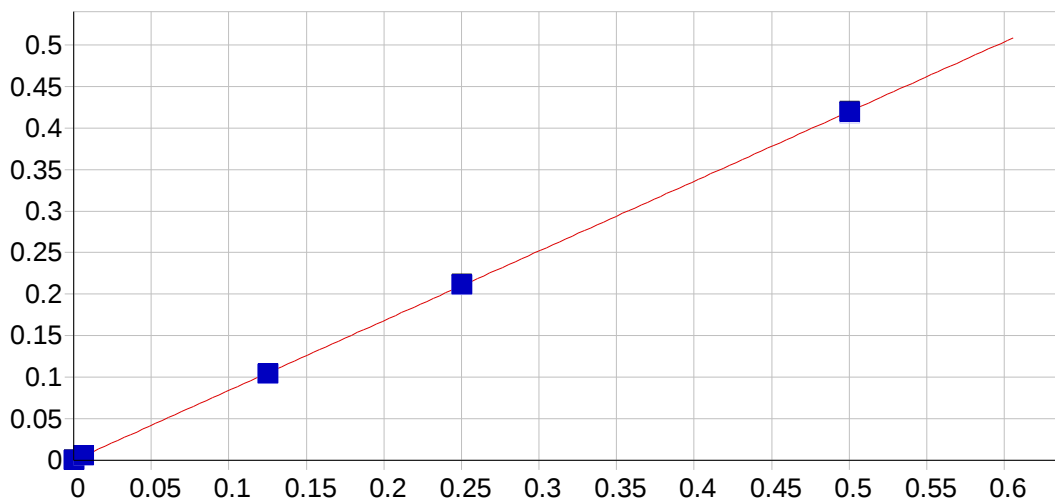


Ba 493.409 { 68}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.043376 Re-Slope: 1.000000  
 A1 (Gain): 4.260100 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999962 Status: OK.  
 Std Error of Est: 0.002855  
 Predicted MDL: 0.000723  
 Predicted MQL: 0.002408

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .04335 | .000    | 1        |
| S1        | .10000       | .10660      | .007       | 6.60    | .49749 | .009    | 1        |
| S3        | 5.0000       | 4.9175      | -.083      | -1.65   | 20.992 | .011    | 1        |
| S5        | 20.000       | 19.982      | -.018      | -.090   | 85.168 | .601    | 1        |
| S4        | 10.000       | 10.094      | .094       | .940    | 43.045 | .112    | 1        |



Be 234.861 {144}

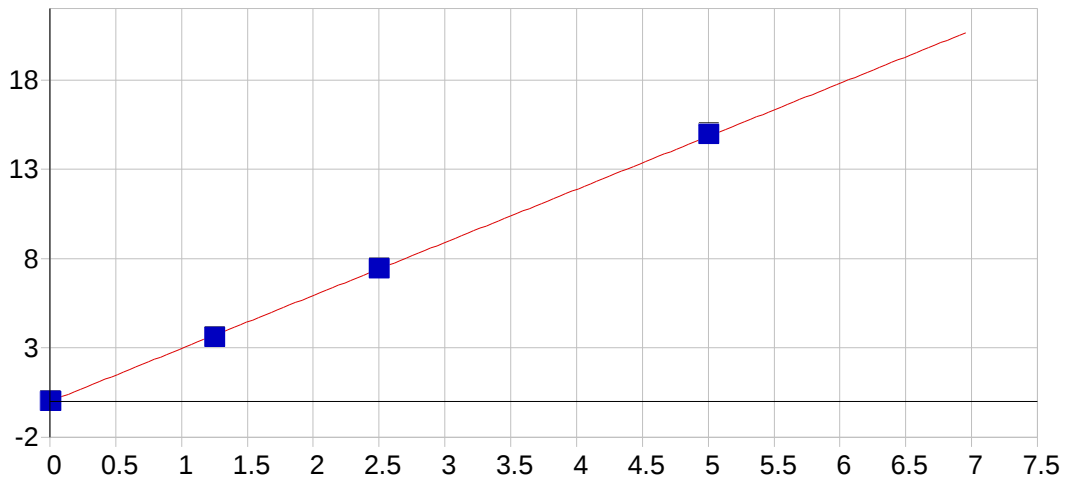
Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000152 Re-Slope: 1.000000  
 A1 (Gain): 0.839158 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999977  
 Std Error of Est: 0.000017  
 Predicted MDL: 0.000091  
 Predicted MQL: 0.000305

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00015 | .000    | 1        |
| S1        | .00600       | .00626      | .000       | 4.25    | .00535 | .000    | 1        |
| S3        | .12500       | .12366      | -.001      | -1.07   | .10326 | .000    | 1        |
| S4        | .25000       | .25180      | .002       | .721    | .21013 | .000    | 1        |
| S5        | .50000       | .49929      | -.001      | -.143   | .41649 | .001    | 1        |

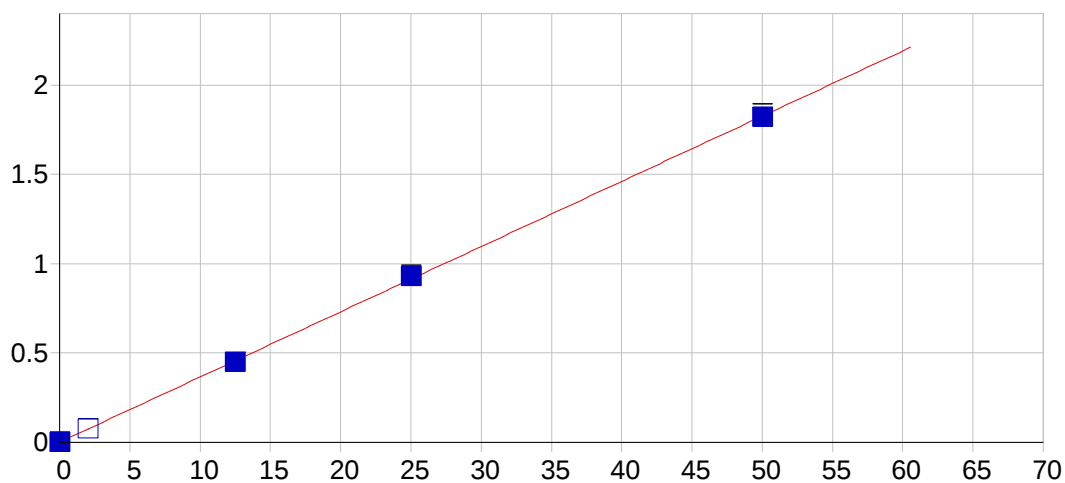


Cd 226.502 {449}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000722 Re-Slope: 1.000000  
 A1 (Gain): 2.968814 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999893 Status: OK.  
 Std Error of Est: 0.000407  
 Predicted MDL: 0.000121  
 Predicted MQL: 0.000403

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00072 | .000    | 1        |
| S1        | .00600       | .00592      | -.000      | -1.30   | .01689  | .000    | 1        |
| S3        | 1.2500       | 1.2058      | -.044      | -3.54   | 3.5798  | .009    | 1        |
| S4        | 2.5000       | 2.5053      | .005       | .213    | 7.4388  | .018    | 1        |
| S5        | 5.0000       | 5.0390      | .039       | .780    | 14.962  | .043    | 1        |

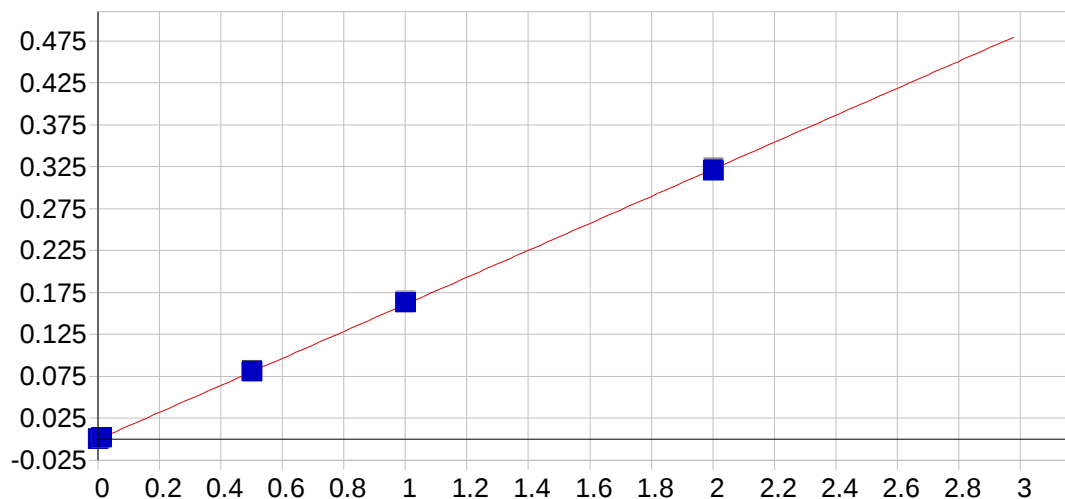


Ca 373.690 { 90}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000851 Re-Slope: 1.000000  
 A1 (Gain): 0.036503 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999948 Status: OK.  
 Std Error of Est: 0.000203  
 Predicted MDL: 0.024869  
 Predicted MQL: 0.082895

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.0209      | .021       | 1.04    | .07462 | .001    | 1        |
| S0        | .00000       | -.00001     | -.000      | .000    | .00085 | .000    | 1        |
| S3        | 12.500       | 12.291      | -.209      | -1.67   | .44974 | .000    | 1        |
| S4        | 25.000       | 25.354      | .354       | 1.41    | .92681 | .007    | 1        |
| S5        | 50.000       | 49.835      | -.165      | -.330   | 1.8209 | .017    | 1        |



Cr 267.716 {126}

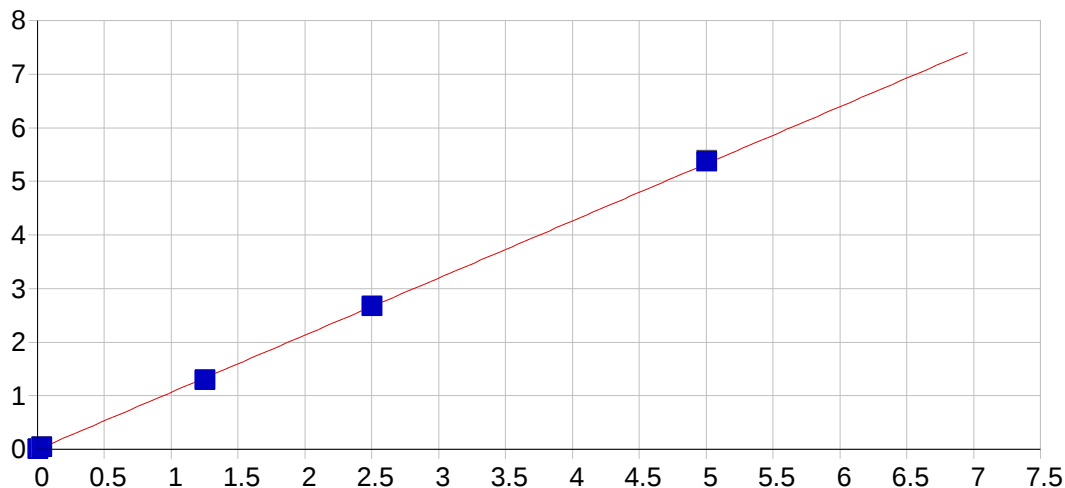
Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000085 Re-Slope: 1.000000  
 A1 (Gain): 0.161039 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999957  
 Std Error of Est: 0.000012  
 Predicted MDL: 0.000621  
 Predicted MQL: 0.002069

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00008 | .000    | 1        |
| S1        | .01000       | .01046      | .000       | 4.56    | .00161  | .000    | 1        |
| S3        | .50000       | .50051      | .001       | .103    | .08112  | .000    | 1        |
| S4        | 1.0000       | 1.0135      | .013       | 1.35    | .16432  | .000    | 1        |
| S5        | 2.0000       | 1.9856      | -.014      | -.721   | .32207  | .001    | 1        |



Co 228.616 {447}

Date of Fit: 10/22/2018 11:03:20

Type of Fit: Linear

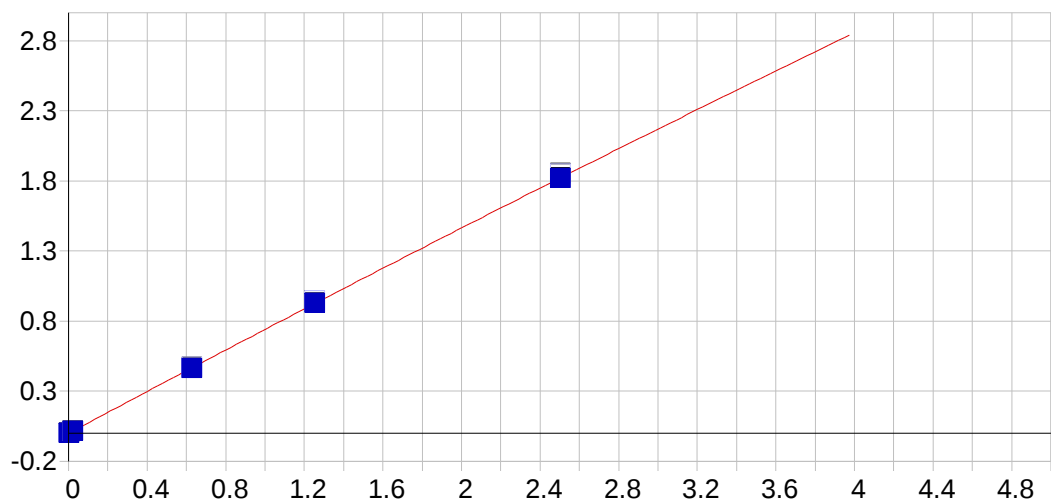
Weighting: 1/Conc

A0 (Offset): 0.000068  
 A1 (Gain): 1.065356  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999874  
 Std Error of Est: 0.000354  
 Predicted MDL: 0.000305  
 Predicted MQL: 0.001017

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    | .00006 | .000    | 1        |
| S1        | .03000       | .03330      | .003       | 11.0    | .03533 | .000    | 1        |
| S3        | 1.2500       | 1.2058      | -.044      | -3.54   | 1.2857 | .002    | 1        |
| S4        | 2.5000       | 2.5038      | .004       | .154    | 2.6696 | .009    | 1        |
| S5        | 5.0000       | 5.0371      | .037       | .742    | 5.3705 | .016    | 1        |

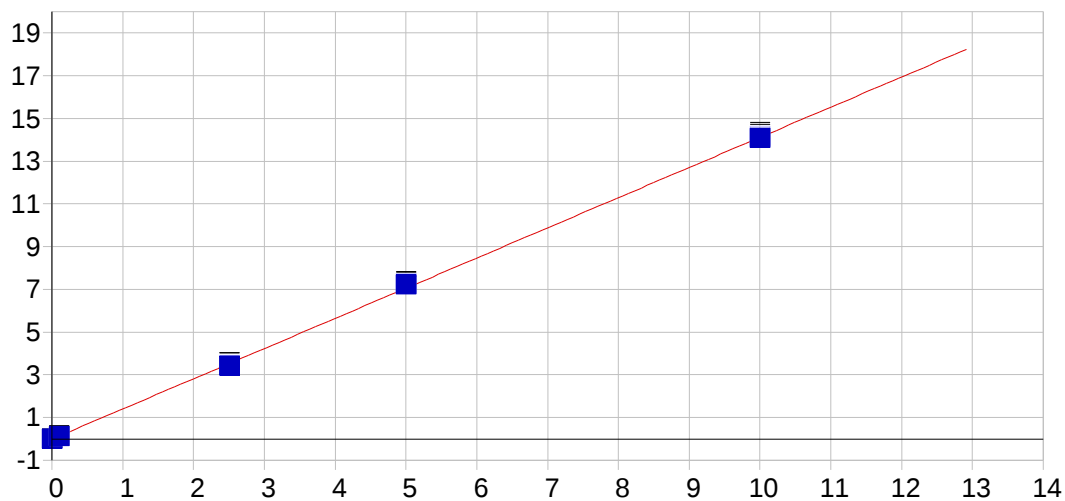


Cu 224.700 {450}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): -0.000599 Re-Slope: 1.000000  
 A1 (Gain): 0.750997 Y-int: 0.000000  
 A2 (Curvature): -0.009139  
 n (Exponent): 1.000000  
 Correlation: 0.999985 Status: OK.  
 Std Error of Est: 0.000060  
 Predicted MDL: 0.000597  
 Predicted MQL: 0.001990

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00060 | .000    | 1        |
| S1        | .02000       | .02077      | .001       | 3.84    | .01526  | .000    | 1        |
| S3        | .62500       | .61907      | -.006      | -.949   | .46915  | .001    | 1        |
| S4        | 1.2500       | 1.2575      | .007       | .598    | .94598  | .000    | 1        |
| S5        | 2.5000       | 2.4977      | -.002      | -.092   | 1.8515  | .002    | 1        |



Fe 240.488 {140}

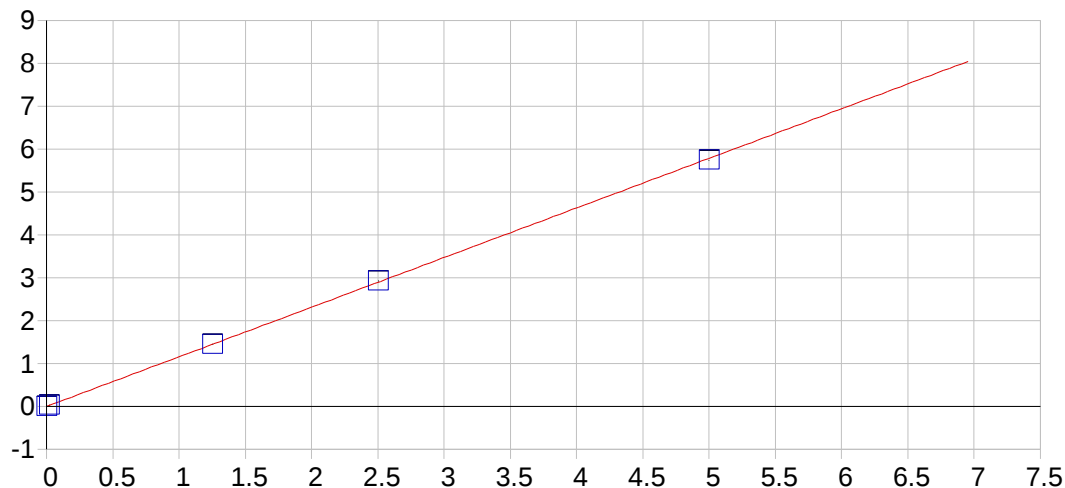
Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.008706 Re-Slope: 1.000000  
 A1 (Gain): 1.412627 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999834  
 Std Error of Est: 0.001399  
 Predicted MDL: 0.008744  
 Predicted MQL: 0.029146

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | -.00869 | .000    | 1        |
| S1        | .10000       | .09153      | -.008      | -8.47   | .12128  | .014    | 1        |
| S3        | 2.5000       | 2.4233      | -.077      | -3.07   | 3.4322  | .125    | 1        |
| S4        | 5.0000       | 5.1167      | .117       | 2.33    | 7.2547  | .106    | 1        |
| S5        | 10.000       | 9.9686      | -.031      | -.314   | 14.144  | .189    | 1        |



Mn 257.610 {131}

Date of Fit: 10/22/2018 11:03:20

Type of Fit: Linear

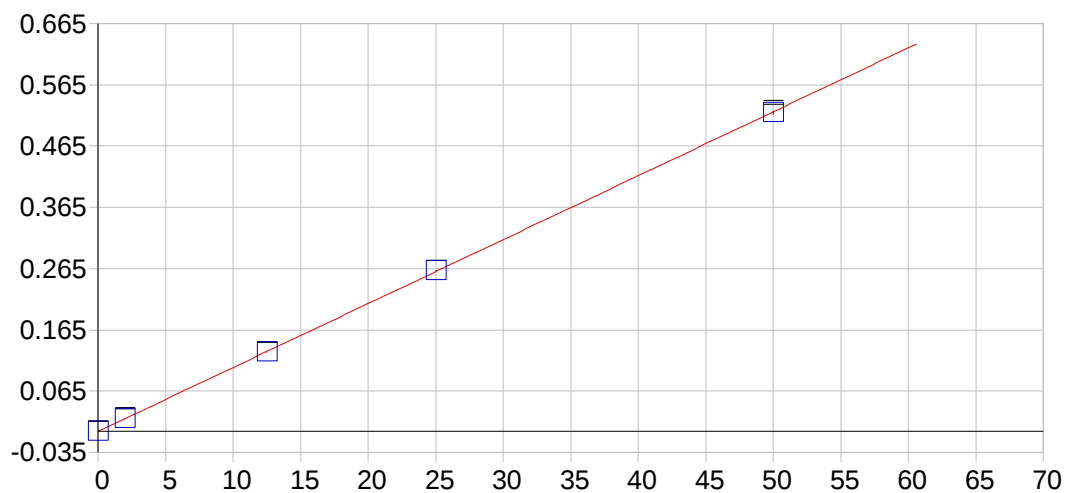
Weighting: 1/Conc

A0 (Offset): -0.000016  
 A1 (Gain): 1.157183  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999941  
 Std Error of Est: 0.000214  
 Predicted MDL: 0.000084  
 Predicted MQL: 0.000278

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    | -.00002 | .000    | 1        |
| S1        | .02000       | .02257      | .003       | 12.8    | .02610  | .001    | 1        |
| S3        | 1.2500       | 1.2556      | .006       | .450    | 1.4530  | .002    | 1        |
| S4        | 2.5000       | 2.5306      | .031       | 1.22    | 2.9283  | .001    | 1        |
| S5        | 5.0000       | 4.9612      | -.039      | -.775   | 5.7410  | .010    | 1        |

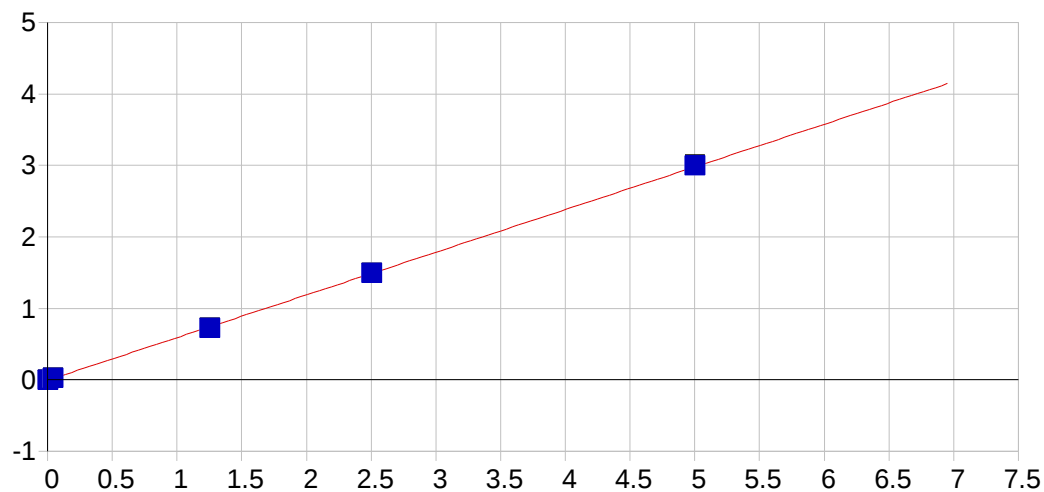


Mg 279.079 {121}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000826 Re-Slope: 1.000000  
 A1 (Gain): 0.010436 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999986 Status: OK.  
 Std Error of Est: 0.000030  
 Predicted MDL: 0.048175  
 Predicted MQL: 0.160582

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.0372      | .037       | 1.86    | .02043  | .001    | 1        |
| S0        | .00000       | -.00003     | -.000      | .000    | -.00083 | .000    | 1        |
| S3        | 12.500       | 12.406      | -.094      | -.753   | .12864  | .000    | 1        |
| S4        | 25.000       | 25.155      | .155       | .619    | .26168  | .000    | 1        |
| S5        | 50.000       | 49.902      | -.098      | -.195   | .51995  | .003    | 1        |



Ni 231.604 {445}

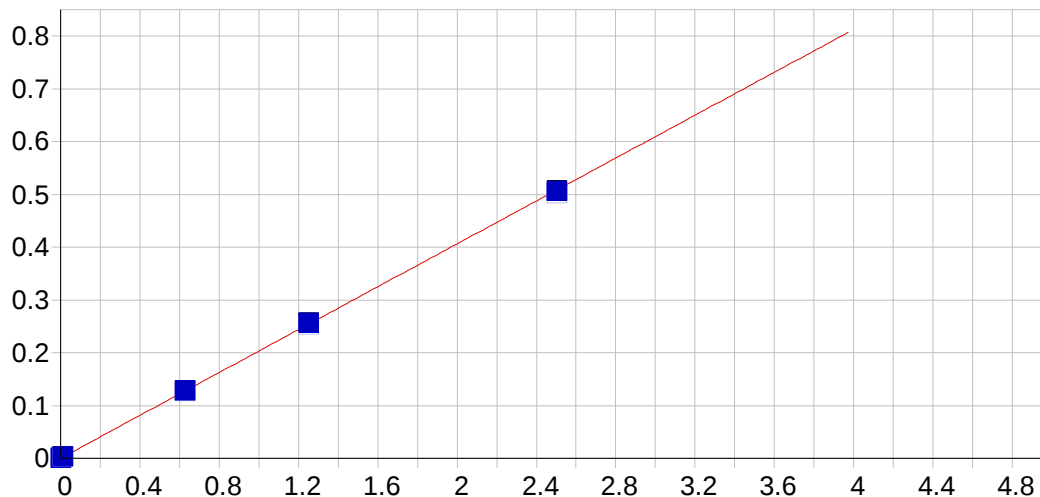
Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.005937 Re-Slope: 1.000000  
 A1 (Gain): 0.597058 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999932  
 Std Error of Est: 0.000168  
 Predicted MDL: 0.000574  
 Predicted MQL: 0.001913

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00594 | .000    | 1        |
| S1        | .04000       | .04371      | .004       | 9.28    | .02018  | .000    | 1        |
| S3        | 1.2500       | 1.2200      | -.030      | -2.40   | .72330  | .000    | 1        |
| S4        | 2.5000       | 2.5008      | .001       | .033    | 1.4888  | .004    | 1        |
| S5        | 5.0000       | 5.0254      | .025       | .509    | 2.9978  | .009    | 1        |



Ag 328.068 {103}

Date of Fit: 10/22/2018 11:03:20

Type of Fit: Linear

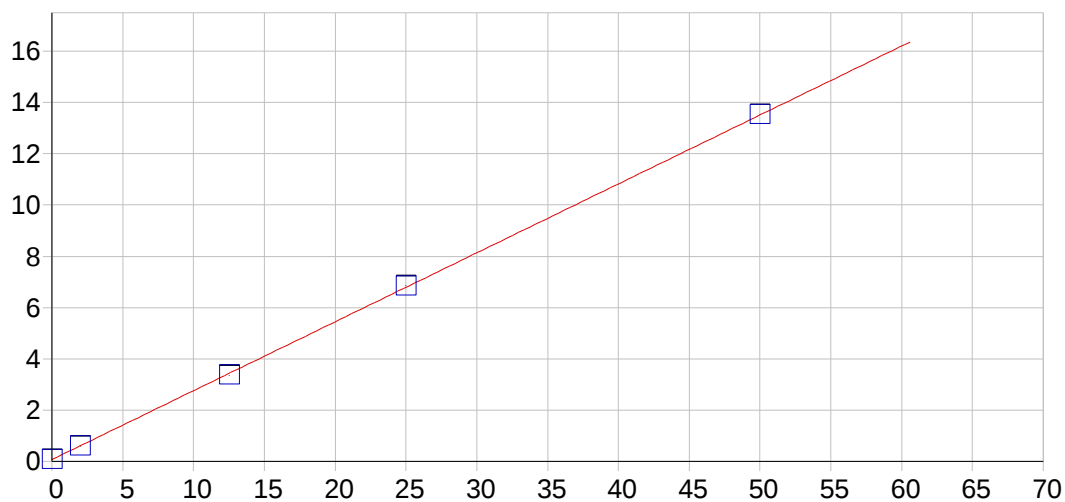
Weighting: 1/Conc

A0 (Offset): 0.000082  
 A1 (Gain): 0.203129  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999989  
 Std Error of Est: 0.000008  
 Predicted MDL: 0.000735  
 Predicted MQL: 0.002450

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    | .00008 | .000    | 1        |
| S1        | .01000       | .01032      | .000       | 3.24    | .00214 | .000    | 1        |
| S3        | .62500       | .62527      | .000       | .043    | .12565 | .000    | 1        |
| S4        | 1.2500       | 1.2583      | .008       | .664    | .25280 | .000    | 1        |
| S5        | 2.5000       | 2.4911      | -.009      | -.355   | .50034 | .001    | 1        |

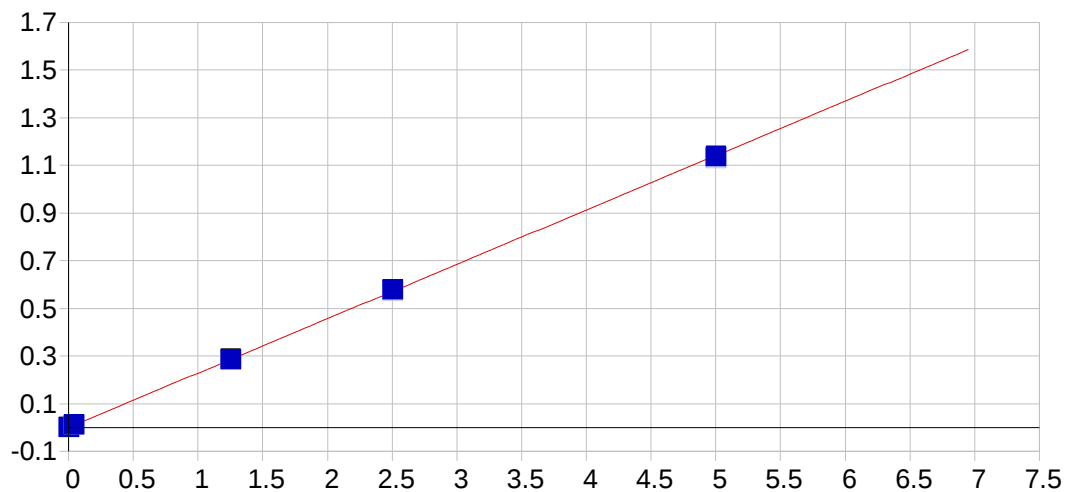


Na 589.592 { 57}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.069153 Re-Slope: 1.000000  
 A1 (Gain): 0.268886 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999959 Status: OK.  
 Std Error of Est: 0.001327  
 Predicted MDL: 0.010934  
 Predicted MQL: 0.036447

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 1.9886      | -.011      | -.570   | .60386 | .003    | 1        |
| S0        | .00000       | .00003      | .000       | .000    | .06916 | .002    | 1        |
| S3        | 12.500       | 12.242      | -.258      | -2.06   | 3.3609 | .016    | 1        |
| S4        | 25.000       | 25.217      | .217       | .868    | 6.8497 | .006    | 1        |
| S5        | 50.000       | 50.052      | .052       | .104    | 13.527 | .004    | 1        |



V 292.402 {115}

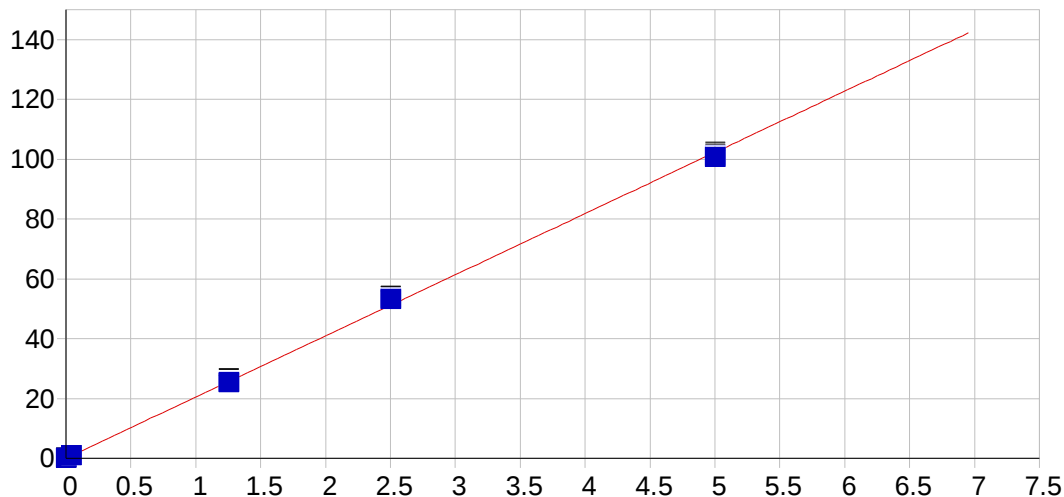
Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000036 Re-Slope: 1.000000  
 A1 (Gain): 0.228271 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999934  
 Std Error of Est: 0.000063  
 Predicted MDL: 0.000573  
 Predicted MQL: 0.001909

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00004 | .000    | 1        |
| S1        | .04000       | .04553      | .006       | 13.8    | .01022  | .001    | 1        |
| S3        | 1.2500       | 1.2472      | -.003      | -.225   | .28280  | .002    | 1        |
| S4        | 2.5000       | 2.5238      | .024       | .953    | .57235  | .001    | 1        |
| S5        | 5.0000       | 4.9735      | -.026      | -.530   | 1.1278  | .004    | 1        |



Zn 206.200 {163}

Date of Fit: 10/22/2018 11:03:20

Type of Fit: Linear

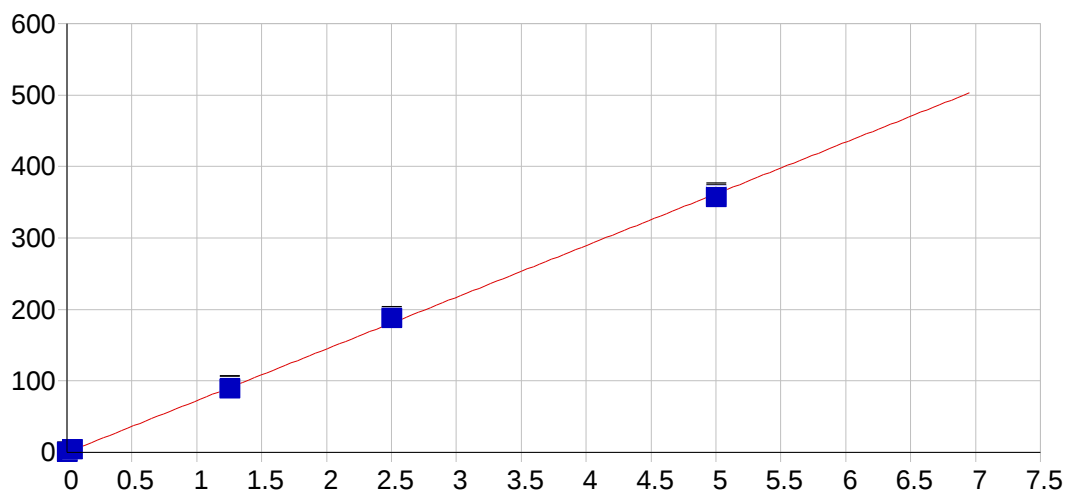
Weighting: 1/Conc

A0 (Offset): 0.010623  
 A1 (Gain): 20.459162  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999643  
 Std Error of Est: 0.013307  
 Predicted MDL: 0.000703  
 Predicted MQL: 0.002343

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    | .01049 | .007    | 1        |
| S1        | .04000       | .04601      | .006       | 15.0    | .95734 | .000    | 1        |
| S3        | 1.2500       | 1.2339      | -.016      | -1.29   | 25.410 | 1.12    | 1        |
| S4        | 2.5000       | 2.5967      | .097       | 3.87    | 53.446 | .740    | 1        |
| S5        | 5.0000       | 4.9134      | -.087      | -1.73   | 101.15 | 1.09    | 1        |

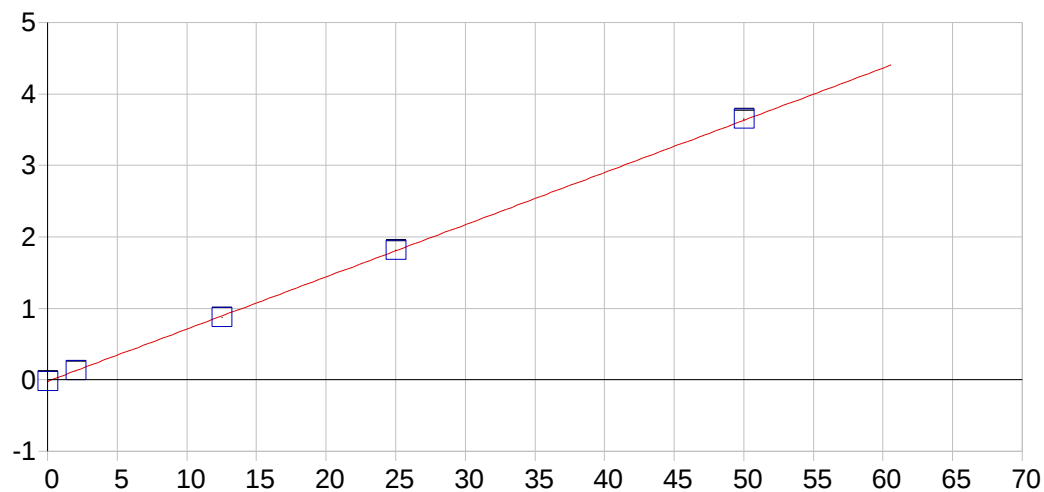


Zn 213.856 {458}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.087587 Re-Slope: 1.000000  
 A1 (Gain): 72.330915 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999711 Status: OK.  
 Std Error of Est: 0.042304  
 Predicted MDL: 0.000101  
 Predicted MQL: 0.000336

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .08724 | .005    | 1        |
| S1        | .04000       | .04460      | .005       | 11.5    | 3.3326 | .051    | 1        |
| S3        | 1.2500       | 1.2278      | -.022      | -1.77   | 89.444 | 3.64    | 1        |
| S4        | 2.5000       | 2.5892      | .089       | 3.57    | 188.46 | 1.66    | 1        |
| S5        | 5.0000       | 4.9283      | -.072      | -1.43   | 358.74 | 4.38    | 1        |



K 766.490 {44}

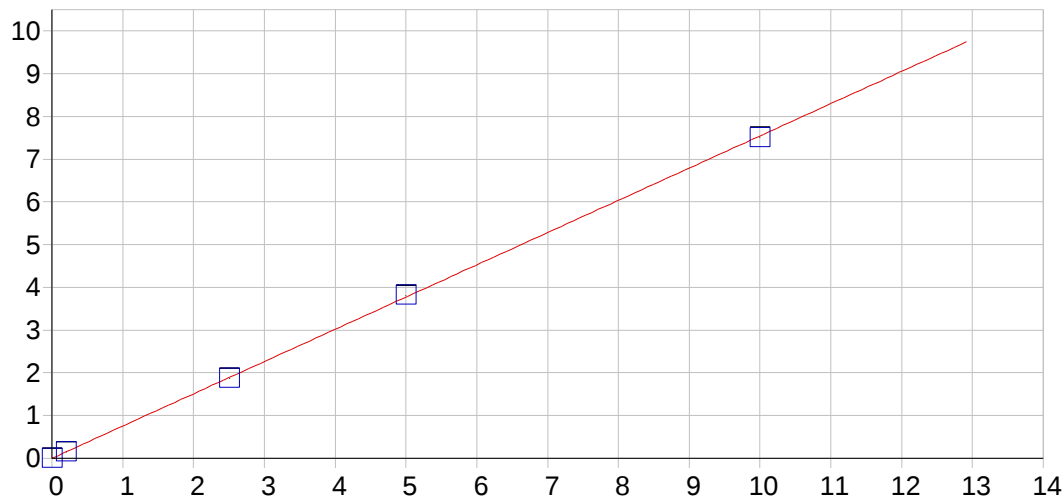
Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.020127 Re-Slope: 1.000000  
 A1 (Gain): 0.073025 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999965  
 Std Error of Est: 0.000336  
 Predicted MDL: 0.042763  
 Predicted MQL: 0.142543

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 1.9838      | -.016      | -.809   | .12474  | .003    | 1        |
| S0        | .00000       | .00004      | .000       | .000    | -.02012 | .003    | 1        |
| S3        | 12.500       | 12.244      | -.256      | -2.05   | .87401  | .002    | 1        |
| S4        | 25.000       | 25.085      | .085       | .339    | 1.8117  | .006    | 1        |
| S5        | 50.000       | 50.187      | .187       | .374    | 3.6448  | .011    | 1        |



Mo 202.030 {467}

Date of Fit: 10/22/2018 11:03:20

Type of Fit: Linear

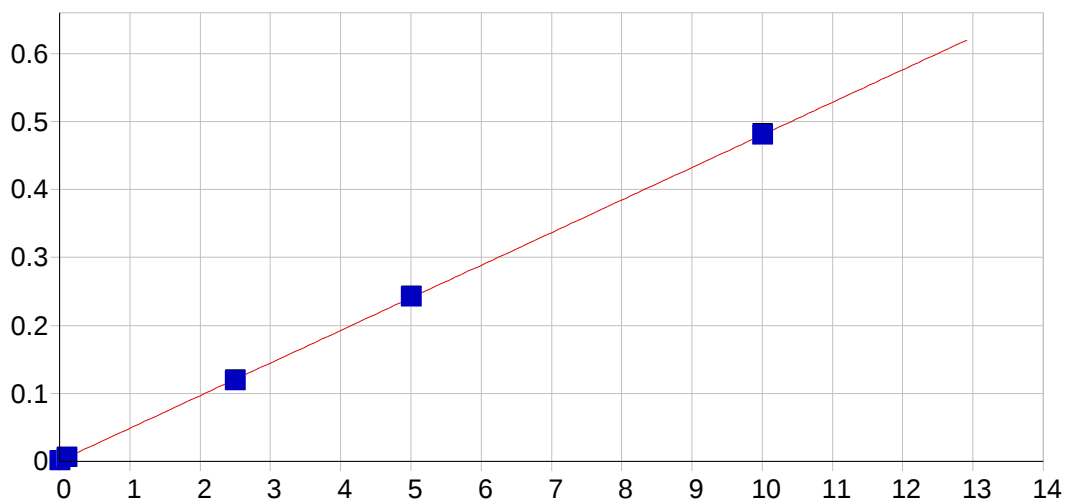
Weighting: 1/Conc

A0 (Offset): 0.000452  
 A1 (Gain): 0.754576  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999965  
 Std Error of Est: 0.000485  
 Predicted MDL: 0.000364  
 Predicted MQL: 0.001215

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    | .00045 | .000    | 1        |
| S1        | .20000       | .20628      | .006       | 3.14    | .15611 | .000    | 1        |
| S3        | 2.5000       | 2.4809      | -.019      | -.763   | 1.8725 | .004    | 1        |
| S4        | 5.0000       | 5.0587      | .059       | 1.17    | 3.8176 | .007    | 1        |
| S5        | 10.000       | 9.9541      | -.046      | -.459   | 7.5116 | .001    | 1        |

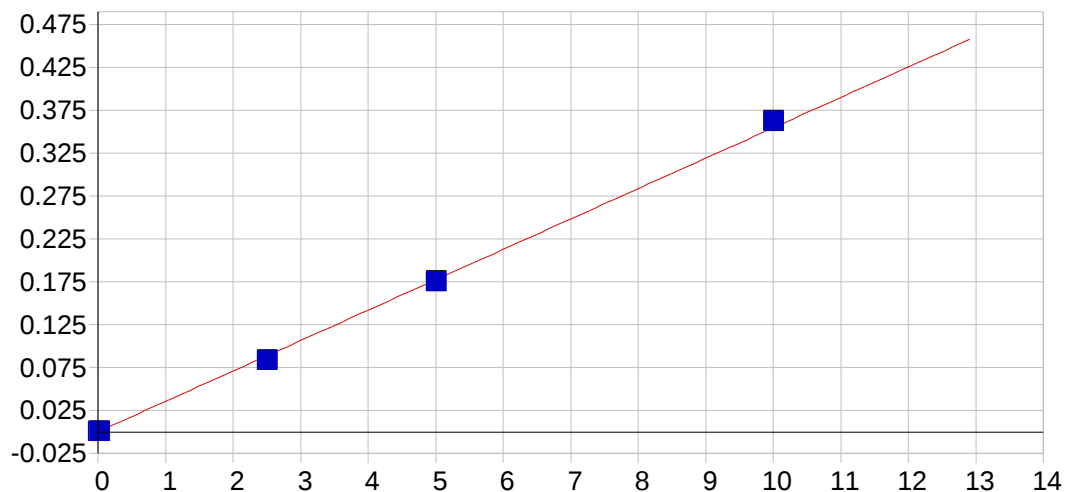


B 249.678 {135}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000825 Re-Slope: 1.000000  
 A1 (Gain): 0.047946 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999979 Status: OK.  
 Std Error of Est: 0.000017  
 Predicted MDL: 0.008596  
 Predicted MQL: 0.028652

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00082 | .000    | 1        |
| S1        | .10000       | .09901      | -.001      | -.994   | .00555 | .000    | 1        |
| S3        | 2.5000       | 2.4637      | -.036      | -1.45   | .11867 | .000    | 1        |
| S4        | 5.0000       | 5.0301      | .030       | .603    | .24144 | .001    | 1        |
| S5        | 10.000       | 10.007      | .007       | .072    | .47951 | .001    | 1        |



S 182.034 {485}

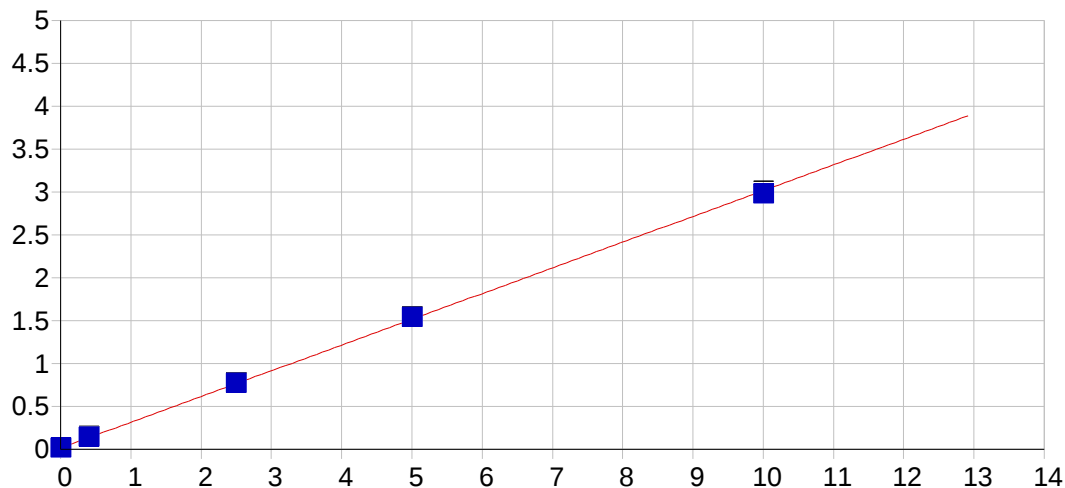
Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000057 Re-Slope: 1.000000  
 A1 (Gain): 0.035451 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999556  
 Std Error of Est: 0.000026  
 Predicted MDL: 0.004484  
 Predicted MQL: 0.014946

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00006 | .000    | 1        |
| S1        | .02000       | .01614      | -.004      | -19.3   | .00061 | .000    | 1        |
| S3        | 2.5000       | 2.3478      | -.152      | -6.09   | .08319 | .000    | 1        |
| S4        | 5.0000       | 4.9379      | -.062      | -1.24   | .17491 | .001    | 1        |
| S5        | 10.000       | 10.218      | .218       | 2.18    | .36190 | .001    | 1        |



Si 288.158 {117}

Date of Fit: 10/22/2018 11:03:20

Type of Fit: Linear

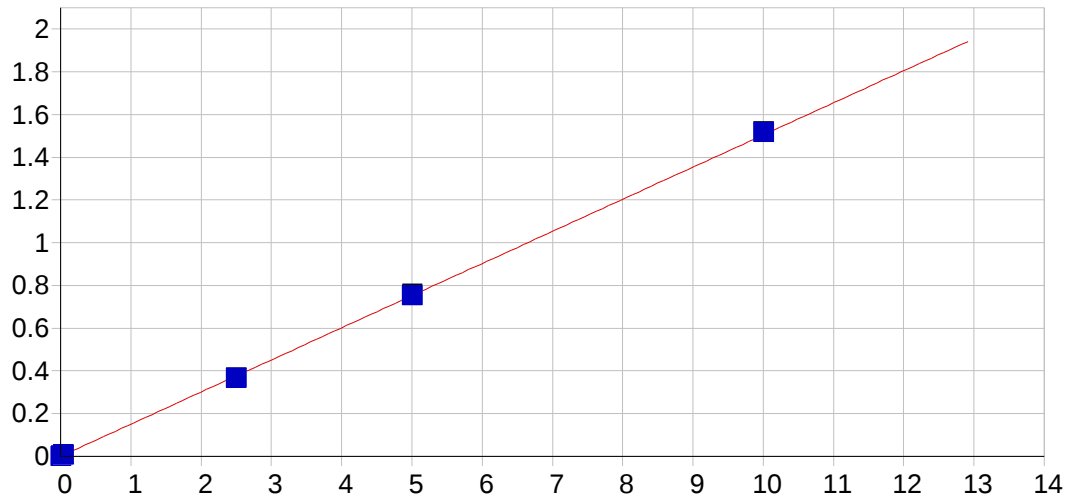
Weighting: 1/Conc

A0 (Offset): 0.015798  
 A1 (Gain): 0.299975  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999874  
 Std Error of Est: 0.000520  
 Predicted MDL: 0.003253  
 Predicted MQL: 0.010845

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00003     | -.000      | .000    | .01579 | .000    | 1        |
| S1        | .40000       | .42668      | .027       | 6.67    | .14369 | .002    | 1        |
| S3        | 2.5000       | 2.5213      | .021       | .854    | .77174 | .001    | 1        |
| S4        | 5.0000       | 5.0732      | .073       | 1.46    | 1.5368 | .009    | 1        |
| S5        | 10.000       | 9.8788      | -.121      | -1.21   | 2.9776 | .031    | 1        |

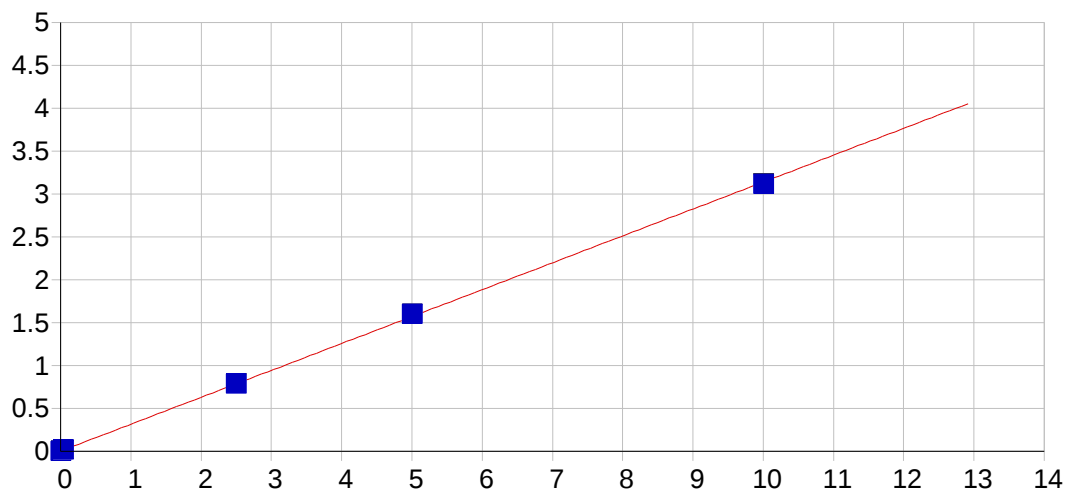


Sn 189.989 {477}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000477 Re-Slope: 1.000000  
 A1 (Gain): 0.150390 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999922 Status: OK.  
 Std Error of Est: 0.000064  
 Predicted MDL: 0.001076  
 Predicted MQL: 0.003587

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00048 | .000    | 1        |
| S1        | .04000       | .04242      | .002       | 6.05    | .00686 | .000    | 1        |
| S3        | 2.5000       | 2.4270      | -.073      | -2.92   | .36553 | .001    | 1        |
| S4        | 5.0000       | 5.0019      | .002       | .038    | .75284 | .006    | 1        |
| S5        | 10.000       | 10.069      | .069       | .687    | 1.5150 | .004    | 1        |



Ti 336.121 {100}

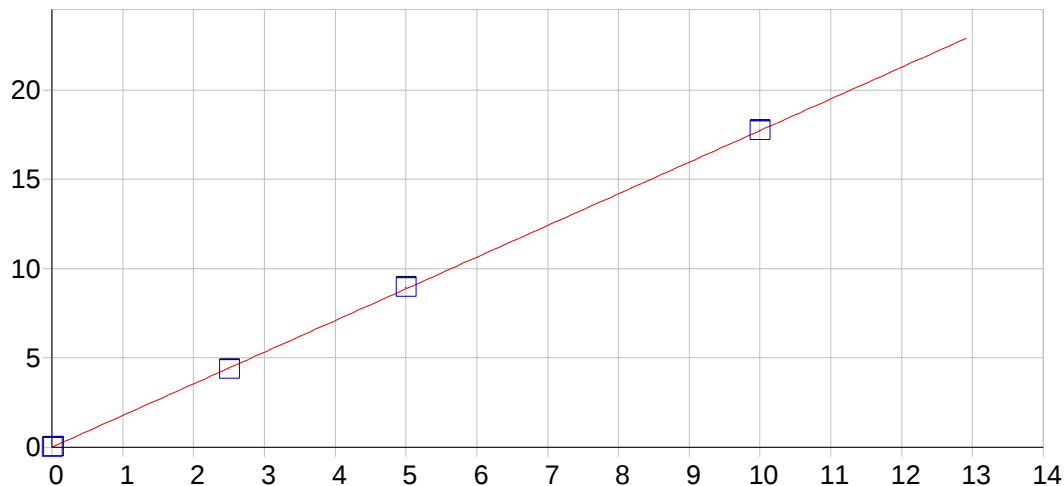
Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002322 Re-Slope: 1.000000  
 A1 (Gain): 0.313679 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999936  
 Std Error of Est: 0.000121  
 Predicted MDL: 0.002270  
 Predicted MQL: 0.007567

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00232 | .000    | 1        |
| S1        | .04000       | .04393      | .004       | 9.82    | .01610 | .000    | 1        |
| S3        | 2.5000       | 2.4924      | -.008      | -.305   | .78402 | .002    | 1        |
| S4        | 5.0000       | 5.0793      | .079       | 1.59    | 1.5954 | .004    | 1        |
| S5        | 10.000       | 9.9245      | -.076      | -.755   | 3.1150 | .001    | 1        |



Li 670.784 { 50}

Date of Fit: 10/22/2018 11:03:20

Type of Fit: Linear

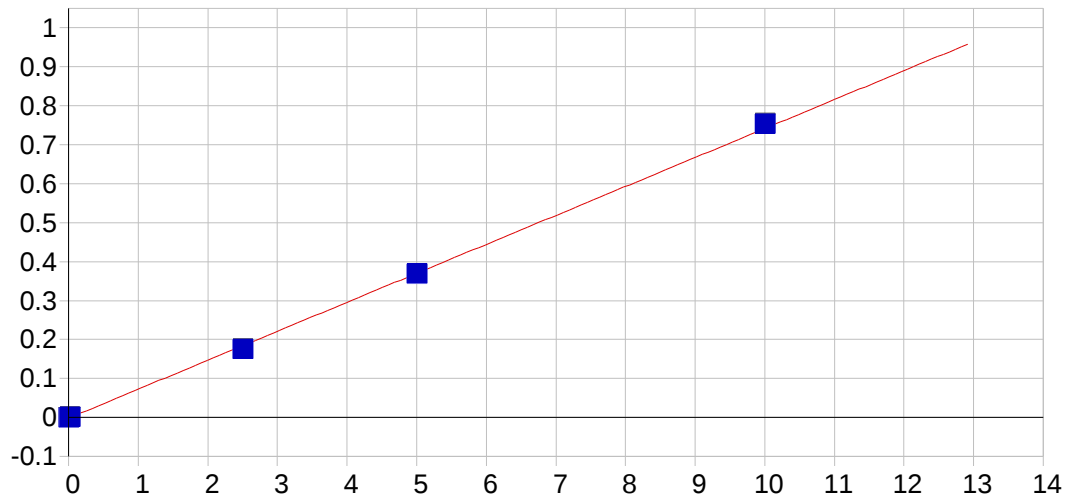
Weighting: 1/Conc

A0 (Offset): 0.008219  
 A1 (Gain): 1.772079  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999957  
 Std Error of Est: 0.000396  
 Predicted MDL: 0.001707  
 Predicted MQL: 0.005691

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    | .00822 | .002    | 1        |
| S1        | .02000       | .02183      | .002       | 9.15    | .04690 | .001    | 1        |
| S3        | 2.5000       | 2.4518      | -.048      | -1.93   | 4.3531 | .007    | 1        |
| S4        | 5.0000       | 5.0449      | .045       | .897    | 8.9481 | .035    | 1        |
| S5        | 10.000       | 10.001      | .001       | .015    | 17.732 | .047    | 1        |



P 177.495 {490}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001901 Re-Slope: 1.000000  
 A1 (Gain): 0.074350 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999733 Status: OK.  
 Std Error of Est: 0.000041  
 Predicted MDL: 0.002298  
 Predicted MQL: 0.007660

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00190 | .000    | 1        |
| S1        | .02000       | .01959      | -.000      | -2.07   | -.00045 | .000    | 1        |
| S3        | 2.5000       | 2.3712      | -.129      | -5.15   | .17413  | .000    | 1        |
| S4        | 5.0000       | 4.9709      | -.029      | -.583   | .36714  | .001    | 1        |
| S5        | 10.000       | 10.158      | .158       | 1.58    | .75229  | .002    | 1        |



Y 224.306 {450}\*

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

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







In 230.606 {446}\*

Date of Fit: <not fit>

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

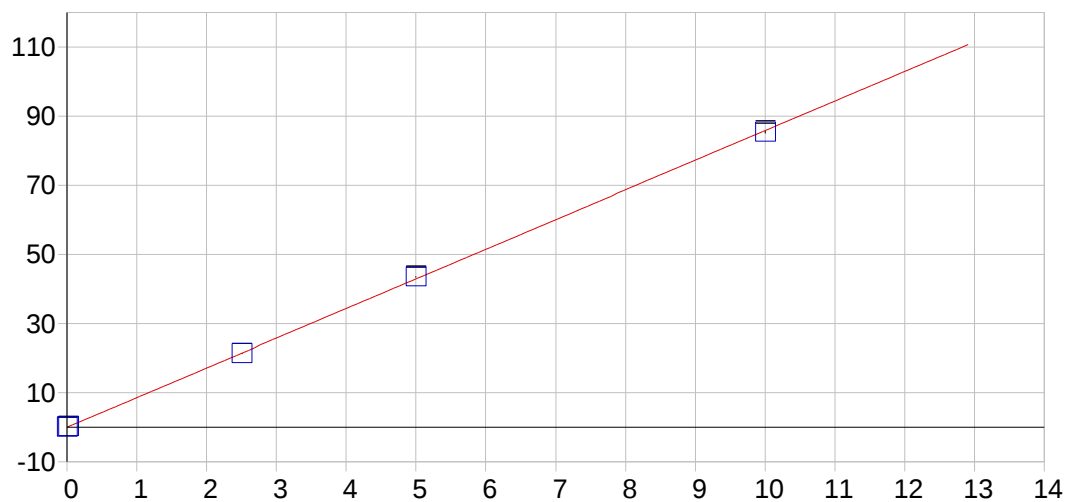
Status: Warning Zero Gain

Std Error of Est: 0.000000

Predicted MDL: n/a

Predicted MQL: n/a

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



Sr 407.771 { 83}

Date of Fit: 10/22/2018 11:03:20

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.006330

Re-Slope: 1.000000

A1 (Gain): 8.583154

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999958

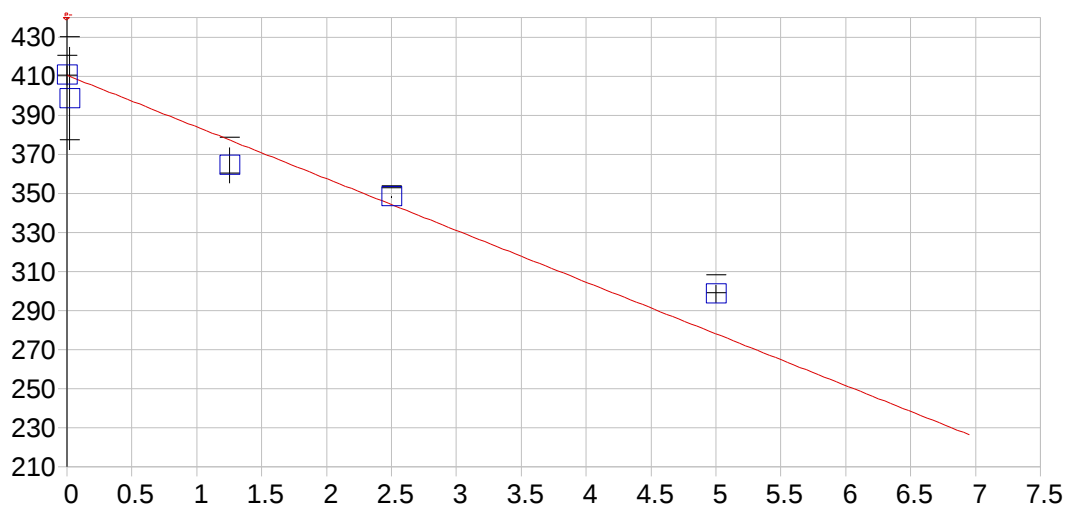
Status: OK.

Std Error of Est: 0.001902

Predicted MDL: 0.000142

Predicted MQL: 0.000474

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00634 | .001    | 1        |
| S1        | .02000       | .02099      | .001       | 4.93    | .17379  | .004    | 1        |
| S3        | 2.5000       | 2.4812      | -.019      | -.752   | 21.290  | .053    | 1        |
| S4        | 5.0000       | 5.0708      | .071       | 1.42    | 43.517  | .104    | 1        |
| S5        | 10.000       | 9.9470      | -.053      | -.530   | 85.370  | .360    | 1        |



Date of Fit: 10/22/2018 11:03:20

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 410.442344

Re-Slope: 1.000000

A1 (Gain): -26.474949

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.691863

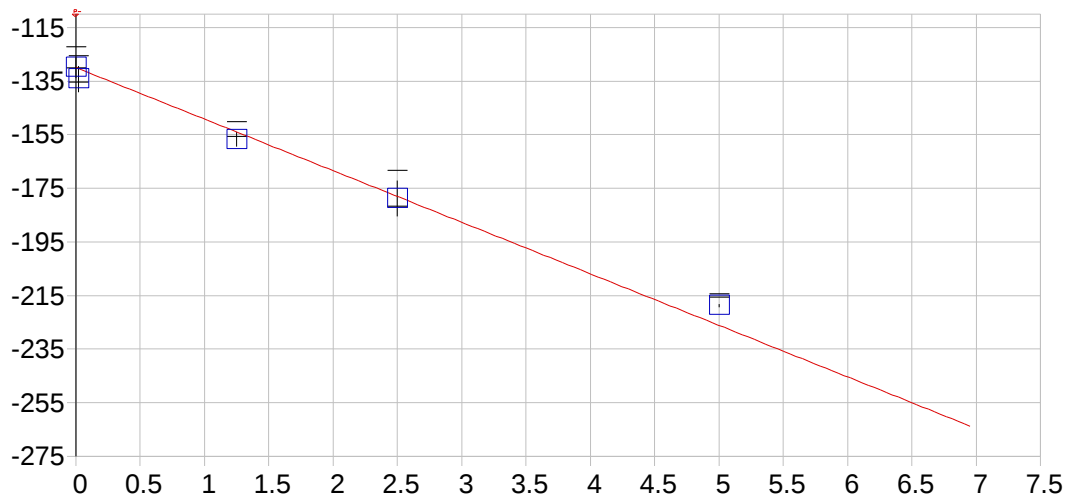
Status: Warning Negative Gain

Std Error of Est: 0.472148

Predicted MDL: n/a

Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00043     | -.000      | .000    | 410.45 | 5.13    | 1        |
| S1        | .02000       | .44947      | .429       | 2150.   | 398.54 | 26.2    | 1        |
| S3        | 1.2500       | 1.7393      | .489       | 39.1    | 364.39 | 9.25    | 1        |
| S4        | 2.5000       | 2.3539      | -.146      | -5.84   | 348.12 | .562    | 1        |
| S5        | 5.0000       | 4.2273      | -.773      | -15.5   | 298.53 | 4.67    | 1        |



U 385.958 { 87}

Date of Fit: 10/22/2018 11:03:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -129.933594 Re-Slope: 1.000000

A1 (Gain): -19.234373 Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.898202 Status: Warning Negative Gain

Std Error of Est: 0.160862

Predicted MDL: n/a

Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00020     | -.000      | .000    | -129.93 | 3.98    | 1        |
| S1        | .02000       | .22256      | .203       | 1010.   | -134.21 | 4.87    | 1        |
| S3        | 1.2500       | 1.3935      | .144       | 11.5    | -156.74 | 2.77    | 1        |
| S4        | 2.5000       | 2.5399      | .040       | 1.60    | -178.79 | 6.67    | 1        |
| S5        | 5.0000       | 4.6140      | -.386      | -7.72   | -218.68 | .618    | 1        |

Sample Name: S0      Acquired: 10/19/2018 11:04:30      Type: Cal  
Method: P4-ICP2(v2514)      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    | .00005 | -.00062 | .00247 | -.00007 | .00069 | -.00004 | .04335 | .00015 |
| Stddev | .00003 | .00028  | .00039 | .00009  | .00001 | .00003  | .00040 | .00007 |
| %RSD   | 68.925 | 45.414  | 15.845 | 135.43  | 1.6396 | 58.060  | .91129 | 48.400 |

|    |        |         |        |         |        |         |        |        |
|----|--------|---------|--------|---------|--------|---------|--------|--------|
| #1 | .00007 | -.00082 | .00274 | -.00000 | .00069 | -.00006 | .04307 | .00020 |
| #2 | .00002 | -.00042 | .00219 | -.00014 | .00068 | -.00003 | .04363 | .00010 |

|        |         |        |         |        |         |         |         |         |
|--------|---------|--------|---------|--------|---------|---------|---------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | Cts/S   | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S   |
| Avg    | -.00072 | .00085 | -.00008 | .00006 | -.00060 | -.00869 | -.00002 | -.00083 |
| Stddev | .00018  | .00001 | .00003  | .00004 | .00015  | .00029  | .00009  | .00006  |
| %RSD   | 24.966  | 1.2741 | 33.936  | 61.511 | 25.716  | 3.3163  | 460.03  | 7.5231  |

|    |         |        |         |        |         |         |         |         |
|----|---------|--------|---------|--------|---------|---------|---------|---------|
| #1 | -.00059 | .00086 | -.00011 | .00004 | -.00071 | -.00849 | -.00008 | -.00087 |
| #2 | -.00085 | .00084 | -.00006 | .00009 | -.00049 | -.00890 | .00004  | -.00078 |

|        |         |        |        |         |        |         |        |        |
|--------|---------|--------|--------|---------|--------|---------|--------|--------|
| 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    | -.00594 | .00008 | .06916 | -.00004 | .08724 | -.02012 | .00045 | .00082 |
| Stddev | .00014  | .00001 | .00154 | .00001  | .00507 | .00297  | .00013 | .00003 |
| %RSD   | 2.3600  | 7.0252 | 2.2211 | 28.150  | 5.8101 | 14.765  | 29.137 | 3.5531 |

|    |         |        |        |         |        |         |        |        |
|----|---------|--------|--------|---------|--------|---------|--------|--------|
| #1 | -.00584 | .00009 | .07025 | -.00003 | .09083 | -.01802 | .00036 | .00080 |
| #2 | -.00604 | .00008 | .06808 | -.00005 | .08366 | -.02222 | .00054 | .00085 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 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    | .00006 | .01579 | .00048 | .00232 | .00822 | -.0019 | -.00634 | 410.45 |
| Stddev | .00015 | .00021 | .00000 | .00002 | .00222 | .0000  | .00093  | 5.13   |
| %RSD   | 268.34 | 1.3258 | .73256 | .71252 | 27.069 | 2.547  | 14.625  | 1.2487 |

|    |         |        |        |        |        |        |         |        |
|----|---------|--------|--------|--------|--------|--------|---------|--------|
| #1 | -.00005 | .01564 | .00047 | .00233 | .00664 | -.0019 | -.00699 | 406.83 |
| #2 | .00016  | .01594 | .00048 | .00231 | .00979 | -.0019 | -.00568 | 414.08 |

Sample Name: S0      Acquired: 10/19/2018 11:04:30      Type: Cal  
 Method: P4-ICP2(v2514)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -129.93 |
| Stddev | 3.98    |
| %RSD   | 3.0597  |

|    |         |
|----|---------|
| #1 | -127.12 |
| #2 | -132.74 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2690.7 | 40835. | 4392.5 | 109.30 | 3339.8 |
| Stddev    | 1.0    | 109.   | 15.8   | .91    | .1     |
| %RSD      | .03596 | .26682 | .35935 | .83560 | .00345 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2690.0 | 40758. | 4403.7 | 109.95 | 3339.7 |
| #2 | 2691.4 | 40912. | 4381.4 | 108.66 | 3339.8 |

Sample Name: S1      Acquired: 10/19/2018 11:08:33      Type: Cal  
Method: P4-ICP2(v2514)      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    | .00131 | .00499 | .00570 | .00156 | .00969 | .00086 | .49749 | .00535 |
| Stddev | .00001 | .00005 | .00026 | .00005 | .00007 | .00005 | .00889 | .00023 |
| %RSD   | .75828 | 1.0151 | 4.5066 | 2.9992 | .68435 | 6.0844 | 1.7876 | 4.3488 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00132 | .00496 | .00588 | .00152 | .00964 | .00090 | .49120 | .00551 |
| #2 | .00131 | .00503 | .00551 | .00159 | .00973 | .00082 | .50377 | .00518 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01689 | .00161 | .03533 | .01526 | .12128 | .02610 | .02018 | .00214 |
| Stddev | .00025 | .00003 | .00023 | .00003 | .01413 | .00143 | .00028 | .00004 |
| %RSD   | 1.4778 | 1.5684 | .65823 | .18637 | 11.650 | 5.4600 | 1.3695 | 1.7355 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01672 | .00159 | .03549 | .01524 | .11129 | .02711 | .01998 | .00216 |
| #2 | .01707 | .00162 | .03516 | .01528 | .13127 | .02509 | .02037 | .00211 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01022 | 3.3326 | .15611 | .00555 | .00061 | .14369 | .00686 | .01610 |
| Stddev | .00057 | .0513  | .00014 | .00048 | .00014 | .00202 | .00009 | .00030 |
| %RSD   | 5.5440 | 1.5401 | .08686 | 8.6902 | 23.583 | 1.4042 | 1.3650 | 1.8596 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01062 | 3.2963 | .15601 | .00521 | .00051 | .14226 | .00679 | .01588 |
| #2 | .00982 | 3.3689 | .15620 | .00589 | .00071 | .14512 | .00692 | .01631 |

|        |        |        |        |        |         |
|--------|--------|--------|--------|--------|---------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |
| Avg    | .04690 | -.0005 | .17379 | 398.54 | -134.21 |
| Stddev | .00074 | .0000  | .00352 | 26.23  | 4.87    |
| %RSD   | 1.5726 | 7.918  | 2.0264 | 6.5816 | 3.6301  |

|    |        |        |        |        |         |
|----|--------|--------|--------|--------|---------|
| #1 | .04638 | -.0005 | .17130 | 380.00 | -130.77 |
| #2 | .04742 | -.0004 | .17628 | 417.09 | -137.66 |

Sample Name: S1      Acquired: 10/19/2018 11:08:33      Type: Cal  
Method: P4-ICP2(v2514)      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       | 2680.7 | 40539. | 4400.9 | 108.65 | 3329.9 |
| Stddev    | 7.8    | 1515.  | 84.8   | .95    | 10.4   |
| %RSD      | .28934 | 3.7380 | 1.9276 | .87314 | .31367 |
| #1        | 2675.2 | 39467. | 4460.9 | 109.33 | 3322.5 |
| #2        | 2686.1 | 41610. | 4340.9 | 107.98 | 3337.3 |

Sample Name: S2      Acquired: 10/19/2018 11:12:37      Type: Cal  
Method: P4-ICP2(v2514)      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    | .07462 | .02043 | .60386 | .12474 |
| Stddev | .00087 | .00060 | .00333 | .00279 |
| %RSD   | 1.1657 | 2.9595 | .55097 | 2.2380 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .07400 | .02001 | .60621 | .12277 |
| #2 | .07523 | .02086 | .60151 | .12672 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 4376.1 |
| Stddev    | 11.1   |
| %RSD      | .25324 |

|    |        |
|----|--------|
| #1 | 4368.3 |
| #2 | 4383.9 |

Sample Name: S3      Acquired: 10/19/2018 11:16:35      Type: Cal  
Method: P4-ICP2(v2514)      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    | .12314 | .31477 | .62284 | .19565 | .41719 | .04190 | 20.992 | .10326 |
| Stddev | .00058 | .00025 | .00045 | .00007 | .00027 | .00022 | .011   | .00028 |
| %RSD   | .47497 | .07818 | .07173 | .03552 | .06374 | .51381 | .05068 | .27370 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .12356 | .31460 | .62315 | .19560 | .41738 | .04205 | 20.985 | .10346 |
| #2 | .12273 | .31495 | .62252 | .19570 | .41700 | .04174 | 21.000 | .10306 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 3.5798 | .44974 | .08112 | 1.2857 | .46915 | 3.4322 | 1.4530 | .12864 |
| Stddev | .0086  | .00026 | .00036 | .0025  | .00110 | .1248  | .0016  | .00015 |
| %RSD   | .24097 | .05828 | .43829 | .19153 | .23463 | 3.6364 | .10749 | .11594 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.5859 | .44992 | .08087 | 1.2875 | .46993 | 3.3439 | 1.4519 | .12853 |
| #2 | 3.5737 | .44955 | .08137 | 1.2840 | .46837 | 3.5205 | 1.4541 | .12874 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .72330 | .12565 | 3.3609 | .28280 | 89.444 | .87401 | 1.8725 | .11867 |
| Stddev | .00040 | .00015 | .0158  | .00151 | 3.643  | .00172 | .0044  | .00040 |
| %RSD   | .05542 | .11587 | .47022 | .53406 | 4.0726 | .19718 | .23482 | .33707 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72302 | .12575 | 3.3498 | .28173 | 86.869 | .87523 | 1.8756 | .11838 |
| #2 | .72359 | .12555 | 3.3721 | .28386 | 92.020 | .87280 | 1.8694 | .11895 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .08319 | .77174 | .36553 | .78402 | 4.3531 | .1741  | 21.290 | 364.39 |
| Stddev | .00032 | .00122 | .00079 | .00166 | .0066  | .0004  | .053   | 9.25   |
| %RSD   | .38626 | .15778 | .21571 | .21144 | .15161 | .2583  | .24745 | 2.5386 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .08342 | .77088 | .36609 | .78520 | 4.3484 | .1744 | 21.253 | 357.85 |
| #2 | .08296 | .77260 | .36498 | .78285 | 4.3577 | .1738 | 21.327 | 370.93 |

Sample Name: S3      Acquired: 10/19/2018 11:16:35      Type: Cal  
Method: P4-ICP2(v2514)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -156.74 |
| Stddev | 2.77    |
| %RSD   | 1.7674  |

|    |         |
|----|---------|
| #1 | -158.70 |
| #2 | -154.78 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2626.8 | 39275. | 4338.3 | 105.79 | 3184.8 |
| Stddev    | 10.7   | 79.    | 3.1    | 4.12   | 13.0   |
| %RSD      | .40605 | .20158 | .07090 | 3.8958 | .40678 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2619.3 | 39219. | 4340.5 | 108.71 | 3175.6 |
| #2 | 2634.4 | 39331. | 4336.1 | 102.88 | 3194.0 |

Sample Name: S4      Acquired: 10/19/2018 11:20:23      Type: Cal  
Method: P4-ICP2(v2514)      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    | .25141 | .64228 | 1.2784 | .39696 | .85072 | .08583 | 43.045 | .21013 |
| Stddev | .00079 | .00136 | .0029  | .00021 | .00204 | .00001 | .112   | .00012 |
| %RSD   | .31587 | .21209 | .22651 | .05333 | .23926 | .00860 | .26086 | .05691 |
| #1     | .25085 | .64132 | 1.2805 | .39681 | .85216 | .08583 | 42.966 | .21005 |
| #2     | .25197 | .64325 | 1.2764 | .39711 | .84928 | .08584 | 43.124 | .21022 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 7.4388 | .92681 | .16432 | 2.6696 | .94598 | 7.2547 | 2.9283 | .26168 |
| Stddev | .0179  | .00684 | .00002 | .0086  | .00001 | .1061  | .0013  | .00031 |
| %RSD   | .24104 | .73803 | .01448 | .32053 | .00127 | 1.4620 | .04478 | .11852 |
| #1     | 7.4515 | .92198 | .16431 | 2.6757 | .94597 | 7.1797 | 2.9274 | .26190 |
| #2     | 7.4262 | .93165 | .16434 | 2.6636 | .94599 | 7.3297 | 2.9292 | .26147 |
| 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    | 1.4888 | .25280 | 6.8497 | .57235 | 188.46 | 1.8117 | 3.8176 | .24144 |
| Stddev | .0043  | .00007 | .0059  | .00067 | 1.66   | .0063  | .0072  | .00055 |
| %RSD   | .29126 | .02760 | .08639 | .11765 | .88000 | .34576 | .18959 | .22752 |
| #1     | 1.4919 | .25285 | 6.8455 | .57187 | 187.29 | 1.8073 | 3.8227 | .24105 |
| #2     | 1.4858 | .25275 | 6.8539 | .57282 | 189.64 | 1.8161 | 3.8125 | .24183 |
| 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    | .17491 | 1.5368 | .75284 | 1.5954 | 8.9481 | .3671  | 43.517 | 348.12 |
| Stddev | .00061 | .0092  | .00603 | .0042  | .0351  | .0006  | .104   | .56    |
| %RSD   | .34995 | .59896 | .80120 | .26180 | .39209 | .1545  | .23893 | .16155 |
| #1     | .17448 | 1.5303 | .75711 | 1.5924 | 8.9233 | .3675  | 43.444 | 348.52 |
| #2     | .17534 | 1.5434 | .74858 | 1.5983 | 8.9729 | .3667  | 43.591 | 347.73 |

Sample Name: S4      Acquired: 10/19/2018 11:20:23      Type: Cal  
Method: P4-ICP2(v2514)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -178.79 |
| Stddev | 6.67    |
| %RSD   | 3.7283  |

|    |         |
|----|---------|
| #1 | -174.07 |
| #2 | -183.50 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2569.7 | 38639. | 4267.7 | 100.45 | 3042.6 |
| Stddev    | 8.9    | 91.    | 10.9   | .75    | 12.4   |
| %RSD      | .34698 | .23588 | .25536 | .74601 | .40806 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2563.4 | 38574. | 4275.5 | 100.98 | 3033.9 |
| #2 | 2576.0 | 38703. | 4260.0 | 99.924 | 3051.4 |

Sample Name: S5      Acquired: 10/19/2018 11:24:09      Type: Cal  
Method: P4-ICP2(v2514)      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    | .49949 | 1.2737 | 2.5687 | .78635 | 1.6965 | .17406 | 85.168 | .41649 |
| Stddev | .00140 | .0025  | .0079  | .00201 | .0031  | .00067 | .601   | .00078 |
| %RSD   | .27972 | .19432 | .30677 | .25601 | .18209 | .38752 | .70577 | .18831 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .49851 | 1.2720 | 2.5631 | .78778 | 1.6987 | .17453 | 84.743 | .41705 |
| #2 | .50048 | 1.2755 | 2.5743 | .78493 | 1.6943 | .17358 | 85.593 | .41594 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 14.962 | 1.8209 | .32207 | 5.3705 | 1.8515 | 14.144 | 5.7410 | .51995 |
| Stddev | .043   | .0167  | .00064 | .0158  | .0025  | .189   | .0099  | .00335 |
| %RSD   | .28500 | .91934 | .19981 | .29486 | .13389 | 1.3330 | .17244 | .64461 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.932 | 1.8091 | .32253 | 5.3593 | 1.8532 | 14.011 | 5.7480 | .51758 |
| #2 | 14.993 | 1.8328 | .32162 | 5.3817 | 1.8497 | 14.278 | 5.7340 | .52232 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.9978 | .50034 | 13.527 | 1.1278 | 358.74 | 3.6448 | 7.5116 | .47951 |
| Stddev | .0092  | .00094 | .004   | .0036  | 4.38   | .0111  | .0014  | .00139 |
| %RSD   | .30596 | .18765 | .02700 | .31950 | 1.2197 | .30530 | .01903 | .28893 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.9913 | .50100 | 13.525 | 1.1304 | 355.65 | 3.6369 | 7.5106 | .47853 |
| #2 | 3.0043 | .49967 | 13.530 | 1.1253 | 361.84 | 3.6526 | 7.5126 | .48049 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .36190 | 2.9776 | 1.5150 | 3.1150 | 17.732 | .7523  | 85.370 | 298.53 |
| Stddev | .00057 | .0311  | .0039  | .0007  | .047   | .0017  | .360   | 4.67   |
| %RSD   | .15642 | 1.0445 | .25421 | .02178 | .26401 | .2212  | .42176 | 1.5644 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .36150 | 2.9556 | 1.5122 | 3.1145 | 17.699 | .7511 | 85.116 | 295.22 |
| #2 | .36230 | 2.9996 | 1.5177 | 3.1155 | 17.765 | .7535 | 85.625 | 301.83 |

Sample Name: S5      Acquired: 10/19/2018 11:24:09      Type: Cal  
Method: P4-ICP2(v2514)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -218.68 |
| Stddev | .62     |
| %RSD   | .28263  |

|    |         |
|----|---------|
| #1 | -219.12 |
| #2 | -218.24 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2516.9 | 37686. | 4245.3 | 101.64 | 2895.8 |
| Stddev    | .2     | 97.    | 24.5   | 1.24   | 6.0    |
| %RSD      | .00958 | .25827 | .57666 | 1.2226 | .20864 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2517.0 | 37617. | 4262.6 | 102.52 | 2900.1 |
| #2 | 2516.7 | 37755. | 4228.0 | 100.77 | 2891.5 |

Sample Name: ICV01      Acquired: 10/19/2018 11:28:05      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |        |          |          |          |          |
|--------|----------|----------|----------|--------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960 | Sb2068   | Al3961   | Ba4934   | Be2348   |
| Units  | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.0122   | 1.0252   | .98958   | 1.0126 | .99802   | 2.4768   | .50289   | .47938   |
| Stddev | .0017    | .0124    | .01340   | .0093  | .01120   | .0080    | .00015   | .00201   |
| %RSD   | .16692   | 1.2077   | 1.3543   | .91972 | 1.1225   | .32406   | .02965   | .41931   |
| #1     | 1.0110   | 1.0164   | .98010   | 1.0060 | .99010   | 2.4711   | .50278   | .47796   |
| #2     | 1.0134   | 1.0339   | .99905   | 1.0192 | 1.0059   | 2.4824   | .50299   | .48080   |
| Elem   | Cd2265   | Ca3736   | Cr2677   | Co2286 | Cu2247   | Fe2404   | Mn2576   | Mg2790   |
| Units  | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      | ppm      |
| Avg    | .48460   | 10.070   | .49283   | .49272 | .51332   | F 4.7657 | .50949   | 5.9075   |
| Stddev | .00193   | .128     | .00344   | .00299 | .00365   | .0648    | .00250   | .0352    |
| %RSD   | .39880   | 1.2746   | .69881   | .60753 | .71109   | 1.3592   | .48973   | .59561   |
| #1     | .48323   | 9.9797   | .49040   | .49061 | .51074   | 4.7199   | .50772   | 5.8826   |
| #2     | .48596   | 10.161   | .49527   | .49484 | .51590   | 4.8115   | .51125   | 5.9324   |
| Elem   | Ni2316   | Ag3280   | Na5895   | V_2924 | Zn2138   | K_7664   | Mo2020   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      | ppm      |
| Avg    | .49425   | .49817   | 9.6529   | .49759 | 1.0014   | 9.7541   | 2.4930   | 2.4078   |
| Stddev | .00347   | .00199   | .0486    | .00046 | .0256    | .1085    | .0129    | .0073    |
| %RSD   | .70216   | .39946   | .50316   | .09251 | 2.5615   | 1.1129   | .51747   | .30425   |
| #1     | .49179   | .49676   | 9.6185   | .49791 | .98324   | 9.6773   | 2.4839   | 2.4026   |
| #2     | .49670   | .49958   | 9.6872   | .49726 | 1.0195   | 9.8308   | 2.5021   | 2.4130   |
| Elem   | S_1820   | Si2881   | Sn1899   | Ti3361 | Li6707   | P_1774   | Sr4077   | U_3670   |
| Units  | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      | ppm      |
| Avg    | F .00663 | F 2.3679 | F 2.3603 | 2.3920 | F .00040 | F .0005  | F .01143 | F 2.0686 |
| Stddev | .00154   | .0151    | .0127    | .0058  | .00188   | .0013    | .00018   | .1606    |
| %RSD   | 23.286   | .63777   | .53925   | .24170 | 466.46   | 284.2    | 1.5426   | 7.7651   |
| #1     | .00554   | 2.3573   | 2.3513   | 2.3879 | .00173   | -.0005   | .01155   | 1.9550   |
| #2     | .00772   | 2.3786   | 2.3693   | 2.3961 | -.00092  | .0014    | .01130   | 2.1822   |

Sample Name: ICV01      Acquired: 10/19/2018 11:28:05      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.9713  
Stddev      .4539  
%RSD      23.026

#1      2.2922  
#2      1.6503

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2604.6 | 39395. | 4345.6 | 107.11 | 3240.3 |
| Stddev    | 15.2   | 23.    | 20.3   | 1.55   | 24.3   |
| %RSD      | .58200 | .05936 | .46717 | 1.4476 | .75114 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2593.9 | 39379. | 4359.9 | 108.21 | 3223.1 |
| #2 | 2615.3 | 39412. | 4331.2 | 106.02 | 3257.5 |

Sample Name: LLICV01      Acquired: 10/19/2018 11:32:51      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02196 | .04297 | .01215 | .02293 | .05423 | .10597 | .11117 | .00626   |
| Stddev | .00034 | .00148 | .00053 | .00147 | .00091 | .00405 | .00324 | .00009   |
| %RSD   | 1.5386 | 3.4378 | 4.3760 | 6.3921 | 1.6708 | 3.8189 | 2.9174 | 1.4621   |
| #1     | .02173 | .04192 | .01252 | .02189 | .05487 | .10883 | .11347 | .00632   |
| #2     | .02220 | .04401 | .01177 | .02397 | .05359 | .10311 | .10888 | .00619   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00579 | 2.1743 | .01032 | .03299 | .02164 | .09794 | .02289 | 2.2923   |
| Stddev | .00007 | .0759  | .00011 | .00007 | .00056 | .00632 | .00013 | .0455    |
| %RSD   | 1.1693 | 3.4920 | 1.0680 | .20844 | 2.5710 | 6.4549 | .55865 | 1.9865   |
| #1     | .00574 | 2.2280 | .01040 | .03304 | .02204 | .09347 | .02298 | 2.3245   |
| #2     | .00584 | 2.1206 | .01024 | .03294 | .02125 | .10241 | .02280 | 2.2601   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04279 | .01007 | 2.0367 | .04520 | .04570 | 2.0756 | .21004 | .10827   |
| Stddev | .00043 | .00032 | .0689  | .00098 | .00049 | .0184  | .00008 | .00212   |
| %RSD   | 1.0044 | 3.1873 | 3.3854 | 2.1753 | 1.0651 | .88813 | .03989 | 1.9564   |
| #1     | .04249 | .01030 | 2.0855 | .04589 | .04536 | 2.0625 | .21010 | .10977   |
| #2     | .04309 | .00984 | 1.9880 | .04450 | .04605 | 2.0886 | .20998 | .10677   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01775 | .44796 | .04127 | .04402 | .02147 | .0164  | .02095 | F 1.6225 |
| Stddev | .00107 | .00693 | .00179 | .00157 | .00045 | .0011  | .00063 | .1364    |
| %RSD   | 6.0336 | 1.5470 | 4.3285 | 3.5740 | 2.0902 | 6.884  | 2.9865 | 8.4078   |
| #1     | .01700 | .45286 | .04253 | .04513 | .02178 | .0172  | .02139 | 1.5261   |
| #2     | .01851 | .44306 | .04000 | .04290 | .02115 | .0156  | .02051 | 1.7190   |

Sample Name: LLICV01      Acquired: 10/19/2018 11:32:51      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .77043  
Stddev      .74504  
%RSD      96.704

#1      1.2972  
#2      .24361

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2603.5 | 39465. | 4266.6 | 105.25 | 3316.1 |
| Stddev    | 19.9   | 317.   | 39.9   | .39    | 27.3   |
| %RSD      | .76571 | .80310 | .93547 | .36951 | .82421 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2589.4 | 39241. | 4238.4 | 105.53 | 3296.7 |
| #2 | 2617.6 | 39689. | 4294.8 | 104.98 | 3335.4 |

Sample Name: ICB01      Acquired: 10/19/2018 11:36:54      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00272  | .00089  | .00033  | -.00423 | -.00003 | .00361  | .00170  | .00003   |
| Stddev | .00160  | .00156  | .00106  | .00060  | .00215  | .00738  | .00085  | .00009   |
| %RSD   | 59.037  | 175.01  | 323.44  | 14.212  | 6657.5  | 204.43  | 49.878  | 334.94   |
| #1     | .00158  | .00200  | .00108  | -.00380 | -.00155 | -.00161 | .00110  | -.00004  |
| #2     | .00385  | -.00021 | -.00042 | -.00465 | .00149  | .00882  | .00230  | .00009   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00013 | -.02909 | .00000  | -.00028 | -.00028 | -.00351 | .00001  | .02354   |
| Stddev | .00001  | .00850  | .00029  | .00002  | .00017  | .01499  | .00001  | .02202   |
| %RSD   | 4.7866  | 29.205  | 20343.  | 6.4085  | 60.776  | 427.03  | 143.30  | 93.558   |
| #1     | -.00013 | -.02308 | .00021  | -.00027 | -.00016 | .00709  | -.00000 | .03911   |
| #2     | -.00012 | -.03510 | -.00021 | -.00029 | -.00041 | -.01411 | .00002  | .00797   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00081  | .00010  | -.11784 | -.00028 | -.00036 | -.02213 | -.00007 | -.01478  |
| Stddev | .00010  | .00034  | .00574  | .00025  | .00008  | .02790  | .00039  | .00129   |
| %RSD   | 12.691  | 347.47  | 4.8731  | 87.361  | 22.950  | 126.06  | 551.52  | 8.7506   |
| #1     | .00089  | -.00014 | -.12190 | -.00045 | -.00041 | -.00240 | -.00035 | -.01569  |
| #2     | .00074  | .00034  | -.11378 | -.00011 | -.00030 | -.04186 | .00020  | -.01386  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00077 | .00216  | -.00004 | .00313  | .00026  | .0004   | -.00004 | F 1.7642 |
| Stddev | .00097  | .00155  | .00034  | .00054  | .00111  | .0005   | .00006  | .0014    |
| %RSD   | 125.00  | 72.085  | 927.36  | 17.196  | 431.11  | 117.9   | 142.32  | .07886   |
| #1     | -.00009 | .00106  | .00020  | .00275  | .00104  | .0001   | .00000  | 1.7652   |
| #2     | -.00145 | .00325  | -.00028 | .00351  | -.00053 | .0007   | -.00009 | 1.7632   |

Sample Name: ICB01      Acquired: 10/19/2018 11:36:54      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .73151 |
| Stddev | .10367   |
| %RSD   | 14.172   |

|    |        |
|----|--------|
| #1 | .80482 |
| #2 | .65820 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2617.2 | 39797. | 4278.7 | 106.99 | 3348.9 |
| Stddev    | 8.5    | 11.    | 27.2   | 1.57   | 11.4   |
| %RSD      | .32327 | .02673 | .63641 | 1.4706 | .34182 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2611.2 | 39804. | 4297.9 | 108.10 | 3340.8 |
| #2 | 2623.2 | 39789. | 4259.4 | 105.88 | 3357.0 |

Sample Name: CRI01      Acquired: 10/19/2018 11:40:59      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02281 | .04754 | .01262 | .02135 | .05695 | .09926 | .11270 | .00633   |
| Stddev | .00180 | .00105 | .00029 | .00063 | .00125 | .00140 | .00056 | .00005   |
| %RSD   | 7.8770 | 2.2141 | 2.2603 | 2.9383 | 2.2003 | 1.4133 | .49718 | .82979   |
| #1     | .02408 | .04828 | .01283 | .02090 | .05606 | .09826 | .11231 | .00637   |
| #2     | .02154 | .04679 | .01242 | .02179 | .05783 | .10025 | .11310 | .00629   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00606 | 2.2032 | .01059 | .03387 | .02225 | .10913 | .02343 | 2.2669   |
| Stddev | .00013 | .0083  | .00016 | .00015 | .00037 | .01055 | .00007 | .0275    |
| %RSD   | 2.1848 | .37832 | 1.4948 | .43607 | 1.6467 | 9.6694 | .30375 | 1.2125   |
| #1     | .00615 | 2.2091 | .01048 | .03398 | .02251 | .11659 | .02338 | 2.2864   |
| #2     | .00597 | 2.1973 | .01071 | .03377 | .02199 | .10167 | .02348 | 2.2475   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04484 | .01055 | 2.0354 | .04541 | .04761 | 2.0840 | .21708 | .10082   |
| Stddev | .00032 | .00026 | .0058  | .00048 | .00173 | .0181  | .00015 | .01374   |
| %RSD   | .71745 | 2.4548 | .28449 | 1.0540 | 3.6250 | .86906 | .07081 | 13.625   |
| #1     | .04507 | .01074 | 2.0395 | .04507 | .04639 | 2.0712 | .21697 | .09111   |
| #2     | .04461 | .01037 | 2.0313 | .04574 | .04883 | 2.0968 | .21719 | .11054   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01848 | .42872 | .04398 | .04710 | .02094 | .0177  | .02133 | F 2.1383 |
| Stddev | .00030 | .00444 | .00137 | .00007 | .00016 | .0002  | .00005 | .0537    |
| %RSD   | 1.6458 | 1.0361 | 3.1256 | .13901 | .77125 | .9401  | .22185 | 2.5092   |
| #1     | .01826 | .42558 | .04300 | .04706 | .02105 | .0176  | .02129 | 2.1004   |
| #2     | .01869 | .43186 | .04495 | .04715 | .02082 | .0178  | .02136 | 2.1762   |

Sample Name: CRI01      Acquired: 10/19/2018 11:40:59      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
 Comment:

|        |                                                                             |
|--------|-----------------------------------------------------------------------------|
| Elem   | U_3859                                                                      |
| Units  | ppm                                                                         |
| Avg    | <span style="color: red;">F</span> <span style="color: blue;">.86326</span> |
| Stddev | .35351                                                                      |
| %RSD   | 40.951                                                                      |

|    |                                          |
|----|------------------------------------------|
| #1 | <span style="color: blue;">1.1132</span> |
| #2 | <span style="color: blue;">.61329</span> |

|           |                                           |                                           |                                           |                                           |                                           |
|-----------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Int. Std. | Y_2243                                    | Y_3600                                    | Y_3710                                    | In2306                                    | In2306                                    |
| Units     | Cts/S                                     | Cts/S                                     | Cts/S                                     | Cts/S                                     | Cts/S                                     |
| Avg       | <span style="color: green;">2601.4</span> | <span style="color: green;">39376.</span> | <span style="color: green;">4307.6</span> | <span style="color: green;">105.62</span> | <span style="color: green;">3321.5</span> |
| Stddev    | 1.2                                       | 78.                                       | 5.6                                       | 3.16                                      | 1.1                                       |
| %RSD      | .04764                                    | .19733                                    | .12931                                    | 2.9959                                    | .03177                                    |

|    |                                           |                                           |                                           |                                           |                                           |
|----|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| #1 | <span style="color: green;">2602.2</span> | <span style="color: green;">39322.</span> | <span style="color: green;">4311.5</span> | <span style="color: green;">107.86</span> | <span style="color: green;">3322.2</span> |
| #2 | <span style="color: green;">2600.5</span> | <span style="color: green;">39431.</span> | <span style="color: green;">4303.7</span> | <span style="color: green;">103.38</span> | <span style="color: green;">3320.7</span> |

Sample Name: ICSA01      Acquired: 10/19/2018 11:45:03      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |         |         |        |         |          |          |
|--------|---------|---------|---------|---------|--------|---------|----------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961  | Ba4934   | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      | ppm      |
| Avg    | .01263  | -.00610 | .00609  | -.01591 | .00155 | 285.90  | .00688   | -.00093  |
| Stddev | .00338  | .00071  | .00180  | .00104  | .00211 | .02     | .00036   | .00007   |
| %RSD   | 26.788  | 11.713  | 29.575  | 6.5321  | 136.11 | .00695  | 5.1863   | 8.0565   |
| #1     | .01502  | -.00559 | .00481  | -.01517 | .00006 | 285.88  | .00714   | -.00098  |
| #2     | .01024  | -.00660 | .00736  | -.01664 | .00304 | 285.91  | .00663   | -.00088  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576   | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      | ppm      |
| Avg    | .00075  | 262.01  | .05760  | -.00075 | .01199 | 98.931  | .01527   | 268.29   |
| Stddev | .00040  | .66     | .00079  | .00028  | .00026 | 3.859   | .00008   | .22      |
| %RSD   | 53.833  | .25228  | 1.3671  | 36.767  | 2.1309 | 3.9011  | .54766   | .08066   |
| #1     | .00046  | 262.48  | .05705  | -.00056 | .01217 | 101.66  | .01521   | 268.44   |
| #2     | .00103  | 261.55  | .05816  | -.00095 | .01181 | 96.202  | .01533   | 268.13   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138 | K_7664  | Mo2020   | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      | ppm      |
| Avg    | -.00657 | -.00499 | -.05928 | .00110  | .00249 | -.04342 | -.00020  | -.02991  |
| Stddev | .00025  | .00009  | .01150  | .00076  | .00026 | .03440  | .00041   | .00030   |
| %RSD   | 3.8428  | 1.7296  | 19.406  | 69.413  | 10.425 | 79.228  | 198.50   | .99559   |
| #1     | -.00675 | -.00505 | -.05115 | .00164  | .00267 | -.06775 | .00008   | -.03012  |
| #2     | -.00639 | -.00493 | -.06742 | .00056  | .00230 | -.01910 | -.00049  | -.02970  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707 | P_1774  | Sr4077   | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      | ppm      |
| Avg    | -.00691 | -.00495 | .00940  | .00036  | .00226 | .0016   | F .10441 | F 3.2421 |
| Stddev | .00183  | .00483  | .00058  | .00099  | .00174 | .0057   | .00011   | .1348    |
| %RSD   | 26.558  | 97.531  | 6.1418  | 273.44  | 77.227 | 353.8   | .10497   | 4.1591   |
| #1     | -.00561 | -.00836 | .00899  | .00106  | .00103 | -.0024  | .10449   | 3.3374   |
| #2     | -.00820 | -.00154 | .00980  | -.00034 | .00349 | .0056   | .10434   | 3.1467   |

Sample Name: ICSA01      Acquired: 10/19/2018 11:45:03      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 3.3654  
 Stddev      .3249  
 %RSD      9.6541

#1      3.5951  
 #2      3.1356

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2413.3 | 35760. | 4220.4 | 99.554 | 2750.6 |
| Stddev    | 12.1   | 148.   | 20.3   | 3.973  | 16.4   |
| %RSD      | .50031 | .41268 | .48142 | 3.9908 | .59535 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2404.7 | 35656. | 4206.0 | 96.745 | 2739.0 |
| #2 | 2421.8 | 35864. | 4234.7 | 102.36 | 2762.2 |

Sample Name: ICSAB01      Acquired: 10/19/2018 11:49:10      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |          |          |          |        |          |          |          |
|--------|---------|----------|----------|----------|--------|----------|----------|----------|
| Elem   | As1890  | Tl1908   | Pb2203   | Se1960   | Sb2068 | Al3961   | Ba4934   | Be2348   |
| Units  | ppm     | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      |
| Avg    | .11220  | .08879   | .05587   | .03224   | .60634 | 274.22   | .50852   | .52587   |
| Stddev | .00399  | .00019   | .00161   | .00192   | .00692 | .68      | .00319   | .00044   |
| %RSD   | 3.5535  | .21396   | 2.8874   | 5.9668   | 1.1412 | .24967   | .62732   | .08312   |
| #1     | .10938  | .08866   | .05473   | .03360   | .60144 | 274.70   | .51077   | .52556   |
| #2     | .11502  | .08892   | .05701   | .03088   | .61123 | 273.74   | .50626   | .52617   |
| Elem   | Cd2265  | Ca3736   | Cr2677   | Co2286   | Cu2247 | Fe2404   | Mn2576   | Mg2790   |
| Units  | ppm     | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      |
| Avg    | .98266  | 252.26   | .52977   | .49782   | .50442 | 98.600   | .51159   | 261.02   |
| Stddev | .01222  | .87      | .00085   | .00432   | .00562 | 1.506    | .00012   | .54      |
| %RSD   | 1.2439  | .34474   | .16072   | .86727   | 1.1133 | 1.5278   | .02307   | .20827   |
| #1     | .97402  | 251.64   | .53037   | .49477   | .50045 | 99.665   | .51151   | 260.63   |
| #2     | .99130  | 252.87   | .52917   | .50088   | .50839 | 97.535   | .51168   | 261.40   |
| Elem   | Ni2316  | Ag3280   | Na5895   | V_2924   | Zn2138 | K_7664   | Mo2020   | B_2496   |
| Units  | ppm     | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      |
| Avg    | .96459  | .20215   | -.08145  | .48262   | 1.0211 | -.07601  | F .93132 | F .89512 |
| Stddev | .01027  | .00028   | .00296   | .00040   | .0031  | .01703   | .01884   | .00375   |
| %RSD   | 1.0644  | .13676   | 3.6401   | .08340   | .30204 | 22.401   | 2.0235   | .41844   |
| #1     | .95733  | .20196   | -.08355  | .48234   | 1.0233 | -.08805  | .91799   | .89247   |
| #2     | .97185  | .20235   | -.07936  | .48291   | 1.0189 | -.06397  | .94464   | .89777   |
| Elem   | S_1820  | Si2881   | Sn1899   | Ti3361   | Li6707 | P_1774   | Sr4077   | U_3670   |
| Units  | ppm     | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      |
| Avg    | -.01159 | F .84073 | F .93519 | F .89190 | .00129 | F -.0003 | .10042   | F 2.8289 |
| Stddev | .00548  | .00555   | .01885   | .00792   | .00015 | .0010    | .00028   | .2524    |
| %RSD   | 47.270  | .65995   | 2.0158   | .88762   | 11.793 | 384.9    | .28099   | 8.9237   |
| #1     | -.01546 | .83680   | .92186   | .89749   | .00139 | .0004    | .10022   | 2.6504   |
| #2     | -.00771 | .84465   | .94852   | .88630   | .00118 | -.0010   | .10062   | 3.0074   |

Sample Name: ICSAB01      Acquired: 10/19/2018 11:49:10      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.4299  
Stddev      .3348  
%RSD      9.7611

#1      3.6667  
#2      3.1932

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2399.7 | 35944. | 4217.7 | 96.410 | 2741.7 |
| Stddev    | 4.8    | 24.    | 21.8   | 1.474  | 1.1    |
| %RSD      | .20053 | .06800 | .51770 | 1.5294 | .04091 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2403.1 | 35961. | 4233.1 | 95.367 | 2740.9 |
| #2 | 2396.3 | 35927. | 4202.2 | 97.453 | 2742.5 |

Sample Name: CCV01      Acquired: 10/19/2018 11:59:47      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |          |        |          |
|--------|--------|--------|--------|--------|--------|----------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961   | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 5.1405 | 5.0866 | 5.0695 | 5.1373 | 5.1991 | F 10.523 | 10.254 | .25795   |
| Stddev | .0013  | .0004  | .0039  | .0006  | .0089  | .051     | .040   | .00022   |
| %RSD   | .02578 | .00894 | .07775 | .01177 | .17114 | .48209   | .39117 | .08474   |
| #1     | 5.1396 | 5.0869 | 5.0723 | 5.1369 | 5.1928 | 10.487   | 10.226 | .25779   |
| #2     | 5.1415 | 5.0863 | 5.0667 | 5.1378 | 5.2053 | 10.559   | 10.282 | .25810   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404   | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 2.5020 | 25.931 | 1.0212 | 2.5210 | 1.2968 | 4.9075   | 2.5744 | 25.150   |
| Stddev | .0003  | .299   | .0003  | .0012  | .0010  | .0753    | .0022  | .220     |
| %RSD   | .01109 | 1.1538 | .02841 | .04702 | .07823 | 1.5336   | .08434 | .87404   |
| #1     | 2.5018 | 25.720 | 1.0210 | 2.5218 | 1.2961 | 4.8542   | 2.5760 | 24.994   |
| #2     | 2.5022 | 26.143 | 1.0214 | 2.5202 | 1.2975 | 4.9607   | 2.5729 | 25.305   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664   | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 2.4845 | 1.2856 | 25.033 | 2.5125 | 2.4997 | 25.562   | 5.2086 | 5.0859   |
| Stddev | .0052  | .0026  | .147   | .0058  | .0026  | .140     | .0037  | .0459    |
| %RSD   | .21087 | .20112 | .58784 | .23001 | .10399 | .54934   | .07157 | .90310   |
| #1     | 2.4808 | 1.2875 | 24.929 | 2.5166 | 2.4979 | 25.463   | 5.2112 | 5.0534   |
| #2     | 2.4882 | 1.2838 | 25.137 | 2.5084 | 2.5016 | 25.661   | 5.2060 | 5.1183   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774   | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 4.9977 | 5.1298 | 5.0042 | 5.0786 | 5.1446 | 4.939    | 5.0753 | F 3.3457 |
| Stddev | .0102  | .0122  | .0048  | .0675  | .0189  | .022     | .0168  | .1995    |
| %RSD   | .20413 | .23727 | .09676 | 1.3290 | .36773 | .4389    | .33000 | 5.9635   |
| #1     | 5.0049 | 5.1212 | 5.0077 | 5.0309 | 5.1312 | 4.954    | 5.0635 | 3.4868   |
| #2     | 4.9905 | 5.1384 | 5.0008 | 5.1263 | 5.1579 | 4.923    | 5.0872 | 3.2046   |

Sample Name: CCV01      Acquired: 10/19/2018 11:59:47      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.7912 |
| Stddev | .0463    |
| %RSD   | 1.6579   |

|    |        |
|----|--------|
| #1 | 2.7585 |
| #2 | 2.8239 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2500.6 | 37878. | 4320.2 | 104.47 | 3029.8 |
| Stddev    | 4.1    | 136.   | 9.6    | .04    | 6.1    |
| %RSD      | .16451 | .35889 | .22187 | .04221 | .20200 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2497.7 | 37782. | 4313.4 | 104.50 | 3025.4 |
| #2 | 2503.5 | 37975. | 4327.0 | 104.44 | 3034.1 |

Sample Name: CCB01      Acquired: 10/19/2018 12:07:45      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |        |          |
|--------|---------|---------|---------|---------|---------|---------|--------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | .00267  | .00113  | -.00094 | -.00027 | -.00137 | -.00105 | .00160 | .00000   |
| Stddev | .00158  | .00188  | .00095  | .00159  | .00208  | .00201  | .00061 | .00005   |
| %RSD   | 59.150  | 166.52  | 101.10  | 591.56  | 151.95  | 191.18  | 38.474 | 3849.9   |
| #1     | .00378  | -.00020 | -.00027 | -.00139 | .00010  | -.00248 | .00203 | -.00003  |
| #2     | .00155  | .00245  | -.00162 | .00085  | -.00284 | .00037  | .00116 | .00004   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | .00001  | -.01507 | .00006  | -.00010 | -.00030 | .00374  | .00008 | .06990   |
| Stddev | .00011  | .02667  | .00014  | .00002  | .00029  | .00536  | .00009 | .01106   |
| %RSD   | 1279.2  | 176.96  | 262.23  | 16.209  | 94.877  | 143.27  | 107.39 | 15.823   |
| #1     | -.00007 | .00379  | -.00005 | -.00011 | -.00010 | -.00005 | .00015 | .06208   |
| #2     | .00008  | -.03393 | .00016  | -.00009 | -.00051 | .00753  | .00002 | .07772   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | .00044  | -.00034 | -.12453 | -.00009 | -.00049 | -.04490 | .00019 | .00099   |
| Stddev | .00033  | .00037  | .00808  | .00011  | .00016  | .01609  | .00008 | .00952   |
| %RSD   | 75.025  | 108.75  | 6.4879  | 126.27  | 32.465  | 35.821  | 40.756 | 958.53   |
| #1     | .00067  | -.00060 | -.13024 | -.00017 | -.00038 | -.03353 | .00013 | .00773   |
| #2     | .00020  | -.00008 | -.11882 | -.00001 | -.00060 | -.05628 | .00024 | -.00574  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | -.00112 | .00256  | .00022  | -.00068 | -.00044 | -.0005  | .00010 | F 2.0386 |
| Stddev | .00398  | .00135  | .00003  | .00044  | .00036  | .0009   | .00004 | .2881    |
| %RSD   | 355.10  | 52.954  | 13.554  | 64.108  | 82.057  | 168.9   | 38.033 | 14.131   |
| #1     | -.00394 | .00160  | .00020  | -.00100 | -.00018 | .0001   | .00012 | 1.8349   |
| #2     | .00170  | .00352  | .00024  | -.00037 | -.00070 | -.0012  | .00007 | 2.2423   |

Sample Name: CCB01      Acquired: 10/19/2018 12:07:45      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .55202 |
| Stddev | .28787   |
| %RSD   | 52.149   |

|    |        |
|----|--------|
| #1 | .75557 |
| #2 | .34846 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2562.2 | 38859. | 4298.1 | 107.97 | 3318.6 |
| Stddev    | 4.0    | 82.    | 11.9   | .84    | 4.8    |
| %RSD      | .15611 | .21119 | .27661 | .77500 | .14461 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2559.4 | 38801. | 4289.7 | 107.38 | 3315.2 |
| #2 | 2565.1 | 38917. | 4306.5 | 108.56 | 3322.0 |

Sample Name: LR CHECK1      Acquired: 10/19/2018 12:24:15      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00799 | -.07534 | -.00607 | -.26581 | .04926 | 1912.3 | .00999 | .00608 |
| Stddev | .00567 | .00023  | .00077  | .01930  | .00150 | 13.0   | .00038 | .00035 |
| %RSD   | 71.033 | .29885  | 12.634  | 7.2604  | 3.0417 | .67944 | 3.8113 | 5.7329 |

|    |        |         |         |         |        |        |        |        |
|----|--------|---------|---------|---------|--------|--------|--------|--------|
| #1 | .00398 | -.07550 | -.00661 | -.25216 | .04820 | 1921.5 | .00972 | .00632 |
| #2 | .01200 | -.07518 | -.00553 | -.27945 | .05031 | 1903.1 | .01025 | .00583 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05116 | 1798.7 | .08148 | -.00111 | .09533 | 906.04 | .01964 | 1934.8 |
| Stddev | .00112 | 18.7   | .00014 | .00070  | .00020 | 8.36   | .00025 | 2.9    |
| %RSD   | 2.1859 | 1.0387 | .17260 | 63.322  | .21196 | .92234 | 1.2901 | .14979 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .05037 | 1785.5 | .08138 | -.00061 | .09519 | 911.95 | .01946 | 1932.7 |
| #2 | .05195 | 1811.9 | .08158 | -.00161 | .09547 | 900.13 | .01982 | 1936.8 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .05328 | -.04672 | 1735.1 | .00382 | .06818 | 1067.4 | .01198 | -.23186 |
| Stddev | .00068 | .00154  | 16.1   | .00048 | .00050 | .7     | .00041 | .03012  |
| %RSD   | 1.2722 | 3.2906  | .92869 | 12.564 | .72763 | .06108 | 3.4306 | 12.991  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .05280 | -.04563 | 1746.5 | .00416 | .06853 | 1067.0 | .01169 | -.21056 |
| #2 | .05376 | -.04781 | 1723.7 | .00348 | .06782 | 1067.9 | .01227 | -.25316 |

|        |        |         |        |         |        |        |        |         |
|--------|--------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .33601 | -.00892 | .07367 | -.04841 | .03349 | .0758  | .01910 | <.00000 |
| Stddev | .01590 | .00039  | .00170 | .00294  | .00051 | .0054  | .00006 | .47808  |
| %RSD   | 4.7317 | 4.3378  | 2.3106 | 6.0711  | 1.5326 | 7.178  | .30032 | 10.069  |

|    |        |         |        |         |        |       |        |         |
|----|--------|---------|--------|---------|--------|-------|--------|---------|
| #1 | .34725 | -.00919 | .07488 | -.05048 | .03385 | .0720 | .01906 | -5.0862 |
| #2 | .32477 | -.00865 | .07247 | -.04633 | .03313 | .0797 | .01914 | -4.4100 |

Sample Name: LR CHECK1      Acquired: 10/19/2018 12:24:15      Type: Unk  
 Method: P4-ICP2(v2514)      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       | 1895.0 | 28707. | 3862.0 | 80.763 | 1802.8 |
| Stddev    | 5.5    | 8.     | 17.0   | .603   | 2.7    |
| %RSD      | .28862 | .02905 | .43982 | .74721 | .15045 |
| #1        | 1891.1 | 28712. | 3874.0 | 80.336 | 1800.9 |
| #2        | 1898.8 | 28701. | 3850.0 | 81.190 | 1804.7 |

Sample Name: LR CHECK2      Acquired: 10/19/2018 12:40:49      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00859 | -.02580 | 261.32 | .01230 | -.04188 | -.29387 | 103.68 | -.00045 |
| Stddev | .00232 | .00076  | .33    | .00161 | .00052  | .01646  | 1.26   | .00011  |
| %RSD   | 26.998 | 2.9276  | .12697 | 13.134 | 1.2357  | 5.6020  | 1.2121 | 23.617  |

|    |        |         |        |        |         |         |        |         |
|----|--------|---------|--------|--------|---------|---------|--------|---------|
| #1 | .01022 | -.02633 | 261.09 | .01115 | -.04225 | -.28222 | 104.57 | -.00052 |
| #2 | .00695 | -.02526 | 261.56 | .01344 | -.04152 | -.30551 | 102.79 | -.00037 |

|        |         |        |         |         |        |         |        |         |
|--------|---------|--------|---------|---------|--------|---------|--------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00848 | .20311 | -.13575 | -.01110 | 258.67 | -.85144 | 45.412 | -.02981 |
| Stddev | .00002  | .00695 | .00049  | .00024  | 1.10   | .00603  | .039   | .01755  |
| %RSD   | .25846  | 3.4212 | .36213  | 2.1923  | .42482 | .70848  | .08578 | 58.865  |

|    |         |        |         |         |        |         |        |         |
|----|---------|--------|---------|---------|--------|---------|--------|---------|
| #1 | -.00850 | .19820 | -.13540 | -.01093 | 259.45 | -.85570 | 45.440 | -.04222 |
| #2 | -.00847 | .20803 | -.13610 | -.01127 | 257.90 | -.84717 | 45.385 | -.01740 |

|        |        |        |        |         |        |        |         |         |
|--------|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | 50.005 | .00859 | .67170 | -.00406 | 36.117 | .49215 | -.00271 | -.01317 |
| Stddev | .060   | .00079 | .01690 | .00064  | .441   | .00827 | .00030  | .00018  |
| %RSD   | .12045 | 9.2191 | 2.5155 | 15.830  | 1.2202 | 1.6805 | 10.959  | 1.3683  |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | 49.962 | .00915 | .68365 | -.00451 | 36.429 | .48631 | -.00292 | -.01305 |
| #2 | 50.048 | .00803 | .65975 | -.00361 | 35.805 | .49800 | -.00250 | -.01330 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05245 | -.00303 | .00226 | .02352 | .00256 | -.3379 | .00409 | 2.8932 |
| Stddev | .00116 | .00409  | .00047 | .00035 | .00034 | .0121  | .00006 | .0210  |
| %RSD   | 2.2113 | 135.23  | 20.797 | 1.4707 | 13.254 | 3.583  | 1.5749 | .72734 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .05163 | -.00592 | .00192 | .02376 | .00280 | -.3464 | .00413 | 2.8783 |
| #2 | .05327 | -.00013 | .00259 | .02327 | .00232 | -.3293 | .00404 | 2.9080 |

Sample Name: LR CHECK2      Acquired: 10/19/2018 12:40:49      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.2226  
 Stddev      .5176  
 %RSD      42.333

#1      .85665  
 #2      1.5886

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2332.8 | 38108. | 4342.0 | 102.93 | 3046.0 |
| Stddev    | 4.5    | 204.   | 29.4   | 1.34   | 2.2    |
| %RSD      | .19419 | .53473 | .67769 | 1.3053 | .07166 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2329.6 | 37964. | 4321.2 | 101.98 | 3044.4 |
| #2 | 2336.0 | 38252. | 4362.8 | 103.88 | 3047.5 |

Sample Name: J5535-01      Acquired: 10/19/2018 12:45:08      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BB-DRUM      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |         |        |
|--------|---------|---------|--------|---------|---------|--------|---------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00006 | -.08824 | 127.53 | -.16833 | -.05340 | 670.47 | ^ ***** | .00863 |
| Stddev | .00271  | .00611  | .09    | .01088  | .00461  | 3.53   | -----   | .00002 |
| %RSD   | 4183.3  | 6.9185  | .07043 | 6.4641  | 8.6342  | .52616 | -----   | .22764 |

|    |         |         |        |         |         |        |         |        |
|----|---------|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.00198 | -.08393 | 127.47 | -.16063 | -.05014 | 672.97 | ^ ----- | .00861 |
| #2 | .00185  | -.09256 | 127.60 | -.17602 | -.05666 | 667.98 | ^ ----- | .00864 |

|        |        |        |          |        |        |          |        |        |
|--------|--------|--------|----------|--------|--------|----------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404   | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | .32523 | 46.048 | F 23.871 | 1.6206 | .91892 | F 1069.0 | 2.6370 | 75.195 |
| Stddev | .00262 | .252   | .042     | .0037  | .00147 | 19.1     | .0051  | .064   |
| %RSD   | .80515 | .54809 | .17618   | .22850 | .16023 | 1.7906   | .19330 | .08499 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .32338 | 46.227 | 23.900 | 1.6180 | .91996 | 1082.5 | 2.6406 | 75.240 |
| #2 | .32709 | 45.870 | 23.841 | 1.6232 | .91787 | 1055.4 | 2.6334 | 75.150 |

|        |        |        |        |        |          |        |        |          |
|--------|--------|--------|--------|--------|----------|--------|--------|----------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | .07818 | .03358 | 28.822 | .24429 | F 148.21 | 7.0536 | .02785 | F 49.502 |
| Stddev | .00013 | .00123 | .182   | .00131 | 4.46     | .0103  | .00015 | .335     |
| %RSD   | .16796 | 3.6679 | .63264 | .53781 | 3.0088   | .14625 | .55619 | .67693   |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .07827 | .03445 | 28.951 | .24521 | 151.36 | 7.0463 | .02796 | 49.739 |
| #2 | .07809 | .03271 | 28.693 | .24336 | 145.06 | 7.0609 | .02774 | 49.265 |

|        |          |        |        |          |        |         |        |         |
|--------|----------|--------|--------|----------|--------|---------|--------|---------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361   | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    | ppm     |
| Avg    | F 20.956 | 1.1928 | .21407 | F 12.925 | .09270 | F 11.51 | .94093 | <.00000 |
| Stddev | .101     | .0073  | .00132 | .067     | .00115 | .04     | .00383 | .22894  |
| %RSD   | .48224   | .60746 | .61781 | .52219   | 1.2459 | .3259   | .40671 | .53232  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 20.884 | 1.1979 | .21313 | 12.973 | .09352 | 11.49 | .94364 | -42.845 |
| #2 | 21.027 | 1.1877 | .21500 | 12.878 | .09188 | 11.54 | .93822 | -43.169 |

Sample Name: J5535-01      Acquired: 10/19/2018 12:45:08      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: BB-DRUM      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       | 2167.3 | 34294. | 4380.8 | 83.365 | 2362.6 |
| Stddev    | 2.4    | 95.    | 18.5   | 1.482  | 2.2    |
| %RSD      | .11257 | .27771 | .42165 | 1.7780 | .09349 |
| #1        | 2169.0 | 34227. | 4367.8 | 82.317 | 2364.2 |
| #2        | 2165.6 | 34362. | 4393.9 | 84.413 | 2361.1 |

Sample Name: J5536-01      Acquired: 10/19/2018 12:49:18      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 351-SOIL      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .22024 | -.01809 | 6.6443 | -.01099 | .01497 | 72.573 | 2.8433 |
| Stddev | .00493 | .00180  | .0179  | .00280  | .00027 | .776   | .0074  |
| %RSD   | 2.2382 | 9.9398  | .26900 | 25.444  | 1.8161 | 1.0695 | .25953 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .22373 | -.01936 | 6.6569 | -.01297 | .01517 | 72.024 | 2.8486 |
| #2 | .21676 | -.01682 | 6.6317 | -.00901 | .01478 | 73.122 | 2.8381 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00529 | .01479 | 352.82 | .16443 | .10361 | 1.4883 | 263.94 |
| Stddev | .00027 | .00066 | .13    | .00150 | .00082 | .0095  | .55    |
| %RSD   | 5.1470 | 4.4595 | .03814 | .91114 | .79431 | .63655 | .20772 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00548 | .01526 | 352.92 | .16337 | .10419 | 1.4950 | 263.55 |
| #2 | .00510 | .01433 | 352.73 | .16549 | .10302 | 1.4816 | 264.32 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.0691 | 29.356 | .28659 | -.00026 | 11.427 | .37199 | 7.2905 |
| Stddev | .0223  | .277   | .00291 | .00053  | .016   | .00097 | .0388  |
| %RSD   | .72816 | .94287 | 1.0137 | 207.15  | .14004 | .26068 | .53251 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.0533 | 29.551 | .28865 | .00012  | 11.438 | .37131 | 7.2630 |
| #2 | 3.0849 | 29.160 | .28454 | -.00063 | 11.415 | .37268 | 7.3179 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 13.553 | .02504 | .08790 | F 22.470 | 3.5229 | .41402 | 3.3096 |
| Stddev | .001   | .00035 | .00197 | .119     | .0111  | .00314 | .0080  |
| %RSD   | .00728 | 1.4128 | 2.2467 | .52869   | .31480 | .75867 | .24154 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.554 | .02529 | .08650 | 22.554 | 3.5151 | .41624 | 3.3152 |
| #2 | 13.552 | .02479 | .08930 | 22.386 | 3.5308 | .41180 | 3.3039 |

Sample Name: J5536-01      Acquired: 10/19/2018 12:49:18      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 351-SOIL      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .12722 | 8.999  | 1.5481 | <.00000 | F<.00000 |
| Stddev | .00136 | .054   | .0069  | .42092  | .60211   |
| %RSD   | 1.0667 | .5976  | .44866 | 10.895  | 1.5705   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .12818 | 9.037 | 1.5530 | -4.1611 | -37.913 |
| #2 | .12626 | 8.961 | 1.5432 | -3.5658 | -38.764 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2575.7 | 39973. | 4862.2 | 100.62 | 2785.0 |
| Stddev    | 8.6    | 427.   | 2.2    | .38    | 14.2   |
| %RSD      | .33368 | 1.0684 | .04587 | .37730 | .50946 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2569.6 | 40275. | 4863.8 | 100.88 | 2775.0 |
| #2 | 2581.8 | 39671. | 4860.6 | 100.35 | 2795.1 |

Sample Name: J5538-04      Acquired: 10/19/2018 12:53:21      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NL\_7      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.02928 | -.00294 | .03059 | -.00504 | -.16938 | .15479 | .00290 |
| Stddev | .00311  | .00167  | .00022 | .00240  | .00166  | .01010 | .00038 |
| %RSD   | 10.624  | 56.989  | .71784 | 47.586  | .97759  | 6.5277 | 12.970 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.03148 | -.00175 | .03044 | -.00674 | -.16821 | .16193 | .00263 |
| #2 | -.02708 | -.00412 | .03075 | -.00335 | -.17055 | .14764 | .00317 |

|        |         |        |        |          |        |        |        |
|--------|---------|--------|--------|----------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | -.00162 | .00067 | .66714 | F 120.67 | .00304 | .82154 | 4.2817 |
| Stddev | .00005  | .00003 | .01838 | .07      | .00005 | .00203 | .0224  |
| %RSD   | 3.1208  | 5.0002 | 2.7554 | .06120   | 1.6147 | .24730 | .52225 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00158 | .00065 | .68014 | 120.61 | .00300 | .82010 | 4.2975 |
| #2 | -.00165 | .00070 | .65415 | 120.72 | .00307 | .82297 | 4.2659 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .06218 | .22840 | 8.7173 | .00035 | 215.68 | .11110 | .65440 |
| Stddev | .00040 | .00198 | .0272  | .00087 | .36    | .00120 | .01010 |
| %RSD   | .64681 | .86897 | .31190 | 249.45 | .16772 | 1.0805 | 1.5440 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .06190 | .22981 | 8.7366 | .00096  | 215.42 | .11195 | .66154 |
| #2 | .06246 | .22700 | 8.6981 | -.00027 | 215.94 | .11025 | .64725 |

|        |        |        |          |          |        |         |         |
|--------|--------|--------|----------|----------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496   | S_1820   | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm      | ppm      | ppm    | ppm     | ppm     |
| Avg    | 255.54 | .00559 | F 51.839 | F 217.74 | .95455 | -.06405 | -.00076 |
| Stddev | 1.18   | .00034 | .153     | .55      | .00301 | .00047  | .00064  |
| %RSD   | .46234 | 6.0585 | .29576   | .25322   | .31567 | .73822  | 84.437  |

|    |        |        |        |        |        |         |         |
|----|--------|--------|--------|--------|--------|---------|---------|
| #1 | 254.71 | .00535 | 51.730 | 218.13 | .95242 | -.06439 | -.00031 |
| #2 | 256.38 | .00583 | 51.947 | 217.35 | .95668 | -.06372 | -.00122 |

Sample Name: J5538-04      Acquired: 10/19/2018 12:53:21      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: NL\_7      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02242 | .9024  | .00784 | 3.0753 | F<.00000 |
| Stddev | .00034 | .0045  | .00008 | .1314  | .50692   |
| %RSD   | 1.4981 | .5002  | 1.0379 | 4.2739 | 42.542   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02266 | .8992 | .00790 | 3.1682 | -.83313 |
| #2 | .02218 | .9056 | .00778 | 2.9823 | -1.5500 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2144.3 | 36038. | 4292.9 | 105.27 | 2908.2 |
| Stddev    | 9.6    | 39.    | 6.5    | 1.80   | 17.3   |
| %RSD      | .44642 | .10857 | .15094 | 1.7137 | .59390 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2137.5 | 36065. | 4288.4 | 103.99 | 2896.0 |
| #2 | 2151.1 | 36010. | 4297.5 | 106.54 | 2920.4 |

Sample Name: J5538-05      Acquired: 10/19/2018 12:57:28      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NL-7      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00236 | -.00028 | .00110 | .00038 | -.00971 | .00199 | .00239 | -.00011 |
| Stddev | .00229 | .00068  | .00118 | .00408 | .00048  | .00509 | .00041 | .00004  |
| %RSD   | 96.823 | 238.22  | 106.99 | 1080.0 | 4.9084  | 255.05 | 17.284 | 38.626  |

|    |        |         |        |         |         |         |        |         |
|----|--------|---------|--------|---------|---------|---------|--------|---------|
| #1 | .00398 | .00020  | .00194 | .00327  | -.00938 | -.00160 | .00268 | -.00008 |
| #2 | .00074 | -.00076 | .00027 | -.00251 | -.01005 | .00559  | .00210 | -.00014 |

|        |         |        |          |        |        |        |        |        |
|--------|---------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00046 | 2.3725 | F 2.1021 | .00226 | 5.4937 | .01404 | .00076 | .01538 |
| Stddev | .00014  | .0166  | .0404    | .00049 | .0781  | .00748 | .00006 | .00047 |
| %RSD   | 31.089  | .70042 | 1.9235   | 21.588 | 1.4222 | 53.252 | 7.6351 | 3.0564 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00036 | 2.3842 | 2.0735 | .00261 | 5.5490 | .00876 | .00081 | .01505 |
| #2 | -.00056 | 2.3607 | 2.1306 | .00192 | 5.4385 | .01933 | .00072 | .01571 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5895 | -.00035 | 166.55 | .00188 | .01370 | 63.339 | .02759 | 8.1837 |
| Stddev | .0328  | .00020  | .71    | .00011 | .00063 | .286   | .00070 | .0582  |
| %RSD   | 1.2652 | 55.938  | .42759 | 5.5853 | 4.5678 | .45182 | 2.5467 | .71146 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6126 | -.00049 | 167.05 | .00195 | .01326 | 63.542 | .02808 | 8.2249 |
| #2 | 2.5663 | -.00021 | 166.05 | .00181 | .01414 | 63.137 | .02709 | 8.1425 |

|        |          |        |         |        |        |        |        |        |
|--------|----------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 43.649 | .05710 | -.01556 | .00319 | .00039 | .2722  | .00554 | 3.3041 |
| Stddev | .544     | .00508 | .00012  | .00000 | .00017 | .0029  | .00000 | .0088  |
| %RSD   | 1.2471   | 8.8898 | .77247  | .08604 | 43.154 | 1.074  | .01309 | .26702 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 44.034 | .05351 | -.01564 | .00319 | .00027 | .2743 | .00554 | 3.2979 |
| #2 | 43.264 | .06069 | -.01547 | .00319 | .00050 | .2702 | .00554 | 3.3104 |

Sample Name: J5538-05      Acquired: 10/19/2018 12:57:28      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NL-7      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.5757 |
| Stddev | .3466  |
| %RSD   | 21.998 |

|    |        |
|----|--------|
| #1 | 1.8208 |
| #2 | 1.3306 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2388.7 | 37066. | 4258.6 | 105.74 | 3015.7 |
| Stddev    | 31.2   | 526.   | 3.6    | .94    | 36.0   |
| %RSD      | 1.3072 | 1.4193 | .08563 | .88472 | 1.1936 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2366.6 | 37438. | 4256.1 | 106.41 | 2990.3 |
| #2 | 2410.8 | 36694. | 4261.2 | 105.08 | 3041.2 |

Sample Name: J5538-06      Acquired: 10/19/2018 13:01:28      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BL01      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |        |        |        |        |         |
|--------|----------|---------|---------|--------|--------|--------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .03339   | -.00183 | .20890  | .00159 | .00584 | .09138 | .01921 | .00002  |
| Stddev | .00010   | .00170  | .00308  | .00119 | .00239 | .00355 | .00175 | .00003  |
| %RSD   | .29664   | 92.807  | 1.4720  | 74.918 | 40.906 | 3.8812 | 9.1083 | 169.90  |
| #1     | .03332   | -.00063 | .21107  | .00243 | .00415 | .09388 | .02045 | -.00000 |
| #2     | .03346   | -.00303 | .20673  | .00075 | .00752 | .08887 | .01797 | .00004  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00003  | .03950  | .04748  | .00444 | 8.0248 | 1.6092 | .00382 | .04917  |
| Stddev | .00005   | .00165  | .00040  | .00012 | .0208  | .1326  | .00003 | .00151  |
| %RSD   | 182.58   | 4.1766  | .84369  | 2.6306 | .25931 | 8.2396 | .87609 | 3.0795  |
| #1     | -.00006  | .03833  | .04719  | .00436 | 8.0395 | 1.7029 | .00384 | .05024  |
| #2     | .00001   | .04067  | .04776  | .00452 | 8.0100 | 1.5154 | .00379 | .04810  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .24438   | .00024  | 907.46  | .00035 | .68786 | 779.05 | .00782 | 4.7635  |
| Stddev | .00018   | .00014  | 65.10   | .00011 | .03791 | 46.68  | .00016 | .3478   |
| %RSD   | .07552   | 58.815  | 7.1739  | 31.456 | 5.5113 | 5.9924 | 1.9942 | 7.3006  |
| #1     | .24425   | .00035  | 953.49  | .00028 | .71467 | 812.06 | .00771 | 5.0095  |
| #2     | .24451   | .00014  | 861.42  | .00043 | .66106 | 746.04 | .00793 | 4.5176  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 22.691 | 1.3757  | -.00449 | .01769 | .00459 | 4.423  | .00500 | 4.5231  |
| Stddev | .103     | .0701   | .00128  | .00280 | .00028 | .001   | .00025 | .0764   |
| %RSD   | .45535   | 5.0945  | 28.621  | 15.820 | 6.0269 | .0302  | 4.9820 | 1.6883  |
| #1     | 22.764   | 1.4252  | -.00540 | .01967 | .00478 | 4.422  | .00518 | 4.4691  |
| #2     | 22.618   | 1.3261  | -.00358 | .01571 | .00439 | 4.424  | .00482 | 4.5771  |

Sample Name: J5538-06      Acquired: 10/19/2018 13:01:28      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BL01      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.9589 |
| Stddev | .5431  |
| %RSD   | 13.718 |

|    |        |
|----|--------|
| #1 | 4.3429 |
| #2 | 3.5749 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2276.2 | 33603. | 4070.9 | 99.575 | 2675.3 |
| Stddev    | 8.0    | 23.    | 236.2  | 5.480  | 9.5    |
| %RSD      | .35348 | .06945 | 5.8030 | 5.5035 | .35456 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2270.5 | 33587. | 3903.9 | 95.700 | 2668.6 |
| #2 | 2281.9 | 33620. | 4238.0 | 103.45 | 2682.0 |

Sample Name: J5538-07      Acquired: 10/19/2018 13:05:38      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OXL01      Custom ID2:      Custom ID3:  
Comment:

|        |           |          |          |         |          |        |        |
|--------|-----------|----------|----------|---------|----------|--------|--------|
| Elem   | As1890    | Tl1908   | Pb2203   | Se1960  | Sb2068   | Al3961 | Ba4934 |
| Units  | ppm       | ppm      | ppm      | ppm     | ppm      | ppm    | ppm    |
| Avg    | k -.09564 | k .00046 | k .25238 | -.00741 | k 2.3981 | .50316 | .01371 |
| Stddev | .00236    | .00026   | .00189   | .00138  | .0417    | .00275 | .00022 |
| %RSD   | 2.4685    | 56.576   | .75015   | 18.602  | 1.7404   | .54687 | 1.5818 |

|    |           |          |          |         |          |        |        |
|----|-----------|----------|----------|---------|----------|--------|--------|
| #1 | k -.09397 | k .00065 | k .25104 | -.00643 | k 2.3686 | .50122 | .01356 |
| #2 | k -.09731 | k .00028 | k .25372 | -.00838 | k 2.4276 | .50511 | .01386 |

|        |         |        |        |          |          |          |          |
|--------|---------|--------|--------|----------|----------|----------|----------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677   | Co2286   | Cu2247   | Fe2404   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.00509 | .00410 | .65226 | F 299.72 | k .01854 | k 10.591 | k 8.1705 |
| Stddev | .00011  | .00002 | .00896 | 1.84     | .00001   | .058     | .2294    |
| %RSD   | 2.1253  | .38031 | 1.3744 | .61251   | .03170   | .55222   | 2.8081   |

|    |         |        |        |        |          |          |          |
|----|---------|--------|--------|--------|----------|----------|----------|
| #1 | -.00516 | .00411 | .64592 | 301.02 | k .01855 | k 10.632 | 8.3327   |
| #2 | -.00501 | .00409 | .65859 | 298.42 | k .01854 | k 10.550 | k 8.0083 |

|        |        |        |          |           |        |         |          |
|--------|--------|--------|----------|-----------|--------|---------|----------|
| Elem   | Mn2576 | Mg2790 | Ni2316   | Ag3280    | Na5895 | V_2924  | Zn2138   |
| Units  | ppm    | ppm    | ppm      | ppm       | ppm    | ppm     | ppm      |
| Avg    | .06561 | .17677 | k 11.484 | k -.01117 | 160.67 | ^ ***** | k 7.6958 |
| Stddev | .00028 | .02170 | .070     | .00070    | .05    | ----    | .3153    |
| %RSD   | .43194 | 12.276 | .61375   | 6.2531    | .03089 | ----    | 4.0968   |

|    |        |        |          |           |        |        |          |
|----|--------|--------|----------|-----------|--------|--------|----------|
| #1 | .06581 | .16143 | k 11.533 | k -.01067 | 160.63 | ^ ---- | k 7.9187 |
| #2 | .06541 | .19212 | k 11.434 | k -.01166 | 160.70 | ^ ---- | k 7.4728 |

|        |        |        |           |           |           |          |          |
|--------|--------|--------|-----------|-----------|-----------|----------|----------|
| Elem   | K_7664 | Mo2020 | B_2496    | S_1820    | Si2881    | Sn1899   | Ti3361   |
| Units  | ppm    | ppm    | ppm       | ppm       | ppm       | ppm      | ppm      |
| Avg    | 92.692 | .02562 | kF 19.662 | kF 78.149 | k -.74422 | k .35875 | k .30225 |
| Stddev | .012   | .00013 | .030      | .369      | .00314    | .00167   | .00624   |
| %RSD   | .01329 | .49548 | .15209    | .47230    | .42214    | .46512   | 2.0655   |

|    |        |        |          |          |           |          |          |
|----|--------|--------|----------|----------|-----------|----------|----------|
| #1 | 92.701 | .02553 | k 19.640 | k 78.410 | k -.74200 | k .35993 | k .29783 |
| #2 | 92.683 | .02571 | k 19.683 | k 77.888 | k -.74644 | k .35757 | k .30666 |

Sample Name: J5538-07      Acquired: 10/19/2018 13:05:38      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OXL01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .00224 | k .3746 | .24001 | 2.8806 | F<.00000 |
| Stddev | .00103 | .0007   | .00055 | .1150  | .26535   |
| %RSD   | 46.005 | .1789   | .22954 | 3.9917 | 1.9233   |

|    |        |         |        |        |         |
|----|--------|---------|--------|--------|---------|
| #1 | .00151 | k .3741 | .24040 | 2.9619 | -13.609 |
| #2 | .00297 | k .3751 | .23963 | 2.7993 | -13.984 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1682.6 | 36439. | 4127.7 | 105.53 | 2944.3 |
| Stddev    | 10.0   | 162.   | 28.3   | 4.42   | 17.6   |
| %RSD      | .59320 | .44483 | .68547 | 4.1855 | .59924 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 1675.6 | 36325. | 4107.7 | 102.41 | 2931.9 |
| #2 | 1689.7 | 36554. | 4147.7 | 108.66 | 2956.8 |

Sample Name: J5538-08      Acquired: 10/19/2018 13:09:40      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AOXL      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |         |
|--------|--------|---------|--------|---------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00242 | -.00357 | .46019 | -.02386 | -.06410 | 2.0320 | .00864 | -.00141 |
| Stddev | .00308 | .00395  | .00179 | .00329  | .00397  | .0008  | .00015 | .00010  |
| %RSD   | 127.02 | 110.79  | .38968 | 13.773  | 6.1875  | .03668 | 1.7325 | 7.0200  |

|    |        |         |        |         |         |        |        |         |
|----|--------|---------|--------|---------|---------|--------|--------|---------|
| #1 | .00460 | -.00636 | .46146 | -.02153 | -.06130 | 2.0315 | .00853 | -.00134 |
| #2 | .00025 | -.00077 | .45893 | -.02618 | -.06691 | 2.0326 | .00874 | -.00148 |

|        |        |        |          |        |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .31794 | .64019 | F 13.968 | .05361 | 25.068 | 90.132 | .41090 | .18590 |
| Stddev | .00108 | .00898 | .028     | .00059 | .006   | 1.123  | .00059 | .01420 |
| %RSD   | .34042 | 1.4029 | .20397   | 1.0932 | .02576 | 1.2460 | .14352 | 7.6378 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .31871 | .64654 | 13.947 | .05402 | 25.073 | 89.337 | .41048 | .17586 |
| #2 | .31718 | .63384 | 13.988 | .05320 | 25.064 | 90.926 | .41131 | .19594 |

|        |          |        |        |        |        |        |        |          |
|--------|----------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F 71.936 | .00446 | 17.727 | .02192 | 10.111 | 5.9464 | .00898 | F 11.631 |
| Stddev | .107     | .00044 | .052   | .00028 | .119   | .0264  | .00038 | .024     |
| %RSD   | .14913   | 9.9422 | .29240 | 1.2853 | 1.1805 | .44361 | 4.2290 | .20512   |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 72.012 | .00477 | 17.691 | .02212 | 10.026 | 5.9277 | .00871 | 11.648 |
| #2 | 71.860 | .00414 | 17.764 | .02172 | 10.195 | 5.9650 | .00924 | 11.614 |

|        |          |        |        |        |        |        |        |         |
|--------|----------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 110.77 | .02374 | .34384 | .09620 | .00106 | 1.349  | .00803 | <.00000 |
| Stddev | .20      | .00289 | .00213 | .00023 | .00084 | .004   | .00010 | .30917  |
| %RSD   | .18096   | 12.176 | .61832 | .23586 | 79.424 | .3004  | 1.3027 | 18.008  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 110.91 | .02169 | .34535 | .09604 | .00047 | 1.346 | .00796 | -1.9354 |
| #2 | 110.63 | .02578 | .34234 | .09636 | .00166 | 1.351 | .00810 | -1.4982 |

Sample Name: J5538-08      Acquired: 10/19/2018 13:09:40      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: AOXL      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      .26311  
 %RSD      39.215

#1      -.48489  
 #2      -.85699

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2401.7 | 38574. | 4346.3 | 103.37 | 3131.8 |
| Stddev    | 10.6   | 11.    | .4     | .81    | 19.1   |
| %RSD      | .44030 | .02798 | .00891 | .78056 | .61070 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2394.2 | 38582. | 4346.0 | 103.94 | 3118.3 |
| #2 | 2409.2 | 38566. | 4346.6 | 102.80 | 3145.3 |

Sample Name: J5538-09      Acquired: 10/19/2018 13:13:36      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AL01      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00136 | -.00171 | .06333 | -.01235 | -.03485 | 1.7158 | .00779 | .00027 |
| Stddev | .00280  | .00023  | .00028 | .00010  | .00000  | .0333  | .00048 | .00009 |
| %RSD   | 206.09  | 13.134  | .43938 | .82387  | .00025  | 1.9425 | 6.1411 | 31.621 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00062  | -.00155 | .06313 | -.01242 | -.03485 | 1.6922 | .00813 | .00021 |
| #2 | -.00334 | -.00187 | .06352 | -.01227 | -.03485 | 1.7393 | .00745 | .00033 |

|        |        |        |          |        |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05241 | .54902 | F 2.3824 | .08269 | 12.729 | 28.157 | .39618 | .15756 |
| Stddev | .00001 | .01686 | .0042    | .00001 | .024   | .259   | .00014 | .02788 |
| %RSD   | .02153 | 3.0718 | .17692   | .00667 | .18879 | .92069 | .03622 | 17.698 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .05242 | .56094 | 2.3794 | .08268 | 12.712 | 27.973 | .39628 | .17728 |
| #2 | .05241 | .53709 | 2.3854 | .08269 | 12.746 | 28.340 | .39608 | .13784 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 44.015 | .00125 | 64.440 | .01014 | 25.201 | 12.639 | .03992 | 2.5384 |
| Stddev | .050   | .00013 | .090   | .00016 | .153   | .023   | .00039 | .0028  |
| %RSD   | .11336 | 10.224 | .14027 | 1.6043 | .60768 | .18448 | .97600 | .11121 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 43.980 | .00134 | 64.504 | .01003 | 25.092 | 12.623 | .03965 | 2.5364 |
| #2 | 44.051 | .00116 | 64.376 | .01026 | 25.309 | 12.656 | .04020 | 2.5404 |

|        |          |        |        |        |        |         |        |        |
|--------|----------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | F 331.02 | .24221 | .28130 | .03399 | .00010 | F 76.91 | .00182 | 1.4608 |
| Stddev | .76      | .00241 | .00055 | .00054 | .00095 | .09     | .00014 | .1344  |
| %RSD   | .22815   | .99686 | .19493 | 1.5959 | 917.49 | .1118   | 7.8955 | 9.2041 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | 330.49 | .24050 | .28091 | .03360 | .00078  | 76.85 | .00172 | 1.5558 |
| #2 | 331.55 | .24392 | .28168 | .03437 | -.00057 | 76.97 | .00192 | 1.3657 |

Sample Name: J5538-09      Acquired: 10/19/2018 13:13:36      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AL01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      5.8554  
Stddev      .2164  
%RSD      3.6949

#1      5.7024  
#2      6.0084

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2429.5 | 38191. | 4348.4 | 107.18 | 3126.7 |
| Stddev    | 1.6    | 37.    | 14.6   | .62    | 1.6    |
| %RSD      | .06527 | .09725 | .33682 | .58079 | .05136 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2428.4 | 38164. | 4338.0 | 107.62 | 3125.6 |
| #2 | 2430.6 | 38217. | 4358.7 | 106.74 | 3127.8 |

Sample Name: CCV02      Acquired: 10/19/2018 13:17:33      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14023      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1682 | 4.7634 | 4.9515 | 5.0984 | 5.2771 | 10.377 | 10.120 | .25185   |
| Stddev | .0008  | .0034  | .0080  | .0126  | .0053  | .190   | .120   | .00029   |
| %RSD   | .01486 | .07141 | .16064 | .24615 | .09973 | 1.8341 | 1.1889 | .11683   |
| #1     | 5.1677 | 4.7610 | 4.9459 | 5.0895 | 5.2734 | 10.511 | 10.035 | .25206   |
| #2     | 5.1688 | 4.7658 | 4.9571 | 5.1073 | 5.2808 | 10.242 | 10.205 | .25164   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3881 | 25.373 | .94692 | 2.4407 | 1.2766 | 4.5760 | 2.5041 | 24.759   |
| Stddev | .0013  | .176   | .00561 | .0006  | .0024  | .0431  | .0052  | .018     |
| %RSD   | .05360 | .69533 | .59258 | .02612 | .19022 | .94172 | .20776 | .07265   |
| #1     | 2.3872 | 25.248 | .95089 | 2.4412 | 1.2783 | 4.5456 | 2.5077 | 24.747   |
| #2     | 2.3890 | 25.498 | .94296 | 2.4403 | 1.2749 | 4.6065 | 2.5004 | 24.772   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3466 | 1.2237 | 23.933 | 2.3378 | 2.3540 | 25.368 | 5.2757 | 4.8898   |
| Stddev | .0022  | .0001  | .287   | .0015  | .0595  | .278   | .0021  | .0012    |
| %RSD   | .09314 | .00438 | 1.1988 | .06629 | 2.5267 | 1.0942 | .03927 | .02467   |
| #1     | 2.3451 | 1.2236 | 23.730 | 2.3389 | 2.3119 | 25.171 | 5.2771 | 4.8906   |
| #2     | 2.3482 | 1.2237 | 24.136 | 2.3367 | 2.3960 | 25.564 | 5.2742 | 4.8889   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8994 | 4.9915 | 4.8001 | 4.9688 | 5.0082 | 4.706  | 4.8951 | F 4.1699 |
| Stddev | .0107  | .1020  | .0030  | .0112  | .0586  | .002   | .0551  | .2543    |
| %RSD   | .21779 | 2.0437 | .06163 | .22518 | 1.1696 | .0415  | 1.1245 | 6.0985   |
| #1     | 4.9070 | 4.9193 | 4.7980 | 4.9609 | 4.9668 | 4.707  | 4.8562 | 4.3497   |
| #2     | 4.8919 | 5.0636 | 4.8022 | 4.9767 | 5.0497 | 4.705  | 4.9340 | 3.9901   |

Sample Name: CCV02      Acquired: 10/19/2018 13:17:33      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14023      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.5062  
Stddev      .0657  
%RSD      2.6232

#1      2.4598  
#2      2.5527

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2348.8 | 36929. | 4254.1 | 105.59 | 2966.2 |
| Stddev    | 1.0    | 218.   | 50.7   | 2.68   | .4     |
| %RSD      | .04259 | .59140 | 1.1921 | 2.5364 | .01444 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2348.1 | 36775. | 4290.0 | 107.49 | 2965.9 |
| #2 | 2349.5 | 37084. | 4218.3 | 103.70 | 2966.5 |

Sample Name: CCB02      Acquired: 10/19/2018 13:21:18      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14023      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |        |         |          |
|--------|---------|---------|---------|---------|---------|--------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      |
| Avg    | .00218  | .00114  | -.00005 | -.00302 | -.00048 | .00543 | .00084  | .00002   |
| Stddev | .00235  | .00072  | .00038  | .00079  | .00132  | .00188 | .00040  | .00003   |
| %RSD   | 107.62  | 63.139  | 823.33  | 26.279  | 277.64  | 34.614 | 47.842  | 147.30   |
| #1     | .00384  | .00164  | .00022  | -.00358 | .00046  | .00410 | .00056  | .00005   |
| #2     | .00052  | .00063  | -.00032 | -.00246 | -.00141 | .00676 | .00113  | -.00000  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      |
| Avg    | .00001  | -.00519 | .00018  | -.00011 | -.00018 | .00254 | -.00003 | .03569   |
| Stddev | .00011  | .03188  | .00062  | .00009  | .00041  | .00277 | .00000  | .00249   |
| %RSD   | 730.54  | 614.50  | 342.19  | 76.677  | 227.71  | 109.45 | 4.2904  | 6.9672   |
| #1     | -.00006 | -.02773 | .00062  | -.00005 | .00011  | .00057 | -.00003 | .03393   |
| #2     | .00009  | .01736  | -.00026 | -.00018 | -.00047 | .00450 | -.00003 | .03745   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      |
| Avg    | .00127  | -.00009 | .01487  | -.00027 | .00131  | .10224 | .00010  | F .02921 |
| Stddev | .00050  | .00022  | .00062  | .00028  | .00019  | .02300 | .00008  | .00437   |
| %RSD   | 39.263  | 255.27  | 4.1929  | 105.85  | 14.668  | 22.491 | 72.697  | 14.951   |
| #1     | .00092  | -.00024 | .01443  | -.00007 | .00144  | .08598 | .00016  | .02612   |
| #2     | .00162  | .00007  | .01531  | -.00047 | .00117  | .11850 | .00005  | .03230   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      |
| Avg    | .00228  | -.00183 | .00036  | -.00019 | -.00024 | -.0019 | .00009  | F 2.4669 |
| Stddev | .00121  | .00000  | .00085  | .00132  | .00093  | .0006  | .00000  | .0325    |
| %RSD   | 53.032  | .20168  | 236.87  | 699.18  | 391.68  | 29.28  | .41827  | 1.3157   |
| #1     | .00314  | -.00183 | .00096  | -.00113 | -.00089 | -.0023 | .00009  | 2.4440   |
| #2     | .00143  | -.00184 | -.00024 | .00075  | .00042  | -.0015 | .00009  | 2.4899   |

Sample Name: CCB02      Acquired: 10/19/2018 13:21:18      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14023      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .71724 |
| Stddev | .19868   |
| %RSD   | 27.701   |

|    |        |
|----|--------|
| #1 | .57674 |
| #2 | .85773 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2452.0 | 38435. | 4210.6 | 104.80 | 3300.7 |
| Stddev    | 8.0    | 65.    | .0     | 2.02   | 10.8   |
| %RSD      | .32770 | .17029 | .00069 | 1.9230 | .32833 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2446.3 | 38388. | 4210.6 | 103.38 | 3293.0 |
| #2 | 2457.7 | 38481. | 4210.6 | 106.23 | 3308.3 |

Sample Name: J5538-10      Acquired: 10/19/2018 13:25:23      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CNL01      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |         |        |        |
|--------|--------|---------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00989 | -.00093 | .09834 | .00622 | -.01366 | -.02643 | .01289 | .00035 |
| Stddev | .00121 | .00048  | .00102 | .00027 | .00021  | .00464  | .00055 | .00007 |
| %RSD   | 12.208 | 51.416  | 1.0325 | 4.3212 | 1.5343  | 17.557  | 4.2325 | 19.897 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00903 | -.00127 | .09762 | .00641 | -.01351 | -.02315 | .01250 | .00030 |
| #2 | .01074 | -.00059 | .09906 | .00603 | -.01380 | -.02971 | .01327 | .00039 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00314 | .12405 | .07557 | .01814 | 51.610 | .61463 | .00490 | .05564 |
| Stddev | .00004  | .00255 | .00109 | .00015 | .099   | .02678 | .00014 | .03063 |
| %RSD   | 1.1415  | 2.0592 | 1.4377 | .82919 | .19127 | 4.3578 | 2.7779 | 55.049 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00312 | .12225 | .07634 | .01825 | 51.680 | .59569 | .00499 | .03398 |
| #2 | -.00317 | .12586 | .07480 | .01803 | 51.540 | .63357 | .00480 | .07730 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 19.079 | .00176 | 374.16 | .00050 | 1.3163 | 629.86 | 1.8687 | 3.3623 |
| Stddev | .056   | .00031 | 1.35   | .00015 | .0076  | 1.15   | .0020  | .0279  |
| %RSD   | .29149 | 17.595 | .36150 | 30.047 | .57906 | .18277 | .10665 | .82925 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 19.118 | .00198 | 375.11 | .00061 | 1.3109 | 629.04 | 1.8702 | 3.3426 |
| #2 | 19.040 | .00154 | 373.20 | .00040 | 1.3217 | 630.67 | 1.8673 | 3.3821 |

|        |          |        |         |        |        |         |        |        |
|--------|----------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | F 76.387 | .60629 | -.02601 | .03044 | .00172 | F 16.66 | .00393 | 4.0978 |
| Stddev | .242     | .00545 | .00038  | .00181 | .00065 | .04     | .00008 | .3175  |
| %RSD   | .31668   | .89870 | 1.4449  | 5.9316 | 37.625 | .2411   | 2.1598 | 7.7478 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 76.558 | .60243 | -.02628 | .02916 | .00126 | 16.69 | .00387 | 3.8733 |
| #2 | 76.216 | .61014 | -.02575 | .03171 | .00217 | 16.63 | .00399 | 4.3223 |

Sample Name: J5538-10      Acquired: 10/19/2018 13:25:23      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CNL01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.4161 |
| Stddev | .1875  |
| %RSD   | 7.7594 |

|    |        |
|----|--------|
| #1 | 2.5487 |
| #2 | 2.2836 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2234.3 | 34613. | 4252.0 | 104.24 | 2767.3 |
| Stddev    | 8.7    | 61.    | 2.2    | .41    | 13.9   |
| %RSD      | .39003 | .17743 | .05268 | .39509 | .50184 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2228.2 | 34569. | 4250.4 | 104.53 | 2757.5 |
| #2 | 2240.5 | 34656. | 4253.6 | 103.95 | 2777.1 |

Sample Name: J5565-01      Acquired: 10/19/2018 13:29:27      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RLF-SD-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .07361 | -.01069 | .11003 | -.05127 | .00390 | 95.263 | .61325 |
| Stddev | .00185 | .00201  | .00031 | .00525  | .00283 | .332   | .00716 |
| %RSD   | 2.5106 | 18.848  | .28122 | 10.250  | 72.617 | .34880 | 1.1678 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .07491 | -.00926 | .11025 | -.05498 | .00590 | 95.498 | .61831 |
| #2 | .07230 | -.01211 | .10981 | -.04755 | .00190 | 95.028 | .60818 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00284 | .00375 | 109.51 | .10607 | .11280 | .08071 | 237.68 |
| Stddev | .00016 | .00101 | 1.05   | .00061 | .00028 | .00420 | 7.33   |
| %RSD   | 5.7858 | 27.056 | .96207 | .57428 | .24562 | 5.2015 | 3.0823 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00272 | .00446 | 110.25 | .10650 | .11300 | .08368 | 232.50 |
| #2 | .00295 | .00303 | 108.76 | .10564 | .11260 | .07774 | 242.86 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.4467 | 65.937 | .22656 | -.00067 | .63963 | .13282 | .75985 |
| Stddev | .0009  | .459   | .00022 | .00099  | .00696 | .00231 | .02483 |
| %RSD   | .01730 | .69578 | .09837 | 148.72  | 1.0887 | 1.7419 | 3.2681 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.4460 | 66.262 | .22641 | -.00137 | .64455 | .13445 | .74229 |
| #2 | 5.4474 | 65.613 | .22672 | .00003  | .63470 | .13118 | .77741 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.6048 | .00308 | .01736 | 6.8217 | 2.2713 | .00749 | .29610 |
| Stddev | .0728  | .00007 | .01109 | .0183  | .0215  | .00021 | .00175 |
| %RSD   | .84611 | 2.1695 | 63.871 | .26887 | .94456 | 2.8342 | .58982 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.6563 | .00303 | .00952 | 6.8347 | 2.2865 | .00764 | .29487 |
| #2 | 8.5533 | .00313 | .02520 | 6.8087 | 2.2561 | .00734 | .29734 |

Sample Name: J5565-01      Acquired: 10/19/2018 13:29:27      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RLF-SD-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .22927 | 7.117  | .19876 | <.00000 | F<.00000 |
| Stddev | .00215 | .048   | .00142 | .08112  | 1.0245   |
| %RSD   | .93761 | .6710  | .71661 | .82163  | 2.6578   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .23079 | 7.151 | .19976 | -9.8156 | -39.273 |
| #2 | .22775 | 7.084 | .19775 | -9.9303 | -37.824 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2648.6 | 41918. | 4941.8 | 102.35 | 2899.0 |
| Stddev    | 18.6   | 61.    | 36.8   | 2.92   | 26.5   |
| %RSD      | .70060 | .14562 | .74491 | 2.8577 | .91364 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2635.4 | 41875. | 4915.8 | 104.42 | 2880.2 |
| #2 | 2661.7 | 41962. | 4967.9 | 100.28 | 2917.7 |

Sample Name: J5565-02      Acquired: 10/19/2018 13:33:21      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RLF-SD-3      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .10160 | -.01311 | .15149 | -.06751 | .00499 | 138.51 | .92382 |
| Stddev | .00102 | .00230  | .00067 | .00619  | .00142 | .30    | .00761 |
| %RSD   | 1.0046 | 17.516  | .44093 | 9.1644  | 28.438 | .21642 | .82356 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .10233 | -.01474 | .15197 | -.07189 | .00600 | 138.30 | .91844 |
| #2 | .10088 | -.01149 | .15102 | -.06314 | .00399 | 138.72 | .92920 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00491 | .00639 | 133.95 | .14823 | .15652 | .08872 | 334.91 |
| Stddev | .00033 | .00081 | 2.07   | .00178 | .00017 | .00314 | 4.27   |
| %RSD   | 6.7890 | 12.617 | 1.5452 | 1.1977 | .10968 | 3.5383 | 1.2739 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00468 | .00695 | 132.49 | .14697 | .15640 | .09094 | 331.89 |
| #2 | .00515 | .00582 | 135.42 | .14948 | .15664 | .08650 | 337.92 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.5548 | 86.507 | .32317 | .00139 | .73233 | .17942 | 1.0247 |
| Stddev | .0165  | .434   | .00201 | .00111 | .00701 | .00226 | .0107  |
| %RSD   | .19247 | .50185 | .62096 | 79.437 | .95688 | 1.2611 | 1.0495 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.5664 | 86.200 | .32459 | .00061 | .72738 | .17782 | 1.0171 |
| #2 | 8.5432 | 86.813 | .32175 | .00218 | .73729 | .18102 | 1.0323 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 12.354 | .00339 | .03069 | F 11.139 | 2.4935 | .01137 | .33069 |
| Stddev | .099   | .00001 | .00761 | .015     | .0548  | .00067 | .00093 |
| %RSD   | .79935 | .25269 | 24.798 | .13543   | 2.1970 | 5.8595 | .28073 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.285 | .00339 | .02531 | 11.128 | 2.4547 | .01090 | .33135 |
| #2 | 12.424 | .00340 | .03607 | 11.150 | 2.5322 | .01184 | .33003 |

Sample Name: J5565-02      Acquired: 10/19/2018 13:33:21      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RLF-SD-3      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .32979 | 8.837  | .25832 | <.00000 | F<.00000 |
| Stddev | .00063 | .011   | .00147 | .58063  | 2.0301   |
| %RSD   | .19033 | .1246  | .56908 | 3.8626  | 2.6268   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .32934 | 8.829 | .25728 | -14.622 | -75.848 |
| #2 | .33023 | 8.844 | .25936 | -15.443 | -78.719 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2710.3 | 43119. | 5169.5 | 101.49 | 2818.1 |
| Stddev    | 2.7    | 231.   | 20.6   | 1.03   | 3.0    |
| %RSD      | .09864 | .53485 | .39835 | 1.0130 | .10667 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2712.2 | 42956. | 5184.1 | 102.21 | 2820.2 |
| #2 | 2708.4 | 43282. | 5154.9 | 100.76 | 2816.0 |

Sample Name: J5565-03      Acquired: 10/19/2018 13:37:26      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RLF-SD-4      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .15324 | -.01469 | .22283 | -.07820 | .00497 | 159.39 | .99761 |
| Stddev | .00327 | .00119  | .00114 | .00088  | .00065 | .06    | .01043 |
| %RSD   | 2.1326 | 8.0913  | .51212 | 1.1300  | 13.023 | .03854 | 1.0453 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .15093 | -.01385 | .22202 | -.07757 | .00543 | 159.44 | .99024 |
| #2 | .15555 | -.01553 | .22363 | -.07882 | .00451 | 159.35 | 1.0050 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00606 | .00738 | 102.17 | .16967 | .18550 | .07486 | 411.45 |
| Stddev | .00001 | .00049 | 1.42   | .00131 | .00019 | .00038 | .29    |
| %RSD   | .10754 | 6.7110 | 1.3898 | .77268 | .10217 | .51051 | .07066 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00606 | .00773 | 101.16 | .17060 | .18536 | .07459 | 411.66 |
| #2 | .00605 | .00703 | 103.17 | .16875 | .18563 | .07514 | 411.25 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.027 | 94.314 | .39205 | .00467 | .76921 | .20773 | 1.2031 |
| Stddev | .077   | .895   | .00209 | .00085 | .01836 | .00032 | .0036  |
| %RSD   | .69522 | .94919 | .53395 | 18.177 | 2.3873 | .15625 | .29957 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.081 | 93.681 | .39057 | .00527 | .75622 | .20796 | 1.2056 |
| #2 | 10.973 | 94.947 | .39353 | .00407 | .78219 | .20750 | 1.2005 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.516 | .00527 | .05754 | 2.4526 | 3.6454 | .01456 | .33992 |
| Stddev | .163   | .00053 | .01068 | .0048  | .0516  | .00011 | .00132 |
| %RSD   | 1.2995 | 9.9654 | 18.566 | .19750 | 1.4149 | .77398 | .38791 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.401 | .00490 | .06510 | 2.4492 | 3.6090 | .01464 | .33899 |
| #2 | 12.631 | .00564 | .04999 | 2.4561 | 3.6819 | .01448 | .34086 |

Sample Name: J5565-03      Acquired: 10/19/2018 13:37:26      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RLF-SD-4      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .38056 | 9.315  | .36302 | <.00000 | F<.00000 |
| Stddev | .00432 | .005   | .00245 | .37678  | 2.3297   |
| %RSD   | 1.1344 | .0591  | .67626 | 1.9177  | 2.1667   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .37751 | 9.311 | .36128 | -19.914 | -105.88 |
| #2 | .38361 | 9.319 | .36475 | -19.381 | -109.17 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2759.2 | 43896. | 5202.9 | 99.380 | 2764.6 |
| Stddev    | 4.2    | 203.   | 38.1   | .461   | 1.1    |
| %RSD      | .15231 | .46270 | .73173 | .46381 | .03806 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2762.1 | 43752. | 5229.8 | 99.054 | 2763.9 |
| #2 | 2756.2 | 44039. | 5175.9 | 99.706 | 2765.3 |

Sample Name: J5565-04      Acquired: 10/19/2018 13:41:29      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RLF-SD-5      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04267 | -.00805 | .17609 | -.04236 | .00277 | 105.90 | .67358 |
| Stddev | .00003 | .00009  | .00031 | .00160  | .00083 | .27    | .00496 |
| %RSD   | .07010 | 1.0574  | .17653 | 3.7762  | 29.929 | .25034 | .73599 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04270 | -.00811 | .17631 | -.04349 | .00336 | 105.72 | .67708 |
| #2 | .04265 | -.00799 | .17587 | -.04123 | .00218 | 106.09 | .67007 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00315 | .00366 | 51.092 | .12050 | .08960 | .34030 | 188.85 |
| Stddev | .00008 | .00018 | .240   | .00004 | .00008 | .00265 | .15    |
| %RSD   | 2.4625 | 4.7974 | .46888 | .03691 | .08551 | .77765 | .07970 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00310 | .00378 | 51.262 | .12053 | .08954 | .34217 | 188.74 |
| #2 | .00320 | .00353 | 50.923 | .12047 | .08965 | .33843 | 188.96 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.2808 | 40.213 | .22455 | -.00083 | .65020 | .14284 | .74578 |
| Stddev | .0002  | .066   | .00053 | .00038  | .00547 | .00043 | .00264 |
| %RSD   | .00979 | .16428 | .23759 | 45.771  | .84100 | .30123 | .35389 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.2806 | 40.259 | .22493 | -.00110 | .65406 | .14253 | .74765 |
| #2 | 2.2809 | 40.166 | .22417 | -.00056 | .64633 | .14314 | .74392 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.6682 | .00261 | .04700 | F 12.934 | 6.4543 | .01772 | .34395 |
| Stddev | .0722  | .00007 | .00375 | .017     | .1075  | .00129 | .00769 |
| %RSD   | .74633 | 2.7418 | 7.9687 | .13336   | 1.6652 | 7.3058 | 2.2355 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.7192 | .00266 | .04965 | 12.922 | 6.5303 | .01680 | .33851 |
| #2 | 9.6172 | .00256 | .04435 | 12.946 | 6.3783 | .01863 | .34938 |

Sample Name: J5565-04      Acquired: 10/19/2018 13:41:29      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RLF-SD-5      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .22427 | 6.325  | .43368 | <.00000 | F<.00000 |
| Stddev | .00177 | .005   | .00211 | .27613  | .21826   |
| %RSD   | .79077 | .0777  | .48733 | 3.3054  | .83133   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .22552 | 6.329 | .43517 | -8.1588 | -26.100 |
| #2 | .22301 | 6.322 | .43219 | -8.5493 | -26.409 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2624.3 | 42196. | 4968.2 | 107.31 | 2993.0 |
| Stddev    | 11.0   | 126.   | 58.5   | .56    | 9.4    |
| %RSD      | .41810 | .29933 | 1.1774 | .52053 | .31548 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2616.5 | 42106. | 4926.9 | 106.91 | 2986.3 |
| #2 | 2632.0 | 42285. | 5009.6 | 107.70 | 2999.6 |

Sample Name: J5565-04DUP      Acquired: 10/19/2018 13:45:21      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RLF-SD-5DUP      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03930 | -.00774 | .17485 | -.04232 | .00355 | 105.78 | .68613 |
| Stddev | .00209 | .00044  | .00017 | .00050  | .00151 | 2.55   | .03833 |
| %RSD   | 5.3198 | 5.7201  | .09977 | 1.1856  | 42.474 | 2.4151 | 5.5868 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03783 | -.00742 | .17498 | -.04197 | .00248 | 103.98 | .65902 |
| #2 | .04078 | -.00805 | .17473 | -.04268 | .00461 | 107.59 | .71323 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00347 | .00314 | 52.335 | .11999 | .08928 | .33473 | 195.42 |
| Stddev | .00006 | .00136 | 3.014  | .00247 | .00005 | .00713 | 10.98  |
| %RSD   | 1.8538 | 43.196 | 5.7585 | 2.0625 | .05155 | 2.1290 | 5.6180 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00343 | .00410 | 50.204 | .11824 | .08925 | .33977 | 187.66 |
| #2 | .00352 | .00218 | 54.466 | .12174 | .08931 | .32969 | 203.19 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.2891 | 41.067 | .22389 | .00043 | .64714 | .14438 | .77364 |
| Stddev | .0397  | 2.312  | .00106 | .00080 | .04482 | .00314 | .04097 |
| %RSD   | 1.7351 | 5.6299 | .47430 | 188.37 | 6.9253 | 2.1779 | 5.2963 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.2610 | 39.433 | .22314 | -.00014 | .61545 | .14216 | .74467 |
| #2 | 2.3172 | 42.702 | .22464 | .00100  | .67883 | .14661 | .80262 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.6875 | .00282 | .05767 | F 12.863 | 5.3282 | .01588 | .33111 |
| Stddev | .5363  | .00025 | .01162 | .014     | .2534  | .00100 | .00795 |
| %RSD   | 5.5355 | 8.8313 | 20.143 | .11199   | 4.7563 | 6.3280 | 2.4010 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.3084 | .00300 | .04946 | 12.853 | 5.1490 | .01659 | .32549 |
| #2 | 10.067 | .00264 | .06589 | 12.873 | 5.5074 | .01517 | .33673 |

Sample Name: J5565-04DUP      Acquired: 10/19/2018 13:45:21      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RLF-SD-5DUP      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .22921 | 6.303  | .44330 | <.00000 | F<.00000 |
| Stddev | .01081 | .002   | .02460 | .01870  | .24051   |
| %RSD   | 4.7145 | .0288  | 5.5486 | .21798  | .88983   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .22156 | 6.304 | .42590 | -8.5676 | -27.199 |
| #2 | .23685 | 6.301 | .46069 | -8.5940 | -26.859 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2638.5 | 42167. | 4856.9 | 103.69 | 3013.3 |
| Stddev    | 6.5    | 595.   | 235.3  | 5.13   | 5.1    |
| %RSD      | .24769 | 1.4118 | 4.8450 | 4.9499 | .16928 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2633.8 | 42588. | 5023.3 | 107.31 | 3009.7 |
| #2 | 2643.1 | 41746. | 4690.5 | 100.06 | 3016.9 |

Sample Name: J5565-04LX5      Acquired: 10/19/2018 13:49:13      Type: Unk  
Method: P4-ICP2(v2514)      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    | .01211 | -.00012 | .03502 | -.01077 | .00029 | 22.744 | .14639 | .00048 |
| Stddev | .00062 | .00025  | .00182 | .00191  | .00075 | .292   | .00117 | .00002 |
| %RSD   | 5.1026 | 210.61  | 5.2032 | 17.771  | 259.43 | 1.2828 | .79793 | 3.6448 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .01254 | .00006  | .03373 | -.01213 | .00082  | 22.950 | .14556 | .00047 |
| #2 | .01167 | -.00030 | .03631 | -.00942 | -.00024 | 22.538 | .14721 | .00049 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00050 | 11.339 | .02681 | .01735 | .08125 | 37.529 | .52353 | 8.8708 |
| Stddev | .00007 | .031   | .00052 | .00009 | .00042 | .709   | .00817 | .1683  |
| %RSD   | 13.668 | .26959 | 1.9558 | .50389 | .51353 | 1.8890 | 1.5610 | 1.8969 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00055 | 11.318 | .02718 | .01741 | .08096 | 38.030 | .52930 | 8.7518 |
| #2 | .00045 | 11.361 | .02643 | .01729 | .08155 | 37.028 | .51775 | 8.9898 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04417 | -.00120 | .11179 | .03203 | .15335 | 2.1274 | .00031 | .00614 |
| Stddev | .00009 | .00014  | .00344 | .00076 | .00285 | .0221  | .00030 | .00618 |
| %RSD   | .19845 | 11.530  | 3.0815 | 2.3744 | 1.8576 | 1.0385 | 98.575 | 100.58 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .04411 | -.00130 | .10936 | .03257 | .15537 | 2.1117 | .00052 | .01051 |
| #2 | .04423 | -.00110 | .11423 | .03149 | .15134 | 2.1430 | .00009 | .00177 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5210 | .77674 | .00305 | .06816 | .04808 | 1.239  | .09690 | .75023 |
| Stddev | .0139  | .01171 | .00124 | .00257 | .00024 | .005   | .00011 | .17113 |
| %RSD   | .55003 | 1.5080 | 40.849 | 3.7723 | .50090 | .3804  | .10870 | 22.810 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 2.5308 | .76846 | .00217 | .06998 | .04791 | 1.242 | .09697 | .87123 |
| #2 | 2.5112 | .78502 | .00392 | .06634 | .04825 | 1.235 | .09682 | .62922 |

Sample Name: J5565-04LX5      Acquired: 10/19/2018 13:49:13      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      4.6604  
 Stddev      .8068  
 %RSD      17.313

#1      5.2309  
 #2      4.0899

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2417.0 | 38416. | 4446.5 | 107.56 | 3151.6 |
| Stddev    | 10.0   | 595.   | 34.3   | 2.06   | 14.5   |
| %RSD      | .41376 | 1.5490 | .77239 | 1.9137 | .45871 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2409.9 | 37995. | 4470.7 | 106.10 | 3141.3 |
| #2 | 2424.1 | 38837. | 4422.2 | 109.01 | 3161.8 |

Sample Name: J5565-05      Acquired: 10/19/2018 13:53:12      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: J5565-04MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .76542 | 1.7813 | 1.1079 | 1.7495 | .74386 | 105.24 | .84637 |
| Stddev | .03170 | .0740  | .0480  | .0480  | .02727 | .23    | .00092 |
| %RSD   | 4.1415 | 4.1513 | 4.3297 | 2.7407 | 3.6663 | .21714 | .10827 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74300 | 1.7290 | 1.0740 | 1.7156 | .72457 | 105.08 | .84573 |
| #2 | .78783 | 1.8336 | 1.1418 | 1.7834 | .76314 | 105.40 | .84702 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18241 | .18619 | 51.625 | .44492 | .27917 | .59868 | 185.49 |
| Stddev | .00009 | .00866 | .349   | .00042 | .01226 | .02361 | .99    |
| %RSD   | .04729 | 4.6498 | .67599 | .09526 | 4.3916 | 3.9443 | .53156 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18247 | .18007 | 51.378 | .44462 | .27050 | .58198 | 184.79 |
| #2 | .18235 | .19231 | 51.872 | .44522 | .28784 | .61537 | 186.18 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4201 | 41.254 | .66906 | .06152 | 3.1921 | .38775 | .89952 |
| Stddev | .0063  | .098   | .02812 | .00064 | .0091  | .00054 | .01060 |
| %RSD   | .25889 | .23838 | 4.2033 | 1.0336 | .28445 | .14020 | 1.1781 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4156 | 41.185 | .64918 | .06197 | 3.1857 | .38737 | .89203 |
| #2 | 2.4245 | 41.324 | .68895 | .06108 | 3.1985 | .38814 | .90702 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 18.602 | .38165 | .28365 | F 12.574 | 5.8182 | .66102 | .50121 |
| Stddev | .025   | .01301 | .00003 | .569     | .0019  | .02688 | .00767 |
| %RSD   | .13230 | 3.4078 | .01108 | 4.5226   | .03342 | 4.0668 | 1.5307 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.584 | .37245 | .28367 | 12.172 | 5.8168 | .64201 | .50663 |
| #2 | 18.619 | .39085 | .28363 | 12.976 | 5.8196 | .68003 | .49578 |

Sample Name: J5565-05      Acquired: 10/19/2018 13:53:12      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: J5565-04MS      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |          |
|--------|--------|---------|--------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .40739 | F 11.32 | .59991 | <.00000 | F<.00000 |
| Stddev | .00107 | .49     | .00111 | .28621  | .18720   |
| %RSD   | .26213 | 4.354   | .18567 | 3.4481  | .64812   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .40815 | 10.98 | .59913 | -8.0980 | -28.751 |
| #2 | .40664 | 11.67 | .60070 | -8.5028 | -29.016 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2633.9 | 42046. | 4896.1 | 108.01 | 3009.1 |
| Stddev    | 63.9   | 56.    | 2.1    | .39    | 95.5   |
| %RSD      | 2.4244 | .13292 | .04272 | .35941 | 3.1722 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2679.0 | 42007. | 4897.6 | 108.29 | 3076.6 |
| #2 | 2588.7 | 42086. | 4894.6 | 107.74 | 2941.6 |

Sample Name: J5565-06      Acquired: 10/19/2018 13:56:58      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: J5565-04MSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .79384 | 1.8246 | 1.1414 | 1.8028 | .77063 | 106.76 | .86158 |
| Stddev | .00526 | .0056  | .0024  | .0053  | .00108 | .34    | .00294 |
| %RSD   | .66217 | .30699 | .21007 | .29553 | .13961 | .31974 | .34126 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .79756 | 1.8206 | 1.1397 | 1.7990 | .76987 | 106.52 | .85950 |
| #2 | .79013 | 1.8285 | 1.1431 | 1.8065 | .77139 | 107.00 | .86366 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18461 | .19151 | 52.074 | .44945 | .28785 | .61530 | 193.19 |
| Stddev | .00020 | .00020 | .502   | .00089 | .00199 | .00088 | 1.12   |
| %RSD   | .11012 | .10603 | .96486 | .19887 | .69016 | .14261 | .57980 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18475 | .19136 | 51.719 | .44881 | .28645 | .61592 | 192.39 |
| #2 | .18446 | .19165 | 52.429 | .45008 | .28926 | .61467 | 193.98 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4484 | 41.973 | .68462 | .06294 | 3.2520 | .39150 | .94176 |
| Stddev | .0040  | .164   | .00336 | .00000 | .0231  | .00002 | .00420 |
| %RSD   | .16141 | .39134 | .49037 | .00306 | .71132 | .00425 | .44545 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4456 | 41.857 | .68225 | .06294 | 3.2356 | .39151 | .93880 |
| #2 | 2.4512 | 42.089 | .68699 | .06294 | 3.2683 | .39149 | .94473 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 18.817 | .39215 | .30863 | F 12.956 | 5.8194 | .67760 | .51659 |
| Stddev | .186   | .00038 | .00010 | .029     | .0070  | .00436 | .00762 |
| %RSD   | .98818 | .09806 | .03140 | .22088   | .11996 | .64272 | 1.4746 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.685 | .39188 | .30856 | 12.976 | 5.8244 | .67452 | .52198 |
| #2 | 18.948 | .39242 | .30870 | 12.935 | 5.8145 | .68068 | .51120 |

Sample Name: J5565-06      Acquired: 10/19/2018 13:56:58      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: J5565-04MSD      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |          |
|--------|--------|---------|--------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .41278 | F 11.63 | .60975 | <.00000 | F<.00000 |
| Stddev | .00168 | .01     | .00046 | .09215  | .06679   |
| %RSD   | .40693 | .0929   | .07590 | 1.1635  | .22382   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .41396 | 11.62 | .60942 | -7.9853 | -29.795 |
| #2 | .41159 | 11.64 | .61007 | -7.8550 | -29.890 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2554.4 | 41549. | 4843.0 | 103.73 | 2923.0 |
| Stddev    | .4     | 18.    | 5.4    | .15    | .1     |
| %RSD      | .01410 | .04308 | .11176 | .14176 | .00315 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2554.1 | 41537. | 4846.8 | 103.84 | 2923.1 |
| #2 | 2554.6 | 41562. | 4839.1 | 103.63 | 2923.0 |

Sample Name: J5565-04A      Acquired: 10/19/2018 14:00:44      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7583      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .78500 | 1.7988 | 1.1252 | 1.7753 | .76211 | 106.81 | .85742 |
| Stddev | .00211 | .0149  | .0055  | .0060  | .00047 | .15    | .00890 |
| %RSD   | .26905 | .82711 | .49040 | .33599 | .06197 | .13858 | 1.0385 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .78350 | 1.7882 | 1.1213 | 1.7795 | .76244 | 106.91 | .85112 |
| #2 | .78649 | 1.8093 | 1.1291 | 1.7711 | .76178 | 106.70 | .86371 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18446 | .18885 | 51.818 | .44604 | .28380 | .61391 | 187.22 |
| Stddev | .00130 | .00103 | .650   | .00142 | .00279 | .00198 | 3.57   |
| %RSD   | .70498 | .54421 | 1.2547 | .31900 | .98227 | .32198 | 1.9061 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18354 | .18812 | 51.358 | .44503 | .28183 | .61531 | 184.69 |
| #2 | .18538 | .18958 | 52.277 | .44704 | .28577 | .61251 | 189.74 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4450 | 41.726 | .67731 | .06259 | 3.2126 | .39202 | .91048 |
| Stddev | .0063  | .652   | .00463 | .00004 | .0511  | .00237 | .01687 |
| %RSD   | .25664 | 1.5628 | .68302 | .06677 | 1.5917 | .60500 | 1.8525 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4405 | 41.265 | .67404 | .06256 | 3.1764 | .39034 | .89855 |
| #2 | 2.4494 | 42.187 | .68058 | .06262 | 3.2488 | .39369 | .92240 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 18.829 | .38973 | .28904 | F 12.803 | 5.7460 | .66471 | .50772 |
| Stddev | .283   | .00003 | .00308 | .085     | .0970  | .00387 | .00881 |
| %RSD   | 1.5055 | .00839 | 1.0652 | .66066   | 1.6884 | .58237 | 1.7359 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.628 | .38975 | .28686 | 12.743 | 5.6774 | .66197 | .50149 |
| #2 | 19.029 | .38971 | .29121 | 12.863 | 5.8146 | .66745 | .51395 |

Sample Name: J5565-04A      Acquired: 10/19/2018 14:00:44      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA7583      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |          |
|--------|--------|---------|--------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .40938 | F 11.47 | .60634 | <.00000 | F<.00000 |
| Stddev | .00172 | .07     | .00823 | .25973  | .06732   |
| %RSD   | .41942 | .5822   | 1.3571 | 3.1282  | .23114   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .40817 | 11.43 | .60052 | -8.1192 | -29.079 |
| #2 | .41060 | 11.52 | .61216 | -8.4865 | -29.174 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2567.2 | 41520. | 4857.8 | 106.71 | 2952.2 |
| Stddev    | 2.9    | 3.     | 69.9   | 1.81   | 20.2   |
| %RSD      | .11221 | .00692 | 1.4390 | 1.7006 | .68432 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2565.2 | 41522. | 4907.2 | 107.99 | 2966.5 |
| #2 | 2569.3 | 41518. | 4808.3 | 105.42 | 2937.9 |

Sample Name: CCV03      Acquired: 10/19/2018 14:17:59      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV03      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.3644 | 4.8400 | 4.9762 | 5.2104 | 5.4679 | 10.476 | 10.403 | .25552   |
| Stddev | .0002  | .0039  | .0027  | .0050  | .0025  | .093   | .047   | .00025   |
| %RSD   | .00342 | .08012 | .05438 | .09497 | .04512 | .88572 | .45437 | .09832   |
| #1     | 5.3645 | 4.8428 | 4.9781 | 5.2139 | 5.4696 | 10.410 | 10.436 | .25535   |
| #2     | 5.3643 | 4.8373 | 4.9743 | 5.2069 | 5.4662 | 10.541 | 10.369 | .25570   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3767 | 26.174 | .96687 | 2.4538 | 1.3125 | 5.0785 | 2.5320 | 25.225   |
| Stddev | .0014  | .085   | .00061 | .0030  | .0025  | .0456  | .0114  | .109     |
| %RSD   | .05739 | .32528 | .06354 | .12227 | .18727 | .89691 | .45059 | .43128   |
| #1     | 2.3777 | 26.234 | .96730 | 2.4560 | 1.3107 | 5.1107 | 2.5239 | 25.302   |
| #2     | 2.3758 | 26.114 | .96644 | 2.4517 | 1.3142 | 5.0463 | 2.5400 | 25.148   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3169 | 1.2788 | 24.021 | 2.4852 | 2.4664 | 25.911 | 5.4660 | 4.8428   |
| Stddev | .0002  | .0002  | .109   | .0093  | .0286  | .151   | .0014  | .0402    |
| %RSD   | .00715 | .01379 | .45472 | .37314 | 1.1583 | .58284 | .02492 | .83050   |
| #1     | 2.3168 | 1.2787 | 24.098 | 2.4787 | 2.4866 | 26.018 | 5.4670 | 4.8713   |
| #2     | 2.3170 | 1.2789 | 23.943 | 2.4918 | 2.4462 | 25.804 | 5.4651 | 4.8144   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9867 | 5.0921 | 4.8256 | 5.0205 | 5.1070 | 4.696  | 4.9728 | F 4.2988 |
| Stddev | .0135  | .0402  | .0045  | .0100  | .0124  | .006   | .0199  | .4598    |
| %RSD   | .27007 | .78872 | .09345 | .19904 | .24308 | .1305  | .39965 | 10.696   |
| #1     | 4.9963 | 5.1205 | 4.8224 | 5.0276 | 5.1158 | 4.700  | 4.9868 | 3.9737   |
| #2     | 4.9772 | 5.0637 | 4.8288 | 5.0135 | 5.0982 | 4.691  | 4.9587 | 4.6239   |

Sample Name: CCV03      Acquired: 10/19/2018 14:17:59      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV03      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.4286  
Stddev      .4439  
%RSD      18.279

#1      2.7425  
#2      2.1147

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2283.9 | 36696. | 4216.5 | 103.40 | 2967.3 |
| Stddev    | 2.8    | 3.     | 46.9   | 1.37   | 5.5    |
| %RSD      | .12272 | .00829 | 1.1134 | 1.3256 | .18475 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2281.9 | 36694. | 4183.3 | 102.43 | 2963.5 |
| #2 | 2285.9 | 36698. | 4249.7 | 104.37 | 2971.2 |

Sample Name: CCB03      Acquired: 10/19/2018 14:21:43      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB03      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  | -.00010 | .00044  | -.00295 | -.00176 | .00053  | -.00055 | .00013   |
| Stddev | .00346  | .00046  | .00007  | .00025  | .00208  | .01463  | .00049  | .00013   |
| %RSD   | 3653.1  | 440.83  | 15.271  | 8.5766  | 118.24  | 2776.5  | 89.755  | 100.82   |
| #1     | .00254  | .00022  | .00049  | -.00277 | -.00029 | -.00982 | -.00089 | .00021   |
| #2     | -.00235 | -.00043 | .00040  | -.00313 | -.00323 | .01087  | -.00020 | .00004   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00012 | -.00445 | -.00004 | .00005  | -.00065 | -.01380 | .00001  | .04225   |
| Stddev | .00004  | .00678  | .00062  | .00005  | .00014  | .00711  | .00006  | .03273   |
| %RSD   | 34.486  | 152.26  | 1420.1  | 94.295  | 21.407  | 51.522  | 634.86  | 77.452   |
| #1     | -.00014 | -.00925 | -.00048 | .00009  | -.00075 | -.01883 | -.00003 | .06539   |
| #2     | -.00009 | .00034  | .00039  | .00002  | -.00055 | -.00878 | .00005  | .01911   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00156  | -.00001 | -.10769 | -.00016 | .00006  | .03772  | .00033  | .01341   |
| Stddev | .00009  | .00085  | .00711  | .00028  | .00004  | .02280  | .00019  | .00570   |
| %RSD   | 5.7456  | 15550.  | 6.6026  | 171.60  | 74.715  | 60.435  | 56.719  | 42.514   |
| #1     | .00162  | .00059  | -.11272 | .00003  | .00008  | .05384  | .00047  | .00938   |
| #2     | .00149  | -.00060 | -.10266 | -.00036 | .00003  | .02160  | .00020  | .01745   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00230 | .00352  | -.00052 | .00174  | -.00166 | -.0009  | .00010  | F 2.6071 |
| Stddev | .00070  | .00220  | .00017  | .00162  | .00084  | .0007   | .00001  | .0366    |
| %RSD   | 30.420  | 62.556  | 33.521  | 93.209  | 50.465  | 79.42   | 10.893  | 1.4045   |
| #1     | -.00181 | .00507  | -.00039 | .00059  | -.00225 | -.0014  | .00009  | 2.6330   |
| #2     | -.00280 | .00196  | -.00064 | .00289  | -.00107 | -.0004  | .00011  | 2.5812   |

Sample Name: CCB03      Acquired: 10/19/2018 14:21:43      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB03      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .97595  
Stddev      .49609  
%RSD      50.832

#1      .62515  
#2      1.3267

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2369.5 | 38201. | 4261.8 | 107.52 | 3285.5 |
| Stddev    | 2.5    | 46.    | 23.8   | 1.81   | 1.2    |
| %RSD      | .10403 | .11980 | .55741 | 1.6880 | .03635 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2367.8 | 38168. | 4278.6 | 108.80 | 3286.4 |
| #2 | 2371.3 | 38233. | 4245.0 | 106.23 | 3284.7 |

Sample Name: J5511-01      Acquired: 10/19/2018 14:25:48      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00539 | .00073 | .00127 | -.00030 | -.00220 | .02447 | .01387 | .00010 |
| Stddev | .00390 | .00076 | .00034 | .00130  | .00028  | .01324 | .00123 | .00005 |
| %RSD   | 72.325 | 103.79 | 26.788 | 435.47  | 12.614  | 54.093 | 8.8520 | 46.880 |

|    |        |        |        |         |         |        |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|--------|
| #1 | .00263 | .00127 | .00151 | -.00122 | -.00200 | .03383 | .01300 | .00007 |
| #2 | .00814 | .00019 | .00103 | .00062  | -.00239 | .01511 | .01474 | .00013 |

|        |         |        |        |         |        |         |        |        |
|--------|---------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00010 | 28.463 | .00046 | -.00022 | .00173 | -.00133 | .00129 | 13.066 |
| Stddev | .00000  | .162   | .00039 | .00009  | .00017 | .00346  | .00006 | .091   |
| %RSD   | 1.1258  | .57040 | 84.695 | 40.772  | 9.8975 | 260.58  | 4.5641 | .69923 |

|    |         |        |        |         |        |         |        |        |
|----|---------|--------|--------|---------|--------|---------|--------|--------|
| #1 | -.00010 | 28.348 | .00074 | -.00016 | .00185 | .00112  | .00125 | 13.002 |
| #2 | -.00010 | 28.578 | .00019 | -.00028 | .00161 | -.00378 | .00133 | 13.131 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00070 | -.00032 | 81.209 | .00047 | .00037 | 4.3818 | .00026 | .03831 |
| Stddev | .00031 | .00032  | .469   | .00011 | .00001 | .0048  | .00045 | .00441 |
| %RSD   | 44.155 | 99.751  | .57695 | 23.783 | 1.6016 | .10861 | 172.96 | 11.520 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00092 | -.00055 | 81.540 | .00055 | .00037 | 4.3852 | -.00006 | .03519 |
| #2 | .00048 | -.00009 | 80.877 | .00039 | .00038 | 4.3784 | .00057  | .04143 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.0004 | 1.2096 | -.00346 | -.00018 | .00012 | .0531  | .15695 | 4.2923 |
| Stddev | .0148  | .0066  | .00093  | .00043  | .00086 | .0003  | .00013 | .3082  |
| %RSD   | .16420 | .54750 | 26.924  | 234.64  | 722.23 | .5962  | .08462 | 7.1792 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | 8.9899 | 1.2143 | -.00411 | -.00048 | .00073  | .0529 | .15685 | 4.0744 |
| #2 | 9.0108 | 1.2049 | -.00280 | .00012  | -.00049 | .0533 | .15704 | 4.5102 |

Sample Name: J5511-01      Acquired: 10/19/2018 14:25:48      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.6368  
Stddev      .0094  
%RSD      .57473

#1      1.6302  
#2      1.6435

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2371.8 | 37698. | 4258.9 | 108.42 | 3169.0 |
| Stddev    | 14.0   | 182.   | 6.6    | .42    | 12.1   |
| %RSD      | .59167 | .48332 | .15537 | .38864 | .38329 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2381.8 | 37827. | 4254.2 | 108.12 | 3177.6 |
| #2 | 2361.9 | 37570. | 4263.5 | 108.72 | 3160.4 |

Sample Name: J5511-01DUP      Acquired: 10/19/2018 14:29:51      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00450 | .00077 | .00010 | -.00016 | -.00451 | .00840 | .01239 | .00009 |
| Stddev | .00099 | .00105 | .00061 | .00339  | .00024  | .00373 | .00076 | .00001 |
| %RSD   | 22.025 | 137.00 | 596.04 | 2111.5  | 5.3977  | 44.407 | 6.1165 | 10.154 |

|    |        |        |         |         |         |        |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|--------|
| #1 | .00520 | .00151 | -.00033 | -.00256 | -.00433 | .01104 | .01293 | .00008 |
| #2 | .00380 | .00002 | .00054  | .00224  | -.00468 | .00577 | .01186 | .00010 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00013 | 27.733 | -.00022 | -.00020 | .00179 | -.00430 | .00116 | 12.784 |
| Stddev | .00005  | .065   | .00010  | .00004  | .00101 | .00676  | .00004 | .007   |
| %RSD   | 39.344  | .23455 | 47.158  | 19.551  | 56.401 | 157.25  | 3.7697 | .05734 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00009 | 27.687 | -.00015 | -.00022 | .00107 | .00048  | .00119 | 12.789 |
| #2 | -.00016 | 27.779 | -.00030 | -.00017 | .00250 | -.00908 | .00112 | 12.778 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00128 | -.00027 | 79.539 | .00090 | .00026 | 4.2924 | .00011 | .04882 |
| Stddev | .00026 | .00014  | .315   | .00000 | .00004 | .0435  | .00054 | .00102 |
| %RSD   | 20.260 | 51.424  | .39641 | .19968 | 14.010 | 1.0137 | 480.70 | 2.0925 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00146 | -.00037 | 79.762 | .00090 | .00029 | 4.3231 | .00049  | .04810 |
| #2 | .00110 | -.00017 | 79.317 | .00090 | .00024 | 4.2616 | -.00027 | .04955 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.2519 | 1.1600 | -.00257 | .00068 | .00061 | .0473  | .15524 | 3.6229 |
| Stddev | .5438  | .0159  | .00120  | .00125 | .00143 | .0054  | .00033 | .2022  |
| %RSD   | 6.5902 | 1.3677 | 46.786  | 182.80 | 234.76 | 11.48  | .21211 | 5.5797 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | 7.8673 | 1.1712 | -.00172 | -.00020 | -.00040 | .0435 | .15547 | 3.7658 |
| #2 | 8.6364 | 1.1488 | -.00342 | .00157  | .00162  | .0511 | .15500 | 3.4799 |

Sample Name: J5511-01DUP      Acquired: 10/19/2018 14:29:51      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.1257  
Stddev      .3201  
%RSD      15.059

#1      2.3521  
#2      1.8994

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2531.4 | 38709. | 4353.5 | 111.05 | 3398.2 |
| Stddev    | 145.2  | 1053.  | 30.5   | 1.60   | 194.8  |
| %RSD      | 5.7350 | 2.7199 | .69970 | 1.4396 | 5.7322 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2634.0 | 37965. | 4331.9 | 109.92 | 3535.9 |
| #2 | 2428.7 | 39454. | 4375.0 | 112.18 | 3260.4 |

Sample Name: J5511-01LX5      Acquired: 10/19/2018 14:33:53      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00211 | .00069 | -.00040 | -.00114 | -.00158 | -.00398 | .00227 | .00003 |
| Stddev | .00001 | .00052 | .00006  | .00054  | .00078  | .00505  | .00000 | .00007 |
| %RSD   | .38563 | 74.855 | 15.098  | 47.077  | 49.053  | 126.93  | .14175 | 231.06 |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00211 | .00032 | -.00036 | -.00152 | -.00103 | -.00755 | .00226 | -.00002 |
| #2 | .00210 | .00105 | -.00045 | -.00076 | -.00213 | -.00041 | .00227 | .00008  |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | 5.4921 | .00006 | -.00002 | .00020 | .01208 | .00035 | 2.5434 |
| Stddev | .00004  | .0111  | .00034 | .00027  | .00067 | .00597 | .00010 | .0485  |
| %RSD   | 153.20  | .20279 | 549.56 | 1133.8  | 328.19 | 49.468 | 29.529 | 1.9075 |

|    |         |        |         |         |         |        |        |        |
|----|---------|--------|---------|---------|---------|--------|--------|--------|
| #1 | -.00006 | 5.4842 | .00031  | .00017  | .00067  | .01630 | .00042 | 2.5091 |
| #2 | .00000  | 5.5000 | -.00018 | -.00022 | -.00027 | .00785 | .00028 | 2.5777 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00134 | -.00018 | 15.627 | -.00025 | .00005 | .87825 | -.00007 | .00435 |
| Stddev | .00004 | .00020  | .116   | .00028  | .00012 | .01666 | .00001  | .00869 |
| %RSD   | 3.0085 | 113.71  | .74526 | 113.30  | 225.75 | 1.8971 | 12.091  | 199.85 |

|    |        |         |        |         |         |        |         |         |
|----|--------|---------|--------|---------|---------|--------|---------|---------|
| #1 | .00137 | -.00004 | 15.545 | -.00045 | .00014  | .86647 | -.00008 | -.00180 |
| #2 | .00132 | -.00032 | 15.710 | -.00005 | -.00003 | .89003 | -.00006 | .01049  |

|        |        |        |         |         |         |        |        |        |
|--------|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.6560 | .23329 | -.00158 | -.00001 | -.00060 | .0088  | .03122 | 3.5167 |
| Stddev | .0021  | .00019 | .00040  | .00152  | .00070  | .0013  | .00017 | .0230  |
| %RSD   | .12583 | .08140 | 25.457  | 27372.  | 117.35  | 14.75  | .53627 | .65360 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | 1.6546 | .23342 | -.00130 | -.00108 | -.00109 | .0098 | .03111 | 3.5329 |
| #2 | 1.6575 | .23316 | -.00187 | .00107  | -.00010 | .0079 | .03134 | 3.5004 |

Sample Name: J5511-01LX5      Acquired: 10/19/2018 14:33:53      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .61790  
 Stddev      .40474  
 %RSD      65.503

#1      .33170  
 #2      .90409

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2302.9 | 37339. | 4238.7 | 107.98 | 3205.1 |
| Stddev    | 6.0    | 89.    | 40.0   | .55    | 8.9    |
| %RSD      | .25876 | .23934 | .94332 | .51075 | .27859 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2298.7 | 37276. | 4266.9 | 108.37 | 3198.8 |
| #2 | 2307.1 | 37403. | 4210.4 | 107.59 | 3211.4 |

Sample Name: J5511-01MS      Acquired: 10/19/2018 14:37:58      Type: Unk  
Method: P4-ICP2(v2514)      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 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0510 | 2.2425 | 1.1898 | 2.6106 | 1.0737 | 2.5656 | .26909 | .26393 | .22811 |
| Stddev | .0051  | .0001  | .0008  | .0156  | .0041  | .0170  | .00098 | .00054 | .00030 |
| %RSD   | .48143 | .00394 | .07035 | .59671 | .37968 | .66404 | .36287 | .20410 | .13218 |
| #1     | 1.0474 | 2.2424 | 1.1904 | 2.5996 | 1.0708 | 2.5777 | .26978 | .26431 | .22832 |
| #2     | 1.0546 | 2.2426 | 1.1892 | 2.6216 | 1.0765 | 2.5536 | .26840 | .26355 | .22790 |
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 28.924 | .45757 | .23540 | .38720 | 3.2432 | .25421 | 15.219 | .55433 | .08390 |
| Stddev | .017   | .00048 | .00067 | .00024 | .0065  | .00017 | .067   | .00088 | .00000 |
| %RSD   | .05952 | .10387 | .28430 | .06291 | .20114 | .06871 | .44064 | .15916 | .00580 |
| #1     | 28.937 | .45723 | .23587 | .38703 | 3.2479 | .25433 | 15.267 | .55495 | .08390 |
| #2     | 28.912 | .45791 | .23492 | .38737 | 3.2386 | .25409 | 15.172 | .55371 | .08390 |
| 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    | 82.786 | .33847 | .24462 | 17.435 | .53778 | .40124 | 8.7424 | 2.3710 | .81855 |
| Stddev | .123   | .00037 | .00286 | .004   | .00191 | .00408 | .0324  | .0235  | .00260 |
| %RSD   | .14891 | .10940 | 1.1706 | .02412 | .35497 | 1.0170 | .37022 | .99106 | .31718 |
| #1     | 82.699 | .33821 | .24259 | 17.432 | .53643 | .40412 | 8.7653 | 2.3544 | .81672 |
| #2     | 82.873 | .33873 | .24664 | 17.438 | .53913 | .39835 | 8.7195 | 2.3876 | .82039 |
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |        |        |        |
| Avg    | .24828 | .25054 | 6.729  | .38742 | 3.6184 | .37121 |        |        |        |
| Stddev | .00280 | .00081 | .020   | .00003 | .2118  | .34860 |        |        |        |
| %RSD   | 1.1284 | .32431 | .2946  | .00836 | 5.8529 | 93.909 |        |        |        |
| #1     | .25026 | .25111 | 6.743  | .38745 | 3.4687 | .61771 |        |        |        |
| #2     | .24630 | .24996 | 6.715  | .38740 | 3.7682 | .12471 |        |        |        |

Sample Name: J5511-01MS      Acquired: 10/19/2018 14:37:58      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      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       | 2365.3 | 37860. | 4278.4 | 110.54 | 3159.6 |
| Stddev    | 7.8    | 66.    | 25.1   | 1.45   | 2.5    |
| %RSD      | .33185 | .17364 | .58733 | 1.3117 | .07988 |
| #1        | 2370.8 | 37813. | 4296.2 | 111.57 | 3161.4 |
| #2        | 2359.7 | 37906. | 4260.6 | 109.52 | 3157.8 |

Sample Name: J5511-01MSD      Acquired: 10/19/2018 14:41:47      Type: Unk  
Method: P4-ICP2(v2514)      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 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.0669 | 2.2511 | 1.1953 | 2.6277 | 1.0810 | 2.5953  | .27083 | .26361 | .22903 |
| Stddev | .0012  | .0019  | .0003  | .0034  | .0013  | .0177   | .00132 | .00109 | .00012 |
| %RSD   | .11234 | .08486 | .02050 | .12862 | .12027 | .68331  | .48682 | .41231 | .05430 |
| #1     | 1.0661 | 2.2497 | 1.1951 | 2.6253 | 1.0819 | 2.6079  | .26990 | .26438 | .22912 |
| #2     | 1.0678 | 2.2524 | 1.1955 | 2.6301 | 1.0800 | 2.5828  | .27176 | .26284 | .22895 |
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 28.871 | .45655 | .23630 | .39008 | 3.2226 | .25402  | 15.250 | .55533 | .08420 |
| Stddev | .037   | .00188 | .00061 | .00056 | .0790  | .00109  | .014   | .00093 | .00054 |
| %RSD   | .12660 | .41125 | .25919 | .14431 | 2.4502 | .43026  | .08918 | .16681 | .63942 |
| #1     | 28.897 | .45787 | .23586 | .39048 | 3.2784 | .25479  | 15.240 | .55598 | .08458 |
| #2     | 28.845 | .45522 | .23673 | .38968 | 3.1667 | .25324  | 15.259 | .55467 | .08382 |
| 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    | 82.537 | .33982 | .24101 | 17.466 | .54104 | .38933  | 8.7999 | 2.3599 | .82078 |
| Stddev | 1.017  | .00080 | .00418 | .008   | .00039 | .02311  | .0346  | .0343  | .00246 |
| %RSD   | 1.2317 | .23686 | 1.7348 | .04789 | .07200 | 5.9361  | .39354 | 1.4556 | .29951 |
| #1     | 81.818 | .33925 | .24396 | 17.472 | .54131 | .40568  | 8.7755 | 2.3356 | .82252 |
| #2     | 83.256 | .34039 | .23805 | 17.460 | .54076 | .37299  | 8.8244 | 2.3842 | .81904 |
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |        |        |        |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |        |        |        |
| Avg    | .25024 | .24885 | 6.747  | .38633 | 4.2300 | .09548  |        |        |        |
| Stddev | .00121 | .00121 | .020   | .00419 | .2702  | .32541  |        |        |        |
| %RSD   | .48530 | .48743 | .2943  | 1.0847 | 6.3867 | 340.80  |        |        |        |
| #1     | .24938 | .24800 | 6.733  | .38337 | 4.0390 | .32558  |        |        |        |
| #2     | .25110 | .24971 | 6.761  | .38930 | 4.4210 | -.13461 |        |        |        |

Sample Name: J5511-01MSD      Acquired: 10/19/2018 14:41:47      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      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       | 2322.7 | 37460. | 4264.7 | 110.94 | 3108.2 |
| Stddev    | 5.0    | 75.    | 66.7   | 1.74   | 10.0   |
| %RSD      | .21507 | .20122 | 1.5630 | 1.5725 | .32318 |
| #1        | 2326.2 | 37407. | 4311.9 | 109.71 | 3115.3 |
| #2        | 2319.1 | 37513. | 4217.6 | 112.17 | 3101.1 |

Sample Name: J5511-01A      Acquired: 10/19/2018 14:45:36      Type: Unk  
Method: P4-ICP2(v2514)      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 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0610 | 2.2354 | 1.1802 | 2.6207 | 1.0820 | 2.5774 | .26912 | .26458 | .22746 |
| Stddev | .0036  | .0001  | .0040  | .0094  | .0016  | .0658  | .00295 | .00289 | .00024 |
| %RSD   | .33589 | .00386 | .33621 | .35831 | .14785 | 2.5540 | 1.0972 | 1.0938 | .10664 |
| #1     | 1.0585 | 2.2355 | 1.1774 | 2.6141 | 1.0808 | 2.6240 | .27121 | .26663 | .22764 |
| #2     | 1.0635 | 2.2353 | 1.1831 | 2.6273 | 1.0831 | 2.5309 | .26703 | .26254 | .22729 |
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 28.896 | .45488 | .23529 | .38819 | 3.2435 | .25386 | 15.117 | .55157 | .08249 |
| Stddev | .364   | .00441 | .00014 | .00060 | .0373  | .00142 | .024   | .00063 | .00225 |
| %RSD   | 1.2593 | .97039 | .06059 | .15417 | 1.1486 | .56006 | .15849 | .11510 | 2.7298 |
| #1     | 29.153 | .45800 | .23519 | .38862 | 3.2698 | .25487 | 15.134 | .55202 | .08408 |
| #2     | 28.639 | .45176 | .23539 | .38777 | 3.2171 | .25286 | 15.100 | .55113 | .08089 |
| 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    | 82.583 | .33831 | .24471 | 17.408 | .53893 | .38438 | 8.7524 | 2.3676 | .81631 |
| Stddev | .451   | .00346 | .00101 | .210   | .00019 | .00959 | .0256  | .0093  | .00082 |
| %RSD   | .54609 | 1.0234 | .41242 | 1.2075 | .03587 | 2.4958 | .29279 | .39429 | .10085 |
| #1     | 82.902 | .34075 | .24542 | 17.557 | .53879 | .37759 | 8.7705 | 2.3742 | .81689 |
| #2     | 82.264 | .33586 | .24400 | 17.260 | .53906 | .39116 | 8.7343 | 2.3610 | .81573 |
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |        |        |        |
| Avg    | .24985 | .25223 | 6.728  | .38557 | 4.2688 | .19853 |        |        |        |
| Stddev | .00201 | .00284 | .003   | .00173 | .0679  | .01833 |        |        |        |
| %RSD   | .80368 | 1.1248 | .0456  | .44874 | 1.5913 | 9.2346 |        |        |        |
| #1     | .25127 | .25424 | 6.730  | .38680 | 4.2207 | .18557 |        |        |        |
| #2     | .24843 | .25023 | 6.726  | .38435 | 4.3168 | .21150 |        |        |        |

Sample Name: J5511-01A      Acquired: 10/19/2018 14:45:36      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      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       | 2339.0 | 37285. | 4241.6 | 109.33 | 3139.6 |
| Stddev    | .3     | 395.   | 17.3   | .69    | 4.6    |
| %RSD      | .01339 | 1.0601 | .40670 | .63133 | .14758 |
| #1        | 2339.2 | 37005. | 4229.4 | 108.84 | 3136.3 |
| #2        | 2338.7 | 37564. | 4253.8 | 109.82 | 3142.8 |

Sample Name: J5309-04DL2X4      Acquired: 10/19/2018 14:49:25      Type: Unk  
Method: P4-ICP2(v2514)      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    | .04290 | -.02266 | .19201 | -.06144 | .00580 | 134.16 | .70182 |
| Stddev | .00656 | .00055  | .00055 | .00105  | .00078 | 1.26   | .00432 |
| %RSD   | 15.284 | 2.4075  | .28531 | 1.7076  | 13.505 | .94008 | .61514 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04754 | -.02305 | .19163 | -.06218 | .00635 | 133.27 | .70488 |
| #2 | .03826 | -.02228 | .19240 | -.06069 | .00524 | 135.05 | .69877 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00428 | .00344 | 6.3820 | .22207 | .08241 | .03807 | 166.92 |
| Stddev | .00030 | .00012 | .0347  | .00196 | .00110 | .00171 | 1.20   |
| %RSD   | 6.9996 | 3.4200 | .54302 | .88201 | 1.3348 | 4.4843 | .72014 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00407 | .00353 | 6.3575 | .22068 | .08318 | .03928 | 167.77 |
| #2 | .00449 | .00336 | 6.4065 | .22345 | .08163 | .03687 | 166.07 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.5401 | 47.173 | .11318 | .00091 | .54089 | .35705 | .52780 |
| Stddev | .0323  | .073   | .00043 | .00013 | .00340 | .00234 | .00407 |
| %RSD   | .71095 | .15443 | .38295 | 14.046 | .62889 | .65512 | .77067 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.5172 | 47.122 | .11349 | .00100 | .54330 | .35540 | .53068 |
| #2 | 4.5629 | 47.225 | .11287 | .00082 | .53849 | .35870 | .52493 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 23.282 | .00305 | -.02874 | .99591 | 7.5893 | .01694 | 6.1801 |
| Stddev | .035   | .00020 | .00878  | .00268 | .0021  | .00050 | .0523  |
| %RSD   | .15145 | 6.5336 | 30.531  | .26861 | .02737 | 2.9386 | .84620 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 23.257 | .00291 | -.03495 | .99780 | 7.5907 | .01730 | 6.2171 |
| #2 | 23.307 | .00319 | -.02254 | .99402 | 7.5878 | .01659 | 6.1431 |

Sample Name: J5309-04DL2X4      Acquired: 10/19/2018 14:49:25      Type: Unk  
Method: P4-ICP2(v2514)      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    | .25979 | 2.644  | .06345 | <.00000 | F<.00000 |
| Stddev | .00003 | .016   | .00020 | .05407  | .42017   |
| %RSD   | .01213 | .6022  | .30810 | .88199  | 1.8608   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .25976 | 2.655 | .06359 | -6.0924 | -22.877 |
| #2 | .25981 | 2.633 | .06332 | -6.1688 | -22.283 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2396.2 | 38784. | 4538.2 | 102.62 | 2873.9 |
| Stddev    | 36.2   | 241.   | 17.1   | 1.12   | 43.9   |
| %RSD      | 1.5113 | .62018 | .37667 | 1.0916 | 1.5267 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2370.6 | 38954. | 4526.1 | 101.82 | 2842.8 |
| #2 | 2421.8 | 38614. | 4550.3 | 103.41 | 2904.9 |

Sample Name: J5309-06DL2X4      Acquired: 10/19/2018 14:53:23      Type: Unk  
Method: P4-ICP2(v2514)      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    | .04397 | -.02116 | .32405 | -.05945 | .00372 | 121.26 | .60818 |
| Stddev | .00218 | .00048  | .00369 | .00226  | .00056 | 1.00   | .00833 |
| %RSD   | 4.9571 | 2.2461  | 1.1375 | 3.8027  | 15.020 | .82337 | 1.3693 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04243 | -.02150 | .32144 | -.06105 | .00332 | 120.56 | .60229 |
| #2 | .04551 | -.02082 | .32665 | -.05785 | .00411 | 121.97 | .61407 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00304 | .00420 | 6.7357 | .20397 | .06587 | .12521 | 164.96 |
| Stddev | .00021 | .00057 | .1388  | .00325 | .00030 | .00249 | 4.69   |
| %RSD   | 6.8013 | 13.510 | 2.0612 | 1.5914 | .45593 | 1.9891 | 2.8407 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00289 | .00460 | 6.6376 | .20168 | .06608 | .12697 | 161.65 |
| #2 | .00319 | .00380 | 6.8339 | .20627 | .06566 | .12345 | 168.27 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.6512 | 48.002 | .10438 | .00158 | .65619 | .34582 | .74421 |
| Stddev | .0252  | 1.009  | .00089 | .00019 | .01594 | .00532 | .02114 |
| %RSD   | .68989 | 2.1017 | .84791 | 11.850 | 2.4292 | 1.5383 | 2.8406 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.6334 | 47.288 | .10376 | .00172 | .64492 | .34206 | .72926 |
| #2 | 3.6690 | 48.715 | .10501 | .00145 | .66747 | .34958 | .75916 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 24.966 | .00211 | -.03279 | 1.1324 | 7.9233 | .01974 | 5.3429 |
| Stddev | .434   | .00011 | .01489  | .0111  | .1037  | .00126 | .0815  |
| %RSD   | 1.7389 | 5.4474 | 45.399  | .98179 | 1.3089 | 6.3792 | 1.5262 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 24.659 | .00219 | -.02227 | 1.1246 | 7.8500 | .02063 | 5.2852 |
| #2 | 25.273 | .00202 | -.04332 | 1.1403 | 7.9966 | .01885 | 5.4005 |

Sample Name: J5309-06DL2X4      Acquired: 10/19/2018 14:53:23      Type: Unk  
 Method: P4-ICP2(v2514)      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    | .24593 | 2.018  | .06360 | <.00000 | F<.00000 |
| Stddev | .00266 | .018   | .00120 | .29693  | .10646   |
| %RSD   | 1.0814 | .9125  | 1.8846 | 5.4526  | .55736   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .24405 | 2.005 | .06275 | -5.2358 | -19.025 |
| #2 | .24781 | 2.031 | .06445 | -5.6557 | -19.175 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2304.7 | 37405. | 4268.3 | 97.701 | 2815.7 |
| Stddev    | 2.7    | 156.   | 61.4   | 2.344  | 1.4    |
| %RSD      | .11717 | .41575 | 1.4382 | 2.3989 | .04945 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2306.6 | 37515. | 4311.7 | 99.358 | 2816.7 |
| #2 | 2302.7 | 37295. | 4224.9 | 96.044 | 2814.7 |

Sample Name: J5309-09DL2X4      Acquired: 10/19/2018 14:57:18      Type: Unk  
Method: P4-ICP2(v2514)      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    | .04410 | -.02944 | .11746 | -.07561 | .00591 | 164.04 | .94421 |
| Stddev | .00362 | .00116  | .00030 | .00145  | .00050 | .48    | .00822 |
| %RSD   | 8.2035 | 3.9525  | .25369 | 1.9145  | 8.3940 | .29541 | .87060 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04666 | -.02862 | .11767 | -.07664 | .00556 | 163.70 | .93840 |
| #2 | .04154 | -.03026 | .11725 | -.07459 | .00627 | 164.38 | .95002 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00482 | .00371 | 17.961 | .30933 | .11399 | .12114 | 212.40 |
| Stddev | .00007 | .00049 | .133   | .00252 | .00081 | .00183 | 3.42   |
| %RSD   | 1.4707 | 13.253 | .74043 | .81345 | .71300 | 1.5072 | 1.6090 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00477 | .00406 | 17.867 | .30755 | .11456 | .12243 | 209.98 |
| #2 | .00487 | .00336 | 18.055 | .31111 | .11341 | .11985 | 214.82 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.8055 | 82.019 | .16909 | .00196 | 2.5642 | .40666 | .51803 |
| Stddev | .0123  | .807   | .00044 | .00038 | .0192  | .00093 | .00835 |
| %RSD   | .32241 | .98447 | .25772 | 19.262 | .74930 | .22920 | 1.6123 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.7968 | 81.448 | .16879 | .00169 | 2.5506 | .40600 | .51212 |
| #2 | 3.8142 | 82.590 | .16940 | .00222 | 2.5778 | .40732 | .52393 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 60.654 | -.00119 | -.02973 | .35646 | 6.5351 | .02097 | 7.2544 |
| Stddev | .449   | .00041  | .01012  | .00237 | .0760  | .00116 | .0509  |
| %RSD   | .74014 | 34.264  | 34.027  | .66372 | 1.1630 | 5.5443 | .70140 |

|    |        |         |         |        |        |        |        |
|----|--------|---------|---------|--------|--------|--------|--------|
| #1 | 60.336 | -.00090 | -.03688 | .35814 | 6.4813 | .02014 | 7.2185 |
| #2 | 60.971 | -.00147 | -.02258 | .35479 | 6.5888 | .02179 | 7.2904 |

Sample Name: J5309-09DL2X4      Acquired: 10/19/2018 14:57:18      Type: Unk  
 Method: P4-ICP2(v2514)      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    | .30292 | 1.960  | .16051 | <.00000 | F<.00000 |
| Stddev | .00171 | .003   | .00032 | .17467  | .20391   |
| %RSD   | .56390 | .1477  | .20047 | 2.0849  | .54023   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .30413 | 1.958 | .16074 | -8.2542 | -37.889 |
| #2 | .30172 | 1.962 | .16028 | -8.5012 | -37.601 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2446.4 | 39394. | 4578.8 | 100.91 | 2825.0 |
| Stddev    | 6.1    | 30.    | 23.2   | 1.22   | 9.4    |
| %RSD      | .24770 | .07560 | .50755 | 1.2089 | .33440 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2442.1 | 39373. | 4595.2 | 101.78 | 2818.3 |
| #2 | 2450.7 | 39415. | 4562.4 | 100.05 | 2831.6 |

Sample Name: J5309-11DL2X4      Acquired: 10/19/2018 15:01:18      Type: Unk  
Method: P4-ICP2(v2514)      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    | .03653 | -.02602 | .12148 | -.06447 | .00589 | 137.46 | .76747 |
| Stddev | .00149 | .00158  | .00107 | .00413  | .00262 | .72    | .00308 |
| %RSD   | 4.0688 | 6.0573  | .87969 | 6.4067  | 44.464 | .52280 | .40187 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03548 | -.02490 | .12224 | -.06739 | .00774 | 137.97 | .76965 |
| #2 | .03758 | -.02713 | .12073 | -.06155 | .00404 | 136.96 | .76529 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00302 | .00308 | 22.156 | .31650 | .10082 | .13101 | 196.26 |
| Stddev | .00002 | .00012 | .081   | .00232 | .00008 | .00078 | 1.13   |
| %RSD   | .82356 | 3.8970 | .36704 | .73450 | .08114 | .59915 | .57515 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00303 | .00316 | 22.213 | .31814 | .10088 | .13156 | 195.46 |
| #2 | .00300 | .00299 | 22.098 | .31485 | .10077 | .13045 | 197.06 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.9420 | 74.385 | .17182 | .00265 | 3.1154 | .38133 | .50796 |
| Stddev | .0063  | .433   | .00068 | .00014 | .0191  | .00381 | .00220 |
| %RSD   | .21559 | .58238 | .39678 | 5.3275 | .61287 | .99883 | .43309 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.9465 | 74.691 | .17230 | .00255 | 3.1289 | .38402 | .50640 |
| #2 | 2.9375 | 74.079 | .17134 | .00275 | 3.1019 | .37864 | .50951 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 48.319 | -.00048 | -.00112 | .76344 | 5.0545 | .01714 | 6.5527 |
| Stddev | .328   | .00012  | .00406  | .00684 | .0478  | .00042 | .0440  |
| %RSD   | .67853 | 25.034  | 361.34  | .89577 | .94531 | 2.4434 | .67186 |

|    |        |         |         |        |        |        |        |
|----|--------|---------|---------|--------|--------|--------|--------|
| #1 | 48.551 | -.00057 | .00175  | .75861 | 5.0883 | .01744 | 6.5838 |
| #2 | 48.087 | -.00040 | -.00400 | .76828 | 5.0207 | .01685 | 6.5215 |

Sample Name: J5309-11DL2X4      Acquired: 10/19/2018 15:01:18      Type: Unk  
Method: P4-ICP2(v2514)      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    | .24277 | 3.295  | .15552 | <.00000 | F<.00000 |
| Stddev | .00034 | .001   | .00011 | .47756  | .79086   |
| %RSD   | .13811 | .0148  | .07267 | 6.3598  | 2.7274   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .24254 | 3.295 | .15544 | -7.8467 | -29.556 |
| #2 | .24301 | 3.294 | .15560 | -7.1713 | -28.438 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2496.2 | 40372. | 4659.2 | 97.671 | 2819.3 |
| Stddev    | 9.8    | 263.   | 48.2   | .048   | 12.1   |
| %RSD      | .39162 | .65180 | 1.0347 | .04934 | .43023 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2489.3 | 40186. | 4625.1 | 97.705 | 2810.7 |
| #2 | 2503.1 | 40558. | 4693.3 | 97.637 | 2827.9 |

Sample Name: CCV04      Acquired: 10/19/2018 15:05:11      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |        |          |          |
|--------|--------|--------|--------|--------|----------|--------|----------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068   | Al3961 | Ba4934   | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | 5.4703 | 4.8045 | 4.9956 | 5.2443 | F 5.5535 | 10.551 | 10.365   | .25701   |
| Stddev | .0369  | .0168  | .0242  | .0360  | .0399    | .115   | .057     | .00337   |
| %RSD   | .67365 | .35040 | .48386 | .68619 | .71816   | 1.0877 | .54750   | 1.3099   |
| #1     | 5.4963 | 4.8164 | 5.0127 | 5.2698 | 5.5817   | 10.470 | 10.325   | .25463   |
| #2     | 5.4442 | 4.7926 | 4.9785 | 5.2189 | 5.5253   | 10.633 | 10.405   | .25939   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576   | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | 2.3739 | 26.635 | .95585 | 2.4647 | 1.3247   | 5.0104 | 2.5369   | 25.353   |
| Stddev | .0102  | .254   | .01101 | .0155  | .0099    | .0710  | .0316    | .377     |
| %RSD   | .43015 | .95176 | 1.1523 | .62762 | .74743   | 1.4170 | 1.2460   | 1.4852   |
| #1     | 2.3811 | 26.456 | .94807 | 2.4756 | 1.3317   | 4.9602 | 2.5145   | 25.087   |
| #2     | 2.3667 | 26.814 | .96364 | 2.4538 | 1.3177   | 5.0606 | 2.5592   | 25.619   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020   | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | 2.3014 | 1.2733 | 23.597 | 2.4415 | 2.4632   | 26.018 | F 5.5990 | 4.8153   |
| Stddev | .0097  | .0148  | .143   | .0239  | .0246    | .208   | .0366    | .0401    |
| %RSD   | .42185 | 1.1624 | .60586 | .97701 | 1.0009   | .79852 | .65373   | .83277   |
| #1     | 2.3083 | 1.2628 | 23.496 | 2.4247 | 2.4457   | 25.871 | 5.6249   | 4.7869   |
| #2     | 2.2946 | 1.2837 | 23.699 | 2.4584 | 2.4806   | 26.165 | 5.5731   | 4.8436   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077   | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | 5.0025 | 5.1506 | 4.8355 | 5.0276 | 5.0941   | 4.623  | 4.8990   | F 4.3539 |
| Stddev | .0448  | .0607  | .0242  | .0387  | .0293    | .033   | .0283    | .3165    |
| %RSD   | .89604 | 1.1794 | .50102 | .76922 | .57431   | .7225  | .57813   | 7.2700   |
| #1     | 5.0342 | 5.1076 | 4.8526 | 5.0003 | 5.0734   | 4.647  | 4.8789   | 4.1301   |
| #2     | 4.9708 | 5.1935 | 4.8184 | 5.0550 | 5.1147   | 4.599  | 4.9190   | 4.5778   |

Sample Name: CCV04      Acquired: 10/19/2018 15:05:11      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.5583 |
| Stddev | .0734    |
| %RSD   | 2.8682   |

|    |        |
|----|--------|
| #1 | 2.5065 |
| #2 | 2.6102 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2210.7 | 36159. | 4138.9 | 102.41 | 2926.1 |
| Stddev    | 18.5   | 380.   | 31.6   | .84    | 20.7   |
| %RSD      | .83823 | 1.0498 | .76322 | .82487 | .70658 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2197.6 | 36427. | 4161.2 | 103.01 | 2911.5 |
| #2 | 2223.8 | 35890. | 4116.6 | 101.81 | 2940.8 |

Sample Name: CCB04      Acquired: 10/19/2018 15:08:56      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |         |        |        |
|--------|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00384 | .00067 | -.00199 | .00036 | -.00062 | -.00309 | .00083 | .00007 |
| Stddev | .00054 | .00099 | .00019  | .00075 | .00031  | .00001  | .00022 | .00004 |
| %RSD   | 14.148 | 147.21 | 9.4853  | 206.81 | 50.606  | .19203  | 26.891 | 51.845 |

|    |        |         |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|---------|--------|--------|
| #1 | .00345 | .00138  | -.00186 | .00089  | -.00040 | -.00309 | .00099 | .00010 |
| #2 | .00422 | -.00003 | -.00213 | -.00017 | -.00084 | -.00308 | .00067 | .00004 |

|        |         |         |        |         |        |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00010 | -.00480 | .00056 | -.00017 | .00008 | .00313 | .00002 | .05173 |
| Stddev | .00005  | .01058  | .00008 | .00022  | .00019 | .00037 | .00003 | .03472 |
| %RSD   | 47.039  | 220.43  | 13.378 | 128.80  | 236.08 | 11.905 | 133.58 | 67.128 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | -.00013 | .00268  | .00061 | -.00002 | -.00005 | .00287 | .00000 | .07628 |
| #2 | -.00006 | -.01228 | .00051 | -.00033 | .00022  | .00340 | .00005 | .02717 |

|        |        |         |         |         |         |        |        |        |
|--------|--------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00066 | -.00020 | -.12468 | -.00028 | -.00019 | .01309 | .00024 | .00667 |
| Stddev | .00013 | .00016  | .00059  | .00004  | .00003  | .01073 | .00001 | .00941 |
| %RSD   | 19.704 | 80.710  | .47631  | 15.415  | 15.722  | 81.965 | 5.3021 | 141.13 |

|    |        |         |         |         |         |        |        |        |
|----|--------|---------|---------|---------|---------|--------|--------|--------|
| #1 | .00075 | -.00008 | -.12510 | -.00025 | -.00021 | .02067 | .00023 | .01332 |
| #2 | .00056 | -.00031 | -.12426 | -.00031 | -.00017 | .00550 | .00025 | .00001 |

|        |         |        |         |        |         |        |         |          |
|--------|---------|--------|---------|--------|---------|--------|---------|----------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670   |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | -.00148 | .00174 | -.00079 | .00371 | -.00042 | -.0019 | -.00001 | F 3.4119 |
| Stddev | .00017  | .00104 | .00024  | .00052 | .00014  | .0023  | .00002  | .1138    |
| %RSD   | 11.232  | 59.596 | 30.745  | 14.135 | 33.369  | 117.3  | 198.39  | 3.3362   |

|    |         |        |         |        |         |        |         |        |
|----|---------|--------|---------|--------|---------|--------|---------|--------|
| #1 | -.00159 | .00101 | -.00062 | .00408 | -.00032 | -.0003 | .00000  | 3.4924 |
| #2 | -.00136 | .00248 | -.00096 | .00334 | -.00051 | -.0036 | -.00002 | 3.3314 |

Sample Name: CCB04      Acquired: 10/19/2018 15:08:56      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .36152  
Stddev      .02013  
%RSD      5.5695

#1      .34728  
#2      .37576

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2297.0 | 37265. | 4107.8 | 104.02 | 3237.3 |
| Stddev    | .8     | 20.    | 12.6   | 2.46   | 3.2    |
| %RSD      | .03602 | .05384 | .30766 | 2.3622 | .09748 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2297.6 | 37250. | 4116.7 | 105.76 | 3239.5 |
| #2 | 2296.4 | 37279. | 4098.9 | 102.28 | 3235.0 |

Sample Name: J5309-14DL2X4      Acquired: 10/19/2018 15:12:59      Type: Unk  
Method: P4-ICP2(v2514)      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    | .01402 | -.02400 | .09033 | -.06112 | .00495 | 124.04 | .57557 |
| Stddev | .01002 | .00119  | .00206 | .00452  | .00232 | .80    | .00159 |
| %RSD   | 71.482 | 4.9593  | 2.2857 | 7.3954  | 46.874 | .64382 | .27576 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02111 | -.02316 | .08887 | -.06432 | .00331 | 123.47 | .57445 |
| #2 | .00693 | -.02484 | .09179 | -.05793 | .00658 | 124.60 | .57670 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00267 | .00258 | 3.9365 | .23268 | .08710 | .02478 | 148.50 |
| Stddev | .00010 | .00018 | .0465  | .00130 | .00027 | .00073 | 2.39   |
| %RSD   | 3.6574 | 6.8778 | 1.1805 | .56002 | .30508 | 2.9342 | 1.6096 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00260 | .00245 | 3.9037 | .23176 | .08729 | .02427 | 150.19 |
| #2 | .00274 | .00270 | 3.9694 | .23360 | .08691 | .02530 | 146.81 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.4024 | 45.241 | .11628 | .00111 | .92405 | .30100 | .42994 |
| Stddev | .0076  | .320   | .00167 | .00057 | .00925 | .00091 | .00759 |
| %RSD   | .17288 | .70685 | 1.4381 | 51.063 | 1.0007 | .30289 | 1.7658 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.3970 | 45.015 | .11509 | .00152 | .93059 | .30164 | .43531 |
| #2 | 4.4078 | 45.468 | .11746 | .00071 | .91751 | .30035 | .42458 |

|        |        |         |         |        |          |        |        |
|--------|--------|---------|---------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm      | ppm    | ppm    |
| Avg    | 20.957 | -.00071 | -.04329 | .83670 | F 19.412 | .01374 | 6.7590 |
| Stddev | .099   | .00026  | .01108  | .00524 | .190     | .00102 | .0561  |
| %RSD   | .47273 | 36.200  | 25.603  | .62663 | .97774   | 7.3925 | .82944 |

|    |        |         |         |        |        |        |        |
|----|--------|---------|---------|--------|--------|--------|--------|
| #1 | 20.887 | -.00053 | -.03545 | .84041 | 19.546 | .01302 | 6.7194 |
| #2 | 21.027 | -.00089 | -.05112 | .83299 | 19.278 | .01445 | 6.7987 |

Sample Name: J5309-14DL2X4      Acquired: 10/19/2018 15:12:59      Type: Unk  
 Method: P4-ICP2(v2514)      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    | .26032 | 1.550  | .04422 | <.00000 | F<.00000 |
| Stddev | .00191 | .001   | .00002 | .18968  | .18738   |
| %RSD   | .73274 | .0752  | .05383 | 3.8004  | 1.0620   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .25897 | 1.550 | .04421 | -4.8571 | -17.776 |
| #2 | .26167 | 1.551 | .04424 | -5.1253 | -17.511 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2386.2 | 38446. | 4346.2 | 101.90 | 2960.3 |
| Stddev    | 6.0    | 57.    | 17.7   | 2.08   | 9.3    |
| %RSD      | .25291 | .14817 | .40698 | 2.0422 | .31288 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2381.9 | 38405. | 4333.7 | 100.42 | 2953.7 |
| #2 | 2390.5 | 38486. | 4358.7 | 103.37 | 2966.8 |

Sample Name: J5309-15DL2X4      Acquired: 10/19/2018 15:16:56      Type: Unk  
Method: P4-ICP2(v2514)      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    | .02137 | -.02311 | .06930 | -.05746 | .00470 | 129.02 | .73594 |
| Stddev | .00189 | .00182  | .00002 | .00055  | .00197 | .29    | .00243 |
| %RSD   | 8.8426 | 7.8889  | .02527 | .95923  | 41.949 | .22369 | .32953 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02271 | -.02440 | .06931 | -.05785 | .00331 | 128.81 | .73765 |
| #2 | .02004 | -.02182 | .06929 | -.05707 | .00610 | 129.22 | .73422 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00381 | .00205 | 5.5851 | .20852 | .08024 | .01025 | 152.23 |
| Stddev | .00002 | .00014 | .0102  | .00055 | .00012 | .00025 | .88    |
| %RSD   | .64948 | 6.8885 | .18332 | .26363 | .14535 | 2.3945 | .57713 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00383 | .00215 | 5.5923 | .20891 | .08032 | .01043 | 152.85 |
| #2 | .00380 | .00195 | 5.5779 | .20814 | .08016 | .01008 | 151.61 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.3175 | 42.880 | .11172 | .00270 | .34504 | .29922 | .47114 |
| Stddev | .0189  | .182   | .00011 | .00035 | .00161 | .00132 | .00220 |
| %RSD   | .29936 | .42503 | .09757 | 12.801 | .46673 | .44269 | .46756 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.3041 | 42.751 | .11179 | .00246 | .34390 | .29828 | .47269 |
| #2 | 6.3309 | 43.009 | .11164 | .00294 | .34618 | .30016 | .46958 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 15.882 | .00105 | -.02581 | .95355 | 6.5664 | .01263 | 6.2177 |
| Stddev | .027   | .00024 | .00269  | .00519 | .0001  | .00109 | .0064  |
| %RSD   | .16776 | 23.153 | 10.427  | .54391 | .00167 | 8.5982 | .10335 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 15.901 | .00088 | -.02391 | .95722 | 6.5664 | .01186 | 6.2222 |
| #2 | 15.863 | .00123 | -.02771 | .94988 | 6.5665 | .01340 | 6.2131 |

Sample Name: J5309-15DL2X4      Acquired: 10/19/2018 15:16:56      Type: Unk  
 Method: P4-ICP2(v2514)      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    | .27115 | 1.865  | .05893 | <.00000 | F<.00000 |
| Stddev | .00123 | .011   | .00001 | .51905  | .56821   |
| %RSD   | .45397 | .6065  | .01943 | 8.9796  | 3.0647   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .27028 | 1.873 | .05893 | -6.1474 | -18.139 |
| #2 | .27202 | 1.857 | .05894 | -5.4133 | -18.942 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2483.0 | 39748. | 4512.4 | 101.28 | 2981.4 |
| Stddev    | 9.9    | 17.    | 11.7   | .76    | 13.2   |
| %RSD      | .39786 | .04314 | .25824 | .75067 | .44198 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2476.0 | 39760. | 4504.2 | 100.74 | 2972.1 |
| #2 | 2490.0 | 39736. | 4520.6 | 101.81 | 2990.7 |

Sample Name: J5309-16DL2X4      Acquired: 10/19/2018 15:20:52      Type: Unk  
Method: P4-ICP2(v2514)      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    | .04588 | -.01882 | .70761 | -.06093 | .00692 | 121.94 | .74878 |
| Stddev | .00164 | .00154  | .00337 | .00176  | .00085 | .26    | .00495 |
| %RSD   | 3.5749 | 8.2025  | .47593 | 2.8905  | 12.302 | .21359 | .66165 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04472 | -.01773 | .70523 | -.06218 | .00632 | 121.75 | .74527 |
| #2 | .04704 | -.01991 | .70999 | -.05969 | .00752 | 122.12 | .75228 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00309 | .00896 | 12.689 | .19692 | .06481 | .24662 | 159.68 |
| Stddev | .00008 | .00031 | .052   | .00049 | .00024 | .00242 | 3.29   |
| %RSD   | 2.5179 | 3.4476 | .40812 | .24759 | .37107 | .98244 | 2.0588 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00314 | .00874 | 12.652 | .19726 | .06498 | .24490 | 162.00 |
| #2 | .00303 | .00918 | 12.725 | .19657 | .06464 | .24833 | 157.35 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.7364 | 43.365 | .12119 | .00133 | .67583 | .30758 | 2.7284 |
| Stddev | .0034  | .299   | .00160 | .00050 | .02328 | .00037 | .0612  |
| %RSD   | .09008 | .68849 | 1.3198 | 37.740 | 3.4442 | .12060 | 2.2433 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.7340 | 43.153 | .12006 | .00169 | .65937 | .30785 | 2.7717 |
| #2 | 3.7388 | 43.576 | .12232 | .00098 | .69229 | .30732 | 2.6851 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 24.119 | .00261 | -.03634 | 1.2932 | 7.0250 | .03626 | 5.0033 |
| Stddev | .100   | .00070 | .01425  | .0023  | .0065  | .00171 | .0056  |
| %RSD   | .41351 | 26.877 | 39.216  | .18054 | .09296 | 4.7253 | .11181 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 24.049 | .00311 | -.02627 | 1.2948 | 7.0204 | .03505 | 5.0073 |
| #2 | 24.190 | .00212 | -.04642 | 1.2915 | 7.0296 | .03747 | 4.9994 |

Sample Name: J5309-16DL2X4      Acquired: 10/19/2018 15:20:52      Type: Unk  
 Method: P4-ICP2(v2514)      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    | .21681 | 2.860  | .10563 | <.00000 | F<.00000 |
| Stddev | .00087 | .015   | .00005 | .03714  | 1.3836   |
| %RSD   | .39990 | .5088  | .04380 | .57047  | 5.9466   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .21742 | 2.849 | .10566 | -6.4838 | -24.245 |
| #2 | .21620 | 2.870 | .10559 | -6.5363 | -22.288 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2370.8 | 38688. | 4542.9 | 105.11 | 2945.0 |
| Stddev    | 11.0   | 34.    | 3.7    | 2.65   | .4     |
| %RSD      | .46505 | .08801 | .08119 | 2.5218 | .01204 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2363.0 | 38664. | 4545.5 | 103.23 | 2944.7 |
| #2 | 2378.6 | 38712. | 4540.3 | 106.98 | 2945.2 |

Sample Name: J5309-17DL2X4      Acquired: 10/19/2018 15:24:46      Type: Unk  
Method: P4-ICP2(v2514)      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    | .02804 | -.01816 | .56946 | -.06281 | .00338 | 107.01 | .69165 |
| Stddev | .00207 | .00344  | .00144 | .00010  | .00023 | .76    | .00116 |
| %RSD   | 7.3663 | 18.939  | .25235 | .16628  | 6.7886 | .70907 | .16705 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02658 | -.01573 | .56844 | -.06273 | .00354 | 106.47 | .69083 |
| #2 | .02950 | -.02059 | .57048 | -.06288 | .00321 | 107.55 | .69246 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00249 | .00638 | 7.8449 | .17408 | .06753 | .13999 | 154.81 |
| Stddev | .00023 | .00018 | .0740  | .00104 | .00018 | .00080 | .54    |
| %RSD   | 9.2659 | 2.8203 | .94383 | .59547 | .26989 | .57090 | .34944 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00232 | .00625 | 7.7925 | .17481 | .06741 | .13942 | 155.19 |
| #2 | .00265 | .00651 | 7.8972 | .17334 | .06766 | .14056 | 154.43 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.5889 | 36.912 | .10506 | .00106 | .44407 | .29752 | 1.1011 |
| Stddev | .0136  | .202   | .00009 | .00004 | .00394 | .00105 | .0058  |
| %RSD   | .24379 | .54648 | .08533 | 4.1475 | .88782 | .35450 | .52563 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.5792 | 36.769 | .10513 | .00103 | .44685 | .29678 | 1.1052 |
| #2 | 5.5985 | 37.055 | .10500 | .00109 | .44128 | .29827 | 1.0970 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.681 | .00043 | -.04623 | 1.0965 | 7.2565 | .02149 | 4.2299 |
| Stddev | .060   | .00004 | .00774  | .0021  | .0131  | .00033 | .0085  |
| %RSD   | .33784 | 8.6548 | 16.736  | .18705 | .18078 | 1.5358 | .20190 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 17.639 | .00045 | -.05170 | 1.0951 | 7.2472 | .02125 | 4.2239 |
| #2 | 17.723 | .00040 | -.04076 | 1.0980 | 7.2657 | .02172 | 4.2360 |

Sample Name: J5309-17DL2X4      Acquired: 10/19/2018 15:24:46      Type: Unk  
Method: P4-ICP2(v2514)      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    | .24630 | 2.148  | .06743 | <.00000 | F<.00000 |
| Stddev | .00447 | .004   | .00032 | .22930  | .42744   |
| %RSD   | 1.8166 | .1658  | .47137 | 3.6278  | 1.9201   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .24314 | 2.145 | .06765 | -6.1587 | -22.564 |
| #2 | .24947 | 2.150 | .06720 | -6.4830 | -21.959 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2350.0 | 38602. | 4525.8 | 107.10 | 2958.1 |
| Stddev    | 4.7    | 38.    | 7.0    | .95    | 7.1    |
| %RSD      | .20055 | .09841 | .15500 | .88852 | .24029 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2346.6 | 38575. | 4520.9 | 106.42 | 2953.1 |
| #2 | 2353.3 | 38628. | 4530.8 | 107.77 | 2963.1 |

Sample Name: J5309-23DL2X4      Acquired: 10/19/2018 15:28:39      Type: Unk  
Method: P4-ICP2(v2514)      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    | .03037 | -.02256 | .20377 | -.06627 | .00618 | 148.15 | .90488 |
| Stddev | .00195 | .00008  | .00070 | .00361  | .00299 | .37    | .01290 |
| %RSD   | 6.4209 | .33921  | .34330 | 5.4536  | 48.355 | .25239 | 1.4261 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03175 | -.02251 | .20426 | -.06883 | .00407 | 148.42 | .91400 |
| #2 | .02899 | -.02261 | .20327 | -.06371 | .00829 | 147.89 | .89575 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00377 | .00367 | 20.329 | .25471 | .08476 | .08511 | 183.26 |
| Stddev | .00004 | .00031 | .139   | .00010 | .00044 | .00164 | 2.16   |
| %RSD   | 1.1705 | 8.4588 | .68546 | .03867 | .51984 | 1.9213 | 1.1773 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00374 | .00345 | 20.427 | .25478 | .08507 | .08395 | 184.78 |
| #2 | .00380 | .00389 | 20.230 | .25464 | .08445 | .08626 | 181.73 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.5885 | 59.341 | .13413 | .00061 | 5.7451 | .36422 | .53459 |
| Stddev | .0034  | .309   | .00097 | .00044 | .0807  | .00043 | .00505 |
| %RSD   | .09489 | .51994 | .72690 | 71.539 | 1.4051 | .11925 | .94460 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.5861 | 59.559 | .13482 | .00092 | 5.8022 | .36452 | .53816 |
| #2 | 3.5909 | 59.123 | .13344 | .00030 | 5.6880 | .36391 | .53102 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 45.037 | -.00059 | -.03225 | .74675 | 4.9074 | .02079 | 6.0093 |
| Stddev | .316   | .00003  | .01472  | .00372 | .0054  | .00152 | .0168  |
| %RSD   | .70182 | 5.1257  | 45.641  | .49851 | .11019 | 7.3301 | .27906 |

|    |        |         |         |        |        |        |        |
|----|--------|---------|---------|--------|--------|--------|--------|
| #1 | 45.261 | -.00061 | -.02184 | .74938 | 4.9036 | .02187 | 6.0211 |
| #2 | 44.814 | -.00057 | -.04266 | .74412 | 4.9112 | .01971 | 5.9974 |

Sample Name: J5309-23DL2X4      Acquired: 10/19/2018 15:28:39      Type: Unk  
Method: P4-ICP2(v2514)      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    | .28551 | 2.140  | .18313 | <.00000 | F<.00000 |
| Stddev | .00108 | .014   | .00071 | .01890  | 1.0411   |
| %RSD   | .37794 | .6506  | .38901 | .28421  | 3.3525   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .28627 | 2.150 | .18363 | -6.6353 | -30.317 |
| #2 | .28474 | 2.130 | .18262 | -6.6620 | -31.790 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2414.7 | 38880. | 4648.5 | 104.08 | 2900.3 |
| Stddev    | 10.0   | 158.   | 37.3   | 1.35   | 10.3   |
| %RSD      | .41401 | .40761 | .80311 | 1.3010 | .35351 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2407.7 | 38768. | 4622.1 | 103.12 | 2893.1 |
| #2 | 2421.8 | 38992. | 4674.9 | 105.04 | 2907.6 |

Sample Name: PB114004BL      Acquired: 10/19/2018 15:32:35      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00468  | -.00009 | -.00104 | -.00173 | -.00080 | -.00170 | -.00037 | -.00000  |
| Stddev | .00557  | .00019  | .00010  | .00022  | .00009  | .00263  | .00026  | .00008   |
| %RSD   | 119.07  | 212.30  | 9.2638  | 12.888  | 11.835  | 155.02  | 71.884  | 2049.2   |
| #1     | .00074  | -.00022 | -.00097 | -.00189 | -.00073 | .00016  | -.00018 | -.00006  |
| #2     | .00861  | .00004  | -.00111 | -.00157 | -.00086 | -.00356 | -.00055 | .00006   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00002 | -.01318 | -.00008 | .00000  | -.00046 | .01012  | .00003  | -.02846  |
| Stddev | .00004  | .00246  | .00007  | .00006  | .00007  | .01689  | .00000  | .00680   |
| %RSD   | 157.36  | 18.683  | 94.617  | 1267.7  | 14.953  | 166.88  | 15.296  | 23.904   |
| #1     | -.00005 | -.01492 | -.00013 | .00005  | -.00041 | .02206  | .00003  | -.03327  |
| #2     | .00000  | -.01144 | -.00002 | -.00004 | -.00051 | -.00182 | .00002  | -.02365  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00140  | .00010  | -.15856 | -.00042 | -.00023 | -.01246 | -.00025 | .00068   |
| Stddev | .00005  | .00005  | .00308  | .00022  | .00007  | .01458  | .00004  | .00201   |
| %RSD   | 3.3764  | 44.632  | 1.9446  | 52.554  | 29.617  | 116.96  | 16.617  | 296.21   |
| #1     | .00144  | .00007  | -.16075 | -.00057 | -.00028 | -.00216 | -.00028 | -.00074  |
| #2     | .00137  | .00013  | -.15638 | -.00026 | -.00018 | -.02277 | -.00022 | .00210   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00457 | .00567  | -.00063 | .00224  | -.00096 | -.0027  | .00010  | F 3.3678 |
| Stddev | .00285  | .00006  | .00004  | .00052  | .00153  | .0003   | .00006  | .3376    |
| %RSD   | 62.318  | 1.0748  | 6.8798  | 23.213  | 159.07  | 9.949   | 56.712  | 10.026   |
| #1     | -.00658 | .00572  | -.00066 | .00261  | -.00204 | -.0028  | .00014  | 3.6065   |
| #2     | -.00256 | .00563  | -.00060 | .00187  | .00012  | -.0025  | .00006  | 3.1290   |

Sample Name: PB114004BL      Acquired: 10/19/2018 15:32:35      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .41194  
Stddev      .23834  
%RSD      57.857

#1      .24341  
#2      .58047

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2316.5 | 37743. | 4165.8 | 105.88 | 3256.6 |
| Stddev    | 4.6    | 1091.  | 5.7    | .77    | 9.3    |
| %RSD      | .20019 | 2.8896 | .13795 | .72347 | .28409 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2313.3 | 36972. | 4161.7 | 105.34 | 3250.1 |
| #2 | 2319.8 | 38515. | 4169.8 | 106.43 | 3263.2 |

Sample Name: PB114004BS      Acquired: 10/19/2018 15:36:40      Type: Unk  
Method: P4-ICP2(v2514)      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    | .83931 | 1.8061 | .94699 | 2.0059 | .89142 | 2.1377 | .21763 |
| Stddev | .00549 | .0109  | .00577 | .0014  | .00215 | .0052  | .00024 |
| %RSD   | .65468 | .60472 | .60977 | .07007 | .24127 | .24322 | .11048 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83543 | 1.7984 | .94291 | 2.0050 | .88990 | 2.1413 | .21746 |
| #2 | .84320 | 1.8138 | .95108 | 2.0069 | .89294 | 2.1340 | .21780 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19323 | .17874 | 1.1056 | .37626 | .19230 | .32766 | 2.7653 |
| Stddev | .00068 | .00143 | .0029  | .00135 | .00051 | .00096 | .0259  |
| %RSD   | .35086 | .80107 | .26696 | .35924 | .26504 | .29407 | .93463 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19275 | .17773 | 1.1035 | .37530 | .19194 | .32698 | 2.7836 |
| #2 | .19371 | .17975 | 1.1076 | .37721 | .19266 | .32834 | 2.7470 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21161 | 2.0647 | .45141 | .06789 | 2.8356 | .28205 | .19737 |
| Stddev | .00017 | .0036  | .00167 | .00028 | .0008  | .00014 | .00123 |
| %RSD   | .07962 | .17350 | .36892 | .41785 | .02995 | .05092 | .62305 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21149 | 2.0622 | .45024 | .06810 | 2.8350 | .28195 | .19824 |
| #2 | .21173 | 2.0672 | .45259 | .06769 | 2.8362 | .28215 | .19650 |

|        |        |          |        |           |        |        |        |
|--------|--------|----------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020   | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm      | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.636 | F .46921 | .29441 | F -.00616 | .96196 | .64183 | .20947 |
| Stddev | .028   | .00358   | .01156 | .00076    | .00409 | .00293 | .00017 |
| %RSD   | .26330 | .76234   | 3.9256 | 12.409    | .42551 | .45596 | .08237 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.655 | .46668 | .28624 | -.00670 | .95906 | .63976 | .20959 |
| #2 | 10.616 | .47174 | .30258 | -.00562 | .96485 | .64390 | .20935 |

Sample Name: PB114004BS      Acquired: 10/19/2018 15:36:40      Type: Unk  
Method: P4-ICP2(v2514)      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    | .21365 | F 4.909 | .20196 | F 3.3456 | F<.00000 |
| Stddev | .00163 | .004    | .00075 | .4212    | .06950   |
| %RSD   | .76495 | .0868   | .37303 | 12.589   | 4.9930   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21249 | 4.906 | .20249 | 3.6435 | -1.3429 |
| #2 | .21480 | 4.912 | .20143 | 3.0478 | -1.4412 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2240.2 | 37188. | 4186.2 | 104.72 | 3172.3 |
| Stddev    | 17.2   | 126.   | 31.7   | 1.69   | 18.6   |
| %RSD      | .76641 | .33901 | .75704 | 1.6149 | .58637 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2228.1 | 37099. | 4163.8 | 103.53 | 3159.1 |
| #2 | 2252.3 | 37277. | 4208.6 | 105.92 | 3185.4 |

Sample Name: J5594-01      Acquired: 10/19/2018 15:40:33      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00949   | .00015   | .00588  | -.00061 | -.00301 | .05704  | .33509 | .00023 |
| Stddev | .00293   | .00142   | .00171  | .00025  | .00326  | .02189  | .00016 | .00015 |
| %RSD   | 30.850   | 936.97   | 29.142  | 41.472  | 108.49  | 38.372  | .04675 | 65.384 |
| #1     | .01156   | .00116   | .00467  | -.00079 | -.00531 | .04156  | .33498 | .00034 |
| #2     | .00742   | -.00085  | .00709  | -.00043 | -.00070 | .07251  | .33520 | .00012 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00023  | 335.05   | .00061  | -.00052 | .00360  | -.10067 | .00084 | 152.25 |
| Stddev | .00000   | .89      | .00037  | .00058  | .00034  | .01785  | .00006 | .59    |
| %RSD   | .54214   | .26492   | 60.744  | 110.47  | 9.3050  | 17.733  | 7.4556 | .38638 |
| #1     | -.00023  | 334.42   | .00035  | -.00011 | .00384  | -.08805 | .00080 | 151.84 |
| #2     | -.00023  | 335.68   | .00088  | -.00093 | .00337  | -.11330 | .00088 | 152.67 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00155  | -.00056  | 1425.8  | .00129  | .05586  | 56.824  | .02981 | .50361 |
| Stddev | .00015   | .00032   | 4.0     | .00066  | .00022  | .063    | .00009 | .00509 |
| %RSD   | 9.8326   | 57.877   | .28256  | 51.240  | .39193  | .11026  | .30499 | 1.0113 |
| #1     | -.00145  | -.00033  | 1428.6  | .00176  | .05570  | 56.779  | .02987 | .50000 |
| #2     | -.00166  | -.00079  | 1422.9  | .00082  | .05601  | 56.868  | .02974 | .50721 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 161.57 | F 17.476 | -.05736 | -.00858 | .04560  | .0776   | 2.3294 | 11.673 |
| Stddev | .17      | .038     | .00019  | .00132  | .00099  | .0011   | .0023  | .311   |
| %RSD   | .10669   | .21746   | .33876  | 15.344  | 2.1620  | 1.451   | .09960 | 2.6627 |
| #1     | 161.69   | 17.503   | -.05750 | -.00765 | .04629  | .0768   | 2.3277 | 11.453 |
| #2     | 161.45   | 17.449   | -.05723 | -.00951 | .04490  | .0784   | 2.3310 | 11.892 |

Sample Name: J5594-01      Acquired: 10/19/2018 15:40:33      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.3328 |
| Stddev | .0815  |
| %RSD   | 1.5284 |

|    |        |
|----|--------|
| #1 | 5.2752 |
| #2 | 5.3905 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2038.4 | 32014. | 4106.8 | 102.65 | 2504.4 |
| Stddev    | 8.3    | 174.   | 11.3   | .18    | 2.4    |
| %RSD      | .40948 | .54370 | .27425 | .17782 | .09424 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2044.3 | 32137. | 4114.7 | 102.78 | 2502.7 |
| #2 | 2032.5 | 31891. | 4098.8 | 102.52 | 2506.1 |

Sample Name: J5594-01DUP      Acquired: 10/19/2018 15:44:41      Type: Unk  
Method: P4-ICP2(v2514)      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    | .01271   | -.00264  | .00731  | -.00231 | -.00571 | .07390  | .33110 | -.00002 |
| Stddev | .00218   | .00475   | .00187  | .00137  | .00223  | .02653  | .00016 | .00012  |
| %RSD   | 17.147   | 179.46   | 25.530  | 59.253  | 39.086  | 35.894  | .04945 | 645.99  |
| #1     | .01117   | .00071   | .00863  | -.00328 | -.00413 | .05514  | .33099 | .00006  |
| #2     | .01425   | -.00600  | .00599  | -.00134 | -.00728 | .09266  | .33122 | -.00010 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00021  | 326.86   | -.00032 | -.00073 | .00334  | -.08905 | .00090 | 147.73  |
| Stddev | .00001   | .61      | .00029  | .00008  | .00018  | .00869  | .00004 | .88     |
| %RSD   | 3.1717   | .18567   | 90.147  | 11.144  | 5.2945  | 9.7585  | 4.5816 | .59752  |
| #1     | -.00020  | 327.29   | -.00052 | -.00079 | .00322  | -.09519 | .00093 | 148.35  |
| #2     | -.00021  | 326.43   | -.00012 | -.00068 | .00347  | -.08290 | .00088 | 147.10  |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496  |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00127  | -.00006  | 1391.6  | .00118  | .05518  | 56.233  | .02978 | .48404  |
| Stddev | .00032   | .00015   | 10.2    | .00031  | .00055  | .280    | .00001 | .00656  |
| %RSD   | 25.080   | 227.17   | .73140  | 26.388  | .98913  | .49870  | .02904 | 1.3548  |
| #1     | -.00150  | .00004   | 1398.8  | .00096  | .05556  | 56.431  | .02978 | .47941  |
| #2     | -.00105  | -.00017  | 1384.4  | .00139  | .05479  | 56.034  | .02979 | .48868  |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | F 160.67 | F 16.944 | -.05659 | -.00967 | .04624  | .0766   | 2.3074 | 11.163  |
| Stddev | .20      | .123     | .00073  | .00128  | .00055  | .0033   | .0156  | .118    |
| %RSD   | .12547   | .72873   | 1.2903  | 13.241  | 1.1950  | 4.279   | .67480 | 1.0569  |
| #1     | 160.52   | 17.032   | -.05710 | -.01057 | .04663  | .0789   | 2.3184 | 11.080  |
| #2     | 160.81   | 16.857   | -.05607 | -.00876 | .04585  | .0743   | 2.2964 | 11.247  |

Sample Name: J5594-01DUP      Acquired: 10/19/2018 15:44:41      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      5.5074  
Stddev      .1330  
%RSD      2.4152

#1      5.4134  
#2      5.6015

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2029.5 | 32223. | 4210.1 | 102.62 | 2498.1 |
| Stddev    | 2.2    | 41.    | 34.9   | 1.36   | .4     |
| %RSD      | .10685 | .12668 | .82937 | 1.3284 | .01753 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2031.0 | 32251. | 4185.4 | 101.66 | 2497.8 |
| #2 | 2028.0 | 32194. | 4234.8 | 103.58 | 2498.4 |

Sample Name: J5594-01LX5      Acquired: 10/19/2018 15:48:49      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00533   | .00029  | .00126  | .00052  | -.00393 | .04785  | .06659 | .00008 |
| Stddev | .00698   | .00004  | .00124  | .00191  | .00120  | .00027  | .00019 | .00002 |
| %RSD   | 130.90   | 12.536  | 97.975  | 370.33  | 30.523  | .56087  | .28565 | 18.155 |
| #1     | .00040   | .00027  | .00214  | .00187  | -.00308 | .04804  | .06646 | .00007 |
| #2     | .01027   | .00032  | .00039  | -.00083 | -.00478 | .04766  | .06673 | .00010 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00019  | 66.351  | .00015  | -.00021 | .00036  | -.01361 | .00038 | 29.708 |
| Stddev | .00000   | .366    | .00034  | .00018  | .00025  | .00467  | .00004 | .070   |
| %RSD   | 1.7806   | .55096  | 219.96  | 82.429  | 69.309  | 34.326  | 11.871 | .23594 |
| #1     | -.00019  | 66.092  | -.00008 | -.00034 | .00018  | -.01030 | .00034 | 29.658 |
| #2     | -.00019  | 66.609  | .00039  | -.00009 | .00054  | -.01691 | .00041 | 29.758 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00070  | -.00067 | 293.05  | .00014  | .01052  | 11.130  | .00564 | .10433 |
| Stddev | .00040   | .00011  | .26     | .00001  | .00001  | .049    | .00016 | .00340 |
| %RSD   | 56.533   | 16.881  | .08799  | 5.8022  | .12535  | .43926  | 2.9174 | 3.2628 |
| #1     | -.00098  | -.00059 | 293.23  | .00015  | .01051  | 11.164  | .00552 | .10193 |
| #2     | -.00042  | -.00075 | 292.87  | .00014  | .01053  | 11.095  | .00575 | .10674 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 29.152 | 3.4886  | -.01042 | -.00107 | .01510  | .0115   | .46641 | 5.9952 |
| Stddev | .003     | .0062   | .00015  | .00020  | .00017  | .0033   | .00119 | .1660  |
| %RSD   | .01061   | .17698  | 1.4582  | 19.104  | 1.1502  | 28.35   | .25581 | 2.7684 |
| #1     | 29.150   | 3.4930  | -.01031 | -.00122 | .01522  | .0138   | .46557 | 6.1126 |
| #2     | 29.154   | 3.4843  | -.01052 | -.00093 | .01497  | .0092   | .46726 | 5.8779 |

Sample Name: J5594-01LX5      Acquired: 10/19/2018 15:48:49      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.7492 |
| Stddev | .0302  |
| %RSD   | 1.7240 |

|    |        |
|----|--------|
| #1 | 1.7278 |
| #2 | 1.7705 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2150.3 | 34542. | 4274.8 | 107.08 | 2820.5 |
| Stddev    | 8.0    | 32.    | 10.0   | .18    | 7.9    |
| %RSD      | .37200 | .09401 | .23320 | .16650 | .28161 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2144.6 | 34519. | 4267.8 | 107.21 | 2814.9 |
| #2 | 2155.9 | 34565. | 4281.9 | 106.96 | 2826.1 |

Sample Name: CCV05      Acquired: 10/19/2018 15:58:50      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.3186 | 4.6542 | 4.7878 | 5.1706 | 5.4756 | 10.857 | 10.198 | .25076 |
| Stddev | .0162  | .0080  | .0055  | .0027  | .0058  | .076   | .074   | .00021 |
| %RSD   | .30424 | .17297 | .11491 | .05248 | .10647 | .69918 | .72571 | .08316 |
| #1     | 5.3301 | 4.6485 | 4.7917 | 5.1725 | 5.4715 | 10.803 | 10.146 | .25061 |
| #2     | 5.3072 | 4.6599 | 4.7839 | 5.1686 | 5.4798 | 10.911 | 10.250 | .25091 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.2567 | 27.297 | .92766 | 2.3536 | 1.3124 | 4.9864 | 2.4759 | 24.107 |
| Stddev | .0010  | .211   | .00114 | .0001  | .0006  | .0858  | .0038  | .052   |
| %RSD   | .04196 | .77480 | .12329 | .00437 | .04340 | 1.7197 | .15392 | .21406 |
| #1     | 2.2561 | 27.148 | .92847 | 2.3536 | 1.3128 | 4.9257 | 2.4732 | 24.144 |
| #2     | 2.2574 | 27.447 | .92685 | 2.3535 | 1.3120 | 5.0470 | 2.4786 | 24.071 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4184 | 1.2427 | 23.350 | 2.3962 | 2.4087 | 25.616 | 5.4167 | 4.6949 |
| Stddev | .0008  | .0018  | .210   | .0085  | .0570  | .206   | .0095  | .0424  |
| %RSD   | .03104 | .14606 | .90126 | .35583 | 2.3654 | .80502 | .17483 | .90365 |
| #1     | 2.4178 | 1.2440 | 23.202 | 2.3902 | 2.3684 | 25.470 | 5.4100 | 4.7249 |
| #2     | 2.4189 | 1.2414 | 23.499 | 2.4022 | 2.4490 | 25.762 | 5.4234 | 4.6649 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8997 | 4.9361 | 4.6031 | 4.8745 | 5.0744 | 4.512  | 4.8157 | 5.2888 |
| Stddev | .0102  | .0205  | .0022  | .0171  | .0391  | .020   | .0372  | .0886  |
| %RSD   | .20734 | .41527 | .04722 | .34993 | .77020 | .4523  | .77321 | 1.6758 |
| #1     | 4.9069 | 4.9216 | 4.6016 | 4.8865 | 5.0468 | 4.498  | 4.7894 | 5.3515 |
| #2     | 4.8926 | 4.9506 | 4.6046 | 4.8624 | 5.1020 | 4.527  | 4.8421 | 5.2261 |

Sample Name: CCV05      Acquired: 10/19/2018 15:58:50      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.2250  
Stddev      .0385  
%RSD      1.7314

#1      2.1977  
#2      2.2522

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2231.6 | 36217. | 4331.0 | 104.40 | 2983.4 |
| Stddev    | .9     | 68.    | 8.2    | 2.39   | 1.2    |
| %RSD      | .04234 | .18724 | .18980 | 2.2932 | .04088 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2232.3 | 36169. | 4336.8 | 106.09 | 2982.6 |
| #2 | 2230.9 | 36265. | 4325.1 | 102.70 | 2984.3 |

Sample Name: CCB05      Acquired: 10/19/2018 16:02:34      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |         |         |        |
|--------|--------|--------|---------|--------|---------|---------|---------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934  | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00213 | .00311 | -.00063 | .00065 | -.00135 | -.01095 | -.00022 | .00002 |
| Stddev | .00216 | .00191 | .00017  | .00321 | .00080  | .00868  | .00021  | .00003 |
| %RSD   | 101.16 | 61.443 | 27.382  | 497.15 | 59.424  | 79.269  | 96.718  | 169.06 |

|    |        |        |         |         |         |         |         |         |
|----|--------|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00061 | .00446 | -.00075 | .00291  | -.00192 | -.01708 | -.00007 | -.00000 |
| #2 | .00366 | .00176 | -.00050 | -.00162 | -.00078 | -.00481 | -.00037 | .00004  |

|        |        |         |        |         |        |         |        |        |
|--------|--------|---------|--------|---------|--------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00009 | -.02195 | .00024 | -.00016 | .00033 | -.00370 | .00010 | .03255 |
| Stddev | .00009 | .01435  | .00042 | .00007  | .00029 | .01306  | .00003 | .01995 |
| %RSD   | 97.534 | 65.375  | 180.12 | 47.287  | 88.588 | 352.60  | 35.070 | 61.294 |

|    |        |         |         |         |        |         |        |        |
|----|--------|---------|---------|---------|--------|---------|--------|--------|
| #1 | .00003 | -.01181 | .00054  | -.00010 | .00053 | -.01294 | .00008 | .04665 |
| #2 | .00015 | -.03210 | -.00006 | -.00021 | .00012 | .00553  | .00012 | .01844 |

|        |        |        |        |         |         |        |        |         |
|--------|--------|--------|--------|---------|---------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00144 | .00027 | .02541 | -.00070 | -.00043 | .09157 | .00080 | -.00904 |
| Stddev | .00026 | .00079 | .00756 | .00025  | .00007  | .00278 | .00002 | .00266  |
| %RSD   | 17.802 | 289.86 | 29.731 | 35.443  | 15.906  | 3.0372 | 2.5910 | 29.445  |

|    |        |         |        |         |         |        |        |         |
|----|--------|---------|--------|---------|---------|--------|--------|---------|
| #1 | .00162 | .00083  | .03076 | -.00087 | -.00038 | .08960 | .00081 | -.00715 |
| #2 | .00126 | -.00029 | .02007 | -.00052 | -.00048 | .09354 | .00078 | -.01092 |

|        |         |        |        |        |        |        |        |          |
|--------|---------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | -.00294 | .00450 | .00013 | .00075 | .00043 | -.0009 | .00012 | F 3.6281 |
| Stddev | .00309  | .00020 | .00137 | .00056 | .00030 | .0016  | .00005 | .1195    |
| %RSD   | 105.35  | 4.3954 | 1017.6 | 73.867 | 70.686 | 176.5  | 42.397 | 3.2941   |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00512 | .00464 | .00110  | .00115 | .00065 | .0002  | .00015 | 3.5436 |
| #2 | -.00075 | .00436 | -.00083 | .00036 | .00022 | -.0020 | .00008 | 3.7126 |

Sample Name: CCB05      Acquired: 10/19/2018 16:02:34      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F .41728  
 Stddev      .04959  
 %RSD      11.883

#1      .45234  
 #2      .38221

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2322.6 | 37842. | 4297.8 | 111.08 | 3288.9 |
| Stddev    | 2.2    | 63.    | 9.2    | 1.15   | 2.1    |
| %RSD      | .09383 | .16671 | .21292 | 1.0344 | .06292 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2324.2 | 37798. | 4304.2 | 110.27 | 3287.4 |
| #2 | 2321.1 | 37887. | 4291.3 | 111.89 | 3290.3 |

Sample Name: J5594-01MS      Acquired: 10/19/2018 16:06:38      Type: Unk  
Method: P4-ICP2(v2514)      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    | .87824   | 1.6432   | .93584 | 2.0871 | .88932 | 2.4019 | .52961 | .22399 |
| Stddev | .00661   | .0046    | .00268 | .0050  | .00070 | .0396  | .00010 | .00022 |
| %RSD   | .75232   | .27743   | .28686 | .24200 | .07879 | 1.6469 | .01894 | .10043 |
| #1     | .87357   | 1.6399   | .93774 | 2.0835 | .88981 | 2.4299 | .52968 | .22415 |
| #2     | .88291   | 1.6464   | .93394 | 2.0907 | .88882 | 2.3739 | .52954 | .22383 |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18026   | 325.74   | .34206 | .18611 | .28804 | 2.4770 | .19176 | 149.50 |
| Stddev | .00047   | 1.37     | .00075 | .00111 | .00052 | .0705  | .00043 | .18    |
| %RSD   | .26059   | .41953   | .21966 | .59656 | .17928 | 2.8459 | .22333 | .12262 |
| #1     | .18059   | 324.77   | .34259 | .18689 | .28768 | 2.5268 | .19206 | 149.37 |
| #2     | .17993   | 326.70   | .34153 | .18532 | .28841 | 2.4271 | .19145 | 149.63 |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .43341   | .07523   | 1388.1 | .26641 | .24022 | 66.316 | .44499 | .76446 |
| Stddev | .00007   | .00071   | 1.3    | .00242 | .00333 | .468   | .00112 | .00862 |
| %RSD   | .01629   | .94012   | .09351 | .90884 | 1.3851 | .70547 | .25201 | 1.1279 |
| #1     | .43336   | .07473   | 1387.2 | .26470 | .24258 | 65.985 | .44578 | .75836 |
| #2     | .43346   | .07573   | 1389.0 | .26813 | .23787 | 66.647 | .44420 | .77056 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 157.20 | F 17.844 | .60441 | .18140 | .26177 | 6.175  | 2.4621 | 11.231 |
| Stddev | .11      | .183     | .00316 | .00099 | .00097 | .012   | .0261  | .322   |
| %RSD   | .06805   | 1.0244   | .52311 | .54398 | .36870 | .1965  | 1.0619 | 2.8679 |
| #1     | 157.13   | 17.714   | .60218 | .18210 | .26245 | 6.167  | 2.4436 | 11.458 |
| #2     | 157.28   | 17.973   | .60665 | .18070 | .26108 | 6.184  | 2.4806 | 11.003 |

Sample Name: J5594-01MS      Acquired: 10/19/2018 16:06:38      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      4.2995  
Stddev      .2776  
%RSD      6.4554

#1      4.4958  
#2      4.1033

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2059.3 | 32532. | 4174.1 | 101.12 | 2517.4 |
| Stddev    | 4.8    | 1.     | 40.8   | 1.08   | 4.7    |
| %RSD      | .23182 | .00345 | .97697 | 1.0647 | .18771 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2062.6 | 32531. | 4203.0 | 100.36 | 2520.8 |
| #2 | 2055.9 | 32532. | 4145.3 | 101.88 | 2514.1 |

Sample Name: J5594-01MSD      Acquired: 10/19/2018 16:10:35      Type: Unk  
Method: P4-ICP2(v2514)      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    | .88784   | 1.6600   | .94857 | 2.1109 | .90216 | 2.4371 | .53524 | .22531 |
| Stddev | .00431   | .0035    | .00009 | .0026  | .00296 | .0459  | .00031 | .00024 |
| %RSD   | .48561   | .21351   | .00988 | .12236 | .32759 | 1.8815 | .05816 | .10618 |
| #1     | .88480   | 1.6625   | .94863 | 2.1127 | .90425 | 2.4047 | .53502 | .22514 |
| #2     | .89089   | 1.6575   | .94850 | 2.1091 | .90007 | 2.4695 | .53546 | .22548 |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18255   | 328.57   | .34672 | .18943 | .29018 | 2.4072 | .19335 | 150.58 |
| Stddev | .00004   | .29      | .00106 | .00042 | .00020 | .0050  | .00020 | .53    |
| %RSD   | .02126   | .08817   | .30611 | .22376 | .06808 | .20734 | .10393 | .35209 |
| #1     | .18252   | 328.36   | .34597 | .18913 | .29004 | 2.4037 | .19321 | 150.21 |
| #2     | .18258   | 328.77   | .34747 | .18972 | .29032 | 2.4108 | .19349 | 150.96 |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .44022   | .07597   | 1381.5 | .26962 | .23362 | 67.223 | .45026 | .77515 |
| Stddev | .00190   | .00054   | 10.5   | .00034 | .00019 | .119   | .00312 | .00022 |
| %RSD   | .43053   | .70717   | .76197 | .12479 | .08054 | .17657 | .69377 | .02881 |
| #1     | .44156   | .07635   | 1388.9 | .26938 | .23348 | 67.307 | .45247 | .77531 |
| #2     | .43888   | .07559   | 1374.0 | .26985 | .23375 | 67.139 | .44805 | .77500 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 158.60 | F 17.900 | .61439 | .18509 | .26514 | 6.293  | 2.5027 | 10.872 |
| Stddev | .48      | .045     | .00171 | .00137 | .00025 | .015   | .0036  | .086   |
| %RSD   | .30526   | .25274   | .27778 | .73844 | .09382 | .2351  | .14324 | .79035 |
| #1     | 158.95   | 17.932   | .61319 | .18413 | .26497 | 6.282  | 2.5053 | 10.933 |
| #2     | 158.26   | 17.868   | .61560 | .18606 | .26532 | 6.303  | 2.5002 | 10.812 |

Sample Name: J5594-01MSD      Acquired: 10/19/2018 16:10:35      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.1119 |
| Stddev | .2259  |
| %RSD   | 5.4947 |

|    |        |
|----|--------|
| #1 | 4.2716 |
| #2 | 3.9521 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2038.0 | 32104. | 4143.1 | 103.86 | 2484.1 |
| Stddev    | 6.5    | 22.    | 11.8   | .04    | 7.4    |
| %RSD      | .31855 | .06949 | .28480 | .03965 | .29892 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2033.4 | 32120. | 4134.8 | 103.83 | 2478.8 |
| #2 | 2042.6 | 32088. | 4151.5 | 103.89 | 2489.3 |

Sample Name: J5594-01A      Acquired: 10/19/2018 16:14:30      Type: Unk  
Method: P4-ICP2(v2514)      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    | .87290   | 1.6365   | .92860 | 2.0839 | .88462 | 2.4365 | .52718 | .22248 |
| Stddev | .00499   | .0002    | .00082 | .0051  | .00281 | .0267  | .00140 | .00101 |
| %RSD   | .57196   | .01391   | .08783 | .24259 | .31805 | 1.0967 | .26491 | .45232 |
| #1     | .86937   | 1.6367   | .92802 | 2.0875 | .88661 | 2.4176 | .52619 | .22319 |
| #2     | .87643   | 1.6363   | .92918 | 2.0804 | .88263 | 2.4554 | .52817 | .22177 |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17930   | 324.56   | .33893 | .18645 | .28584 | 2.3590 | .19138 | 147.55 |
| Stddev | .00018   | .09      | .00266 | .00119 | .00076 | .0132  | .00069 | .25    |
| %RSD   | .10045   | .02622   | .78592 | .63591 | .26685 | .55852 | .35934 | .16838 |
| #1     | .17917   | 324.62   | .34081 | .18561 | .28638 | 2.3497 | .19186 | 147.72 |
| #2     | .17942   | 324.50   | .33704 | .18728 | .28530 | 2.3683 | .19089 | 147.37 |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .43293   | .07475   | 1385.8 | .26537 | .22912 | 66.362 | .44238 | .74888 |
| Stddev | .00070   | .00068   | 5.0    | .00453 | .00142 | .197   | .00067 | .00416 |
| %RSD   | .16228   | .91295   | .35963 | 1.7060 | .61793 | .29740 | .15103 | .55502 |
| #1     | .43244   | .07524   | 1389.3 | .26858 | .23012 | 66.223 | .44285 | .75182 |
| #2     | .43343   | .07427   | 1382.3 | .26217 | .22812 | 66.502 | .44190 | .74594 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 156.73 | F 17.667 | .59987 | .18439 | .26347 | 6.190  | 2.4647 | 11.254 |
| Stddev | .01      | .216     | .00005 | .00145 | .00193 | .012   | .0091  | .035   |
| %RSD   | .00573   | 1.2216   | .00845 | .78873 | .73111 | .2011  | .36716 | .30854 |
| #1     | 156.74   | 17.819   | .59991 | .18541 | .26210 | 6.199  | 2.4583 | 11.229 |
| #2     | 156.73   | 17.514   | .59984 | .18336 | .26483 | 6.181  | 2.4711 | 11.279 |

Sample Name: J5594-01A      Acquired: 10/19/2018 16:14:30      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.2218 |
| Stddev | .1236  |
| %RSD   | 2.9277 |

|    |        |
|----|--------|
| #1 | 4.3092 |
| #2 | 4.1344 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2058.3 | 32368. | 4200.0 | 105.11 | 2506.7 |
| Stddev    | .4     | 69.    | 29.1   | .49    | 6.7    |
| %RSD      | .01907 | .21225 | .69367 | .46937 | .26833 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2058.6 | 32417. | 4179.4 | 104.76 | 2511.5 |
| #2 | 2058.0 | 32319. | 4220.6 | 105.46 | 2502.0 |

Sample Name: J5535-01DLX20      Acquired: 10/19/2018 16:18:26      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BB-DRUM      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |          |        |         |         |
|--------|---------|---------|--------|---------|----------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068   | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm      | ppm    | ppm     | ppm     |
| Avg    | -.00193 | -.00399 | 5.9682 | -.01675 | .01037   | 30.516 | 19.345  | -.00093 |
| Stddev | .00034  | .00041  | .0111  | .00270  | .00126   | .034   | .011    | .00001  |
| %RSD   | 17.558  | 10.255  | .18654 | 16.122  | 12.147   | .11292 | .05580  | 1.0689  |
| #1     | -.00169 | -.00370 | 5.9604 | -.01866 | .01126   | 30.541 | 19.337  | -.00092 |
| #2     | -.00217 | -.00427 | 5.9761 | -.01484 | .00948   | 30.492 | 19.353  | -.00094 |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247   | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm      | ppm    | ppm     | ppm     |
| Avg    | .01404  | 2.4324  | 1.1290 | .06972  | .02611   | 41.440 | .13635  | 3.7566  |
| Stddev | .00008  | .0446   | .0087  | .00023  | .00046   | .341   | .00021  | .0364   |
| %RSD   | .58120  | 1.8324  | .77370 | .33235  | 1.7589   | .82333 | .15120  | .96942  |
| #1     | .01399  | 2.4008  | 1.1229 | .06988  | .02643   | 41.199 | .13621  | 3.7308  |
| #2     | .01410  | 2.4639  | 1.1352 | .06956  | .02578   | 41.682 | .13650  | 3.7823  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138   | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm      | ppm    | ppm     | ppm     |
| Avg    | .00285  | .00106  | 2.3516 | .01050  | F 46.216 | .94617 | -.00671 | 2.4010  |
| Stddev | .00062  | .00015  | .0654  | .00031  | .404     | .02700 | .00038  | .0014   |
| %RSD   | 21.856  | 14.357  | 2.7809 | 2.9783  | .87455   | 2.8535 | 5.5964  | .05996  |
| #1     | .00241  | .00095  | 2.3979 | .01028  | 45.930   | .96526 | -.00644 | 2.4000  |
| #2     | .00330  | .00117  | 2.3054 | .01072  | 46.502   | .92708 | -.00697 | 2.4020  |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707   | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm      | ppm    | ppm     | ppm     |
| Avg    | .90145  | .07210  | .00998 | .62815  | .01064   | .4401  | .04525  | .40796  |
| Stddev | .00153  | .00135  | .00102 | .00129  | .00045   | .0031  | .00011  | .08769  |
| %RSD   | .16974  | 1.8742  | 10.224 | .20515  | 4.2168   | .7129  | .24427  | 21.494  |
| #1     | .90253  | .07115  | .00925 | .62906  | .01033   | .4423  | .04533  | .34596  |
| #2     | .90037  | .07306  | .01070 | .62724  | .01096   | .4379  | .04517  | .46997  |

Sample Name: J5535-01DLX20      Acquired: 10/19/2018 16:18:26      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BB-DRUM      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .51104 |
| Stddev | .20859 |
| %RSD   | 40.816 |

|    |        |
|----|--------|
| #1 | .36354 |
| #2 | .65853 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2330.0 | 38487. | 4591.4 | 113.91 | 3219.5 |
| Stddev    | 11.9   | 55.    | 21.8   | .43    | 14.2   |
| %RSD      | .51017 | .14183 | .47528 | .38063 | .44086 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2321.6 | 38449. | 4606.8 | 114.21 | 3209.5 |
| #2 | 2338.4 | 38526. | 4575.9 | 113.60 | 3229.5 |

Sample Name: J5538-04DLX100      Acquired: 10/19/2018 16:22:43      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NL\_7      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |         |        |         |         |
|--------|--------|--------|---------|---------|---------|--------|---------|---------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00118 | .00183 | -.00100 | -.00181 | -.00139 | .00141 | -.00130 | -.00008 |
| Stddev | .00448 | .00002 | .00023  | .00043  | .00224  | .00305 | .00032  | .00003  |
| %RSD   | 379.77 | 1.1188 | 23.177  | 23.968  | 161.46  | 216.90 | 24.301  | 31.238  |

|    |         |        |         |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|---------|
| #1 | -.00199 | .00182 | -.00116 | -.00150 | .00020  | -.00075 | -.00153 | -.00010 |
| #2 | .00434  | .00185 | -.00083 | -.00211 | -.00297 | .00356  | -.00108 | -.00006 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00000 | .00145 | 1.2829 | -.00003 | .00794 | .03266 | .00065 | .06416 |
| Stddev | .00006  | .00535 | .0075  | .00004  | .00021 | .01223 | .00006 | .03392 |
| %RSD   | 1348.0  | 367.89 | .58672 | 137.54  | 2.6726 | 37.452 | 9.5200 | 52.865 |

|    |         |         |        |         |        |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|--------|
| #1 | -.00005 | -.00233 | 1.2882 | -.00006 | .00779 | .04131 | .00061 | .08815 |
| #2 | .00004  | .00523  | 1.2776 | -.00000 | .00809 | .02401 | .00070 | .04018 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .08581 | .00003 | 2.4770 | .00112 | .00711 | 2.9036 | .00000  | .50943 |
| Stddev | .00025 | .00037 | .0137  | .00038 | .00011 | .0072  | .00027  | .00172 |
| %RSD   | .29459 | 1243.4 | .55252 | 34.395 | 1.5817 | .24612 | 171180. | .33717 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .08598 | .00029  | 2.4867 | .00085 | .00703 | 2.8986 | .00019  | .50821 |
| #2 | .08563 | -.00023 | 2.4673 | .00139 | .00718 | 2.9087 | -.00019 | .51064 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.0667 | .01236 | -.00093 | .00064 | .00227 | .0085  | .00020 | 3.0621 |
| Stddev | .0016  | .00148 | .00139  | .00017 | .00108 | .0024  | .00004 | .1365  |
| %RSD   | .07672 | 11.994 | 149.91  | 26.312 | 47.294 | 28.69  | 20.450 | 4.4571 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 2.0678 | .01131 | -.00191 | .00076 | .00151 | .0068 | .00023 | 2.9656 |
| #2 | 2.0656 | .01341 | .00006  | .00052 | .00303 | .0102 | .00017 | 3.1586 |

Sample Name: J5538-04DLX100      Acquired: 10/19/2018 16:22:43      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NL\_7      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .39005 |
| Stddev | .30434 |
| %RSD   | 78.027 |

|    |        |
|----|--------|
| #1 | .60525 |
| #2 | .17485 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2393.5 | 38920. | 4471.1 | 113.56 | 3368.0 |
| Stddev    | 12.1   | 134.   | 32.7   | .80    | 12.4   |
| %RSD      | .50513 | .34446 | .73209 | .70571 | .36743 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2385.0 | 38825. | 4448.0 | 114.13 | 3359.3 |
| #2 | 2402.1 | 39015. | 4494.2 | 112.99 | 3376.8 |

Sample Name: J5538-05DLX2      Acquired: 10/19/2018 16:26:46      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NL-7      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |         |         |         |
|--------|----------|---------|---------|---------|---------|---------|---------|---------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00144   | .00103  | -.00177 | -.00119 | -.00545 | -.01247 | -.00019 | -.00007 |
| Stddev | .00490   | .00172  | .00172  | .00146  | .00151  | .00158  | .00081  | .00007  |
| %RSD   | 340.13   | 167.18  | 97.286  | 122.58  | 27.725  | 12.703  | 426.30  | 88.282  |
| #1     | .00490   | .00224  | -.00055 | -.00222 | -.00651 | -.01359 | -.00076 | -.00003 |
| #2     | -.00202  | -.00019 | -.00299 | -.00016 | -.00438 | -.01135 | .00038  | -.00012 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00018  | 1.1644  | 1.0003  | .00136  | 2.7825  | .00250  | .00042  | .04441  |
| Stddev | .00007   | .0015   | .0044   | .00006  | .0045   | .00000  | .00006  | .00560  |
| %RSD   | 38.490   | .12855  | .43772  | 4.2260  | .16187  | .14628  | 13.508  | 12.599  |
| #1     | -.00022  | 1.1634  | 1.0034  | .00141  | 2.7857  | .00250  | .00046  | .04046  |
| #2     | -.00013  | 1.1655  | .99717  | .00132  | 2.7793  | .00251  | .00038  | .04837  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 1.2139   | -.00035 | 79.127  | .00099  | .00496  | 31.342  | .01387  | 3.9127  |
| Stddev | .0004    | .00062  | .107    | .00010  | .00036  | .019    | .00038  | .0065   |
| %RSD   | .03379   | 176.69  | .13555  | 9.7988  | 7.1630  | .06031  | 2.7436  | .16618  |
| #1     | 1.2142   | -.00079 | 79.051  | .00092  | .00471  | 31.355  | .01414  | 3.9081  |
| #2     | 1.2136   | .00009  | 79.202  | .00106  | .00521  | 31.328  | .01360  | 3.9172  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | F 21.228 | .03206  | -.00884 | .00264  | .00008  | .1210   | .00270  | 3.3492  |
| Stddev | .061     | .00191  | .00004  | .00002  | .00205  | .0028   | .00011  | .0122   |
| %RSD   | .28605   | 5.9594  | .43547  | .57500  | 2425.6  | 2.283   | 4.1851  | .36462  |
| #1     | 21.271   | .03341  | -.00882 | .00266  | -.00136 | .1190   | .00262  | 3.3579  |
| #2     | 21.185   | .03071  | -.00887 | .00263  | .00153  | .1229   | .00278  | 3.3406  |

Sample Name: J5538-05DLX2      Acquired: 10/19/2018 16:26:46      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: NL-7      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .75712 |
| Stddev | .76126 |
| %RSD   | 100.55 |

|    |        |
|----|--------|
| #1 | .21883 |
| #2 | 1.2954 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2347.1 | 37699. | 4433.8 | 110.41 | 3175.4 |
| Stddev    | 5.3    | 269.   | .2     | 1.14   | 7.8    |
| %RSD      | .22520 | .71403 | .00513 | 1.0364 | .24705 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2343.4 | 37509. | 4433.9 | 111.22 | 3169.9 |
| #2 | 2350.9 | 37889. | 4433.6 | 109.60 | 3181.0 |

Sample Name: J5538-07DLX10      Acquired: 10/19/2018 16:30:48      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OXL01      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00821 | -.00195 | .02700 | .00182 | .01113 | .05738 | .00011 |
| Stddev | .00498 | .00042  | .00158 | .00213 | .00422 | .00165 | .00021 |
| %RSD   | 60.622 | 21.706  | 5.8708 | 116.83 | 37.876 | 2.8761 | 184.96 |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | .01173 | -.00225 | .02588 | .00032 | .00815 | .05855 | .00026  |
| #2 | .00469 | -.00165 | .02812 | .00333 | .01412 | .05622 | -.00003 |

|        |         |        |        |          |        |        |        |
|--------|---------|--------|--------|----------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | -.00058 | .00041 | .06029 | F 39.259 | .00239 | .86720 | .82265 |
| Stddev | .00013  | .00004 | .01894 | .048     | .00014 | .00078 | .01653 |
| %RSD   | 21.769  | 10.280 | 31.414 | .12296   | 5.7346 | .08992 | 2.0099 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00067 | .00038 | .04690 | 39.293 | .00248 | .86775 | .81096 |
| #2 | -.00049 | .00044 | .07368 | 39.225 | .00229 | .86665 | .83434 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00739 | .09354 | 1.1453 | -.00176 | 15.439 | .03821 | .80286 |
| Stddev | .00008 | .03010 | .0009  | .00021  | .093   | .00058 | .01569 |
| %RSD   | 1.1065 | 32.175 | .08107 | 11.708  | .60289 | 1.5224 | 1.9538 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00744 | .11483 | 1.1459 | -.00190 | 15.373 | .03780 | .79177 |
| #2 | .00733 | .07226 | 1.1446 | -.00161 | 15.504 | .03863 | .81395 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.3524 | .00180 | 1.9533 | 7.6490 | .04933 | .03083 | .03242 |
| Stddev | .0332  | .00031 | .0285  | .0081  | .00136 | .00076 | .00053 |
| %RSD   | .35481 | 17.091 | 1.4578 | .10574 | 2.7603 | 2.4805 | 1.6441 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.3290 | .00202 | 1.9734 | 7.6547 | .05029 | .03029 | .03204 |
| #2 | 9.3759 | .00158 | 1.9331 | 7.6433 | .04837 | .03137 | .03280 |

Sample Name: J5538-07DLX10      Acquired: 10/19/2018 16:30:48      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OXL01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00132 | .0334  | .02388 | 2.9155 | F<.00000 |
| Stddev | .00102 | .0019  | .00012 | .2193  | .25509   |
| %RSD   | 77.416 | 5.805  | .49815 | 7.5227 | 18.326   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00204 | .0348 | .02380 | 2.7604 | -1.5723 |
| #2 | .00060 | .0321 | .02397 | 3.0706 | -1.2116 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2307.0 | 38263. | 4391.9 | 112.23 | 3273.9 |
| Stddev    | 4.4    | 180.   | 34.5   | 1.92   | 11.4   |
| %RSD      | .19007 | .47049 | .78489 | 1.7127 | .34734 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2303.9 | 38135. | 4416.3 | 113.59 | 3265.8 |
| #2 | 2310.1 | 38390. | 4367.5 | 110.87 | 3281.9 |

Sample Name: J5538-08DLX10      Acquired: 10/19/2018 16:39:00      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AOXL      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |         |         |        |         |         |
|--------|----------|--------|--------|---------|---------|--------|---------|---------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm      | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00183  | .00126 | .04541 | -.00443 | -.00654 | .21229 | -.00058 | -.00019 |
| Stddev | .00415   | .00032 | .00136 | .00110  | .00002  | .00903 | .00093  | .00000  |
| %RSD   | 226.26   | 25.415 | 2.9889 | 24.905  | .26865  | 4.2545 | 161.04  | .02469  |
| #1     | -.00477  | .00104 | .04637 | -.00521 | -.00655 | .20590 | -.00124 | -.00019 |
| #2     | .00110   | .00149 | .04445 | -.00365 | -.00653 | .21867 | .00008  | -.00019 |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm      | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .03113   | .07921 | 1.3804 | .00525  | 2.6741  | 8.6458 | .04336  | .04646  |
| Stddev | .00002   | .04075 | .0004  | .00018  | .0009   | .0381  | .00038  | .00979  |
| %RSD   | .04977   | 51.450 | .03005 | 3.4046  | .03514  | .44115 | .86892  | 21.069  |
| #1     | .03114   | .10802 | 1.3801 | .00538  | 2.6747  | 8.6728 | .04310  | .05338  |
| #2     | .03112   | .05039 | 1.3807 | .00513  | 2.6734  | 8.6189 | .04363  | .03954  |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm      | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | 7.2361   | .00050 | 1.7957 | .00158  | 1.0510  | .69363 | .00079  | 1.1780  |
| Stddev | .0005    | .00002 | .0178  | .00003  | .0100   | .02977 | .00019  | .0115   |
| %RSD   | .00716   | 3.4930 | .99116 | 2.1315  | .94723  | 4.2913 | 24.522  | .97502  |
| #1     | 7.2365   | .00048 | 1.7831 | .00156  | 1.0580  | .71467 | .00092  | 1.1699  |
| #2     | 7.2358   | .00051 | 1.8083 | .00161  | 1.0440  | .67258 | .00065  | 1.1862  |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm      | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | F 11.362 | .00413 | .03297 | .01127  | .00006  | .1268  | .00097  | 2.4943  |
| Stddev | .000     | .00225 | .00197 | .00146  | .00118  | .0006  | .00003  | .2059   |
| %RSD   | .00386   | 54.418 | 5.9895 | 12.934  | 1965.6  | .4879  | 2.9135  | 8.2537  |
| #1     | 11.361   | .00572 | .03157 | .01230  | -.00077 | .1272  | .00095  | 2.6398  |
| #2     | 11.362   | .00254 | .03437 | .01024  | .00089  | .1264  | .00099  | 2.3487  |

Sample Name: J5538-08DLX10      Acquired: 10/19/2018 16:39:00      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AOXL      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.1003 |
| Stddev | .1703  |
| %RSD   | 8.1075 |

|    |        |
|----|--------|
| #1 | 1.9799 |
| #2 | 2.2207 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2417.9 | 39226. | 4465.5 | 112.81 | 3378.8 |
| Stddev    | 6.3    | 25.    | .6     | 1.28   | 8.3    |
| %RSD      | .25853 | .06321 | .01382 | 1.1387 | .24490 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2413.5 | 39244. | 4465.1 | 111.90 | 3373.0 |
| #2 | 2422.4 | 39209. | 4465.9 | 113.72 | 3384.7 |

Sample Name: J5538-09DLX5      Acquired: 10/19/2018 16:42:59      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AL01      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |        |         |         |        |         |
|--------|----------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00071  | .00204  | .01083 | .00176 | -.00817 | .36638  | .00091 | .00000  |
| Stddev | .00150   | .00008  | .00097 | .00021 | .00016  | .01875  | .00059 | .00001  |
| %RSD   | 212.87   | 3.7593  | 8.9664 | 12.138 | 1.9840  | 5.1177  | 64.850 | 696.62  |
| #1     | .00036   | .00209  | .01151 | .00191 | -.00806 | .35312  | .00132 | -.00001 |
| #2     | -.00177  | .00198  | .01014 | .00161 | -.00829 | .37964  | .00049 | .00001  |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .01005   | .11385  | .48358 | .01604 | 2.7178  | 5.3884  | .08332 | .05416  |
| Stddev | .00006   | .00774  | .00584 | .00034 | .0045   | .0336   | .00079 | .02722  |
| %RSD   | .59382   | 6.7979  | 1.2084 | 2.0898 | .16514  | .62332  | .94592 | 50.260  |
| #1     | .01009   | .10838  | .47944 | .01580 | 2.7210  | 5.3647  | .08276 | .07341  |
| #2     | .01000   | .11932  | .48771 | .01628 | 2.7147  | 5.4122  | .08387 | .03492  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664  | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | 8.6838   | -.00016 | 12.616 | .00164 | 6.0859  | 2.6274  | .00861 | .50292  |
| Stddev | .0151    | .00106  | .143   | .00029 | .0005   | .0118   | .00031 | .00644  |
| %RSD   | .17383   | 670.43  | 1.1334 | 18.021 | .00839  | .44856  | 3.6158 | 1.2814  |
| #1     | 8.6944   | .00059  | 12.717 | .00143 | 6.0863  | 2.6191  | .00839 | .50747  |
| #2     | 8.6731   | -.00091 | 12.515 | .00185 | 6.0855  | 2.6357  | .00883 | .49836  |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361 | Li6707  | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | F 67.799 | .05212  | .05316 | .00930 | .00104  | F 16.24 | .00046 | 2.3614  |
| Stddev | .059     | .00568  | .00054 | .00167 | .00051  | .03     | .00005 | .1744   |
| %RSD   | .08719   | 10.902  | 1.0237 | 17.964 | 49.211  | .1904   | 10.001 | 7.3858  |
| #1     | 67.841   | .05614  | .05354 | .00812 | .00140  | 16.26   | .00049 | 2.4847  |
| #2     | 67.757   | .04810  | .05277 | .01049 | .00068  | 16.22   | .00042 | 2.2381  |

Sample Name: J5538-09DLX5      Acquired: 10/19/2018 16:42:59      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AL01      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .94245 |
| Stddev | .15062 |
| %RSD   | 15.982 |

|    |        |
|----|--------|
| #1 | 1.0490 |
| #2 | .83594 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2416.3 | 38943. | 4497.6 | 114.38 | 3349.4 |
| Stddev    | 11.8   | 11.    | 35.3   | .41    | 18.6   |
| %RSD      | .48983 | .02926 | .78588 | .35545 | .55394 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2407.9 | 38951. | 4472.6 | 114.09 | 3336.3 |
| #2 | 2424.7 | 38935. | 4522.6 | 114.67 | 3362.5 |

Sample Name: J5538-07DL2X200      Acquired: 10/19/2018 16:46:59      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OXL01      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |         |         |        |         |        |
|--------|---------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00067 | .00022 | -.00075 | -.00336 | -.00224 | .00182 | -.00100 | .00002 |
| Stddev | .00031  | .00020 | .00082  | .00083  | .00086  | .01600 | .00002  | .00001 |
| %RSD   | 46.071  | 94.548 | 109.89  | 24.627  | 38.201  | 877.54 | 1.5397  | 28.095 |

|    |         |        |         |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|---------|--------|
| #1 | -.00089 | .00007 | -.00017 | -.00278 | -.00163 | .01314  | -.00101 | .00003 |
| #2 | -.00045 | .00036 | -.00133 | -.00395 | -.00284 | -.00949 | -.00099 | .00002 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00003 | -.01479 | 1.8841 | -.00022 | .04036 | .04081 | .00046 | .04059 |
| Stddev | .00003 | .01184  | .0102  | .00014  | .00001 | .00560 | .00005 | .02313 |
| %RSD   | 83.347 | 80.079  | .53928 | 61.543  | .02098 | 13.710 | 10.410 | 56.983 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00001 | -.00642 | 1.8769 | -.00012 | .04037 | .03686 | .00049 | .05695 |
| #2 | .00005 | -.02316 | 1.8912 | -.00032 | .04036 | .04477 | .00043 | .02424 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .05512 | -.00024 | .69293 | .00153 | .03798 | .54140 | -.00018 | .09367 |
| Stddev | .00033 | .00005  | .00190 | .00051 | .00067 | .02075 | .00002  | .00582 |
| %RSD   | .60457 | 21.571  | .27405 | 33.153 | 1.7571 | 3.8328 | 10.128  | 6.2183 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .05535 | -.00021 | .69158 | .00117 | .03751 | .55608 | -.00017 | .08955 |
| #2 | .05488 | -.00028 | .69427 | .00188 | .03845 | .52673 | -.00019 | .09779 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .34693 | .00613 | -.00008 | .00330 | -.00068 | .0023  | .00115 | 2.7720 |
| Stddev | .00209 | .00022 | .00064  | .00013 | .00143  | .0002  | .00001 | .1273  |
| %RSD   | .60189 | 3.6344 | 793.75  | 3.7964 | 211.47  | 8.696  | 1.1116 | 4.5943 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | .34840 | .00629 | -.00053 | .00321 | -.00169 | .0022 | .00114 | 2.8620 |
| #2 | .34545 | .00597 | .00037  | .00339 | .00033  | .0025 | .00116 | 2.6819 |

Sample Name: J5538-07DL2X200      Acquired: 10/19/2018 16:46:59      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OXL01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .28759  
Stddev      .25499  
%RSD      88.663

#1      .46789  
#2      .10729

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2407.8 | 39157. | 4473.1 | 112.13 | 3380.9 |
| Stddev    | 1.8    | 98.    | 31.5   | 1.73   | 1.3    |
| %RSD      | .07442 | .25105 | .70389 | 1.5398 | .03926 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2409.1 | 39088. | 4495.3 | 113.35 | 3381.8 |
| #2 | 2406.6 | 39227. | 4450.8 | 110.91 | 3379.9 |

Sample Name: CCV06      Acquired: 10/19/2018 16:51:04      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.2201 | 4.6762 | 4.7641 | 5.1161 | 5.3738 | 10.736 | 10.075 | .24715 |
| Stddev | .0038  | .0059  | .0025  | .0282  | .0140  | .027   | .079   | .00072 |
| %RSD   | .07356 | .12537 | .05211 | .55132 | .26118 | .25040 | .77979 | .29218 |
| #1     | 5.2174 | 4.6721 | 4.7659 | 5.1361 | 5.3837 | 10.717 | 10.019 | .24664 |
| #2     | 5.2228 | 4.6804 | 4.7624 | 5.0962 | 5.3639 | 10.755 | 10.130 | .24766 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.2574 | 27.162 | .92177 | 2.3410 | 1.2925 | 4.8738 | 2.4476 | 23.982 |
| Stddev | .0013  | .136   | .00052 | .0018  | .0005  | .0641  | .0059  | .134   |
| %RSD   | .05605 | .49900 | .05606 | .07487 | .04060 | 1.3159 | .24039 | .56051 |
| #1     | 2.2565 | 27.066 | .92141 | 2.3398 | 1.2928 | 4.9191 | 2.4435 | 23.887 |
| #2     | 2.2583 | 27.258 | .92214 | 2.3422 | 1.2921 | 4.8284 | 2.4518 | 24.077 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4279 | 1.2239 | 23.129 | 2.3892 | 2.3391 | 25.177 | 5.3075 | 4.7259 |
| Stddev | .0036  | .0026  | .192   | .0048  | .0300  | .234   | .0126  | .0090  |
| %RSD   | .15003 | .21108 | .83178 | .20096 | 1.2824 | .92883 | .23680 | .19007 |
| #1     | 2.4254 | 1.2221 | 22.993 | 2.3858 | 2.3603 | 25.012 | 5.3163 | 4.7196 |
| #2     | 2.4305 | 1.2257 | 23.265 | 2.3926 | 2.3179 | 25.343 | 5.2986 | 4.7323 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8719 | 4.9344 | 4.5823 | 4.8420 | 5.0195 | 4.538  | 4.7801 | 4.5664 |
| Stddev | .0079  | .0463  | .0087  | .0064  | .0333  | .015   | .0382  | .0613  |
| %RSD   | .16228 | .93811 | .19048 | .13146 | .66314 | .3253  | .80029 | 1.3426 |
| #1     | 4.8775 | 4.9017 | 4.5762 | 4.8375 | 4.9960 | 4.528  | 4.7531 | 4.6098 |
| #2     | 4.8663 | 4.9671 | 4.5885 | 4.8465 | 5.0431 | 4.548  | 4.8072 | 4.5231 |

Sample Name: CCV06      Acquired: 10/19/2018 16:51:04      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.1471  
Stddev      .2770  
%RSD      12.901

#1      2.3430  
#2      1.9513

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2310.1 | 37259. | 4397.8 | 108.22 | 3045.8 |
| Stddev    | 6.7    | 5.     | 18.3   | 1.52   | 1.3    |
| %RSD      | .28859 | .01443 | .41639 | 1.4081 | .04395 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2305.4 | 37263. | 4410.8 | 107.14 | 3044.8 |
| #2 | 2314.8 | 37256. | 4384.9 | 109.29 | 3046.7 |

Sample Name: CCB06      Acquired: 10/19/2018 16:54:49      Type: Unk  
Method: P4-ICP2(v2514)      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    | -.00156 | .00158 | -.00196 | .00031 | -.00161 | -.01523 | -.00129 |
| Stddev | .00208  | .00042 | .00144  | .00301 | .00153  | .01126  | .00071  |
| %RSD   | 133.33  | 26.877 | 73.636  | 961.41 | 94.663  | 73.941  | 54.776  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00303 | .00128 | -.00297 | .00244  | -.00269 | -.00727 | -.00179 |
| #2 | -.00009 | .00188 | -.00094 | -.00182 | -.00053 | -.02319 | -.00079 |

|        |        |        |         |         |         |        |        |
|--------|--------|--------|---------|---------|---------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00001 | .00003 | -.02288 | -.00009 | -.00020 | .00018 | .00219 |
| Stddev | .00002 | .00008 | .00335  | .00025  | .00029  | .00011 | .00627 |
| %RSD   | 171.71 | 291.84 | 14.653  | 278.79  | 143.24  | 57.963 | 286.58 |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00000 | .00009  | -.02525 | -.00026 | .00000  | .00026 | -.00225 |
| #2 | .00002  | -.00003 | -.02051 | .00009  | -.00041 | .00011 | .00662  |

|        |        |        |        |         |         |        |         |
|--------|--------|--------|--------|---------|---------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00002 | .02173 | .00152 | -.00014 | -.05384 | .00015 | -.00043 |
| Stddev | .00004 | .03009 | .00001 | .00004  | .00244  | .00042 | .00002  |
| %RSD   | 199.07 | 138.46 | .44414 | 30.561  | 4.5404  | 288.98 | 4.6823  |

|    |         |        |        |         |         |         |         |
|----|---------|--------|--------|---------|---------|---------|---------|
| #1 | .00004  | .00045 | .00151 | -.00011 | -.05211 | -.00015 | -.00042 |
| #2 | -.00001 | .04301 | .00152 | -.00017 | -.05556 | .00045  | -.00045 |

|        |        |        |         |         |        |         |        |
|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .06011 | .00038 | -.00089 | -.00457 | .00097 | -.00069 | .00019 |
| Stddev | .03441 | .00008 | .00408  | .00158  | .00179 | .00084  | .00221 |
| %RSD   | 57.237 | 20.899 | 460.33  | 34.551  | 183.80 | 121.75  | 1181.9 |

|    |        |        |         |         |         |         |         |
|----|--------|--------|---------|---------|---------|---------|---------|
| #1 | .03578 | .00044 | .00200  | -.00569 | -.00029 | -.00010 | .00175  |
| #2 | .08444 | .00033 | -.00377 | -.00345 | .00224  | -.00128 | -.00138 |

Sample Name: CCB06      Acquired: 10/19/2018 16:54:49      Type: Unk  
Method: P4-ICP2(v2514)      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    | -.00209 | -.0020 | .00014 | F 2.5928 | F<.00000 |
| Stddev | .00081  | .0014  | .00001 | .2219    | .08002   |
| %RSD   | 38.957  | 67.81  | 5.3742 | 8.5598   | 73.262   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.00266 | -.0010 | .00013 | 2.4358 | -.05264 |
| #2 | -.00151 | -.0030 | .00015 | 2.7497 | -.16581 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2431.3 | 39959. | 4521.9 | 113.83 | 3416.6 |
| Stddev    | 16.4   | 136.   | 1.1    | 3.45   | 16.1   |
| %RSD      | .67290 | .34136 | .02381 | 3.0334 | .47058 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2419.7 | 39862. | 4522.7 | 111.39 | 3405.2 |
| #2 | 2442.9 | 40055. | 4521.1 | 116.28 | 3428.0 |

Sample Name: J5535-01DL2X80      Acquired: 10/19/2018 17:07:21      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BB-DRUM      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |        |         |
|--------|---------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00284 | -.00153 | 1.5146 | -.00441 | .00081 | 7.7036 | 5.0346 | -.00019 |
| Stddev | .00432  | .00038  | .0030  | .00442  | .00111 | .0884  | .0093  | .00005  |
| %RSD   | 152.17  | 24.582  | .19617 | 100.21  | 137.81 | 1.1471 | .18391 | 24.991  |

|    |         |         |        |         |        |        |        |         |
|----|---------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00022  | -.00179 | 1.5167 | -.00128 | .00002 | 7.7661 | 5.0281 | -.00022 |
| #2 | -.00590 | -.00126 | 1.5125 | -.00753 | .00160 | 7.6412 | 5.0412 | -.00016 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00328 | .62207 | .28921 | .01759 | .00630 | 11.182 | .03484 | 1.0187 |
| Stddev | .00007 | .03389 | .00327 | .00017 | .00025 | .023   | .00014 | .0141  |
| %RSD   | 2.0186 | 5.4485 | 1.1324 | .96353 | 3.9786 | .20553 | .40936 | 1.3843 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00323 | .59810 | .29153 | .01747 | .00647 | 11.165 | .03494 | 1.0087 |
| #2 | .00332 | .64604 | .28690 | .01771 | .00612 | 11.198 | .03474 | 1.0286 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00240 | .00025 | .26522 | .00234 | 28.028 | .14625 | -.00367 | .61949 |
| Stddev | .00011 | .00010 | .00470 | .00029 | .012   | .01958 | .00005  | .01604 |
| %RSD   | 4.5978 | 39.717 | 1.7703 | 12.467 | .04216 | 13.389 | 1.3397  | 2.5887 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00232 | .00032 | .26190 | .00213 | 28.020 | .16010 | -.00371 | .60815 |
| #2 | .00248 | .00018 | .26854 | .00254 | 28.037 | .13240 | -.00364 | .63083 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20679 | .02079 | .00305 | .16379 | .00013 | .1041  | .01165 | 2.0457 |
| Stddev | .00313 | .00249 | .00069 | .00072 | .00011 | .0003  | .00003 | .1214  |
| %RSD   | 1.5156 | 11.973 | 22.584 | .44027 | 89.637 | .2470  | .26872 | 5.9351 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .20458 | .02255 | .00256 | .16328 | .00005 | .1039 | .01168 | 2.1316 |
| #2 | .20901 | .01903 | .00353 | .16430 | .00021 | .1043 | .01163 | 1.9599 |

Sample Name: J5535-01DL2X80      Acquired: 10/19/2018 17:07:21      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: BB-DRUM      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.5542  
 Stddev      .0465  
 %RSD      2.9942

#1      1.5213  
 #2      1.5871

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2358.8 | 39247. | 4560.2 | 111.85 | 3327.7 |
| Stddev    | 11.5   | 708.   | 14.0   | .50    | 16.5   |
| %RSD      | .48634 | 1.8050 | .30772 | .44296 | .49647 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2350.6 | 38746. | 4570.1 | 111.50 | 3316.0 |
| #2 | 2366.9 | 39748. | 4550.3 | 112.20 | 3339.3 |

Sample Name: PB113885BL      Acquired: 10/19/2018 17:11:22      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00029  | .00179  | -.00133 | -.00060 | -.00243 | -.00781 | -.00139 | -.00005  |
| Stddev | .00083  | .00059  | .00040  | .00364  | .00149  | .01425  | .00026  | .00002   |
| %RSD   | 283.57  | 33.227  | 30.324  | 607.56  | 61.198  | 182.58  | 18.618  | 41.199   |
| #1     | -.00029 | .00137  | -.00161 | -.00318 | -.00138 | .00227  | -.00157 | -.00006  |
| #2     | .00088  | .00221  | -.00104 | .00198  | -.00349 | -.01788 | -.00121 | -.00004  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004  | -.01282 | .00010  | -.00010 | -.00005 | .00004  | -.00002 | .06529   |
| Stddev | .00005  | .00343  | .00009  | .00003  | .00013  | .01766  | .00003  | .02876   |
| %RSD   | 115.19  | 26.748  | 88.541  | 29.205  | 277.59  | 44955.  | 153.65  | 44.041   |
| #1     | .00001  | -.01524 | .00004  | -.00008 | .00005  | .01253  | .00000  | .08563   |
| #2     | .00008  | -.01039 | .00017  | -.00012 | -.00014 | -.01245 | -.00004 | .04496   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00171  | .00015  | -.07402 | .00001  | -.00007 | .06461  | -.00017 | -.00202  |
| Stddev | .00019  | .00007  | .00164  | .00046  | .00010  | .01501  | .00000  | .00673   |
| %RSD   | 10.867  | 51.060  | 2.2153  | 4373.5  | 141.21  | 23.237  | .07852  | 332.55   |
| #1     | .00184  | .00009  | -.07286 | -.00031 | -.00014 | .07523  | -.00017 | -.00678  |
| #2     | .00158  | .00020  | -.07518 | .00033  | -.00000 | .05399  | -.00017 | .00274   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00260 | -.00033 | -.00159 | .00249  | -.00038 | -.0018  | .00012  | F 2.4603 |
| Stddev | .00276  | .00032  | .00009  | .00033  | .00013  | .0007   | .00005  | .0778    |
| %RSD   | 105.95  | 96.883  | 5.6700  | 13.160  | 34.860  | 38.90   | 40.657  | 3.1620   |
| #1     | -.00065 | -.00056 | -.00153 | .00226  | -.00028 | -.0013  | .00008  | 2.5153   |
| #2     | -.00455 | -.00010 | -.00165 | .00272  | -.00047 | -.0024  | .00015  | 2.4053   |

Sample Name: PB113885BL      Acquired: 10/19/2018 17:11:22      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .14228 |
| Stddev | .07734   |
| %RSD   | 54.357   |

|    |        |
|----|--------|
| #1 | .08759 |
| #2 | .19696 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2426.7 | 39673. | 4497.1 | 110.83 | 3420.0 |
| Stddev    | 4.1    | 144.   | 2.4    | .55    | 6.8    |
| %RSD      | .16928 | .36339 | .05353 | .49980 | .19969 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2423.8 | 39571. | 4495.4 | 110.43 | 3415.1 |
| #2 | 2429.7 | 39774. | 4498.8 | 111.22 | 3424.8 |

Sample Name: J5511-10      Acquired: 10/19/2018 17:20:20      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00193 | .00032 | -.00032 | -.00172 | -.00370 | .01507 | .01279 | .00009 |
| Stddev | .00042 | .00335 | .00013  | .00004  | .00041  | .00081 | .00021 | .00007 |
| %RSD   | 21.661 | 1055.7 | 39.718  | 2.0915  | 11.042  | 5.3646 | 1.6385 | 77.980 |

|    |        |         |         |         |         |        |        |        |
|----|--------|---------|---------|---------|---------|--------|--------|--------|
| #1 | .00164 | -.00205 | -.00041 | -.00169 | -.00341 | .01450 | .01264 | .00004 |
| #2 | .00223 | .00268  | -.00023 | -.00174 | -.00399 | .01564 | .01293 | .00014 |

|        |         |        |        |         |        |         |        |        |
|--------|---------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00006 | 33.527 | .00002 | -.00020 | .00184 | -.00888 | .00097 | 28.947 |
| Stddev | .00010  | .104   | .00010 | .00002  | .00006 | .01851  | .00008 | .011   |
| %RSD   | 170.54  | .30919 | 545.91 | 8.0977  | 3.0844 | 208.59  | 7.8927 | .03698 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00012 | 33.454 | .00008  | -.00019 | .00180 | .00422  | .00103 | 28.954 |
| #2 | .00001  | 33.600 | -.00005 | -.00021 | .00188 | -.02197 | .00092 | 28.939 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00051 | .00012 | 214.05 | .00045 | .00013 | 10.149 | .00033 | .09703 |
| Stddev | .00024 | .00017 | .23    | .00016 | .00011 | .018   | .00050 | .01718 |
| %RSD   | 47.670 | 139.87 | .10741 | 34.989 | 78.577 | .17962 | 152.63 | 17.710 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00034 | .00000 | 214.21 | .00034 | .00006 | 10.136 | -.00003 | .10918 |
| #2 | .00068 | .00025 | 213.88 | .00056 | .00021 | 10.162 | .00068  | .08488 |

|        |          |        |         |        |        |        |        |        |
|--------|----------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 20.878 | 1.2080 | -.00796 | .00098 | .00259 | .0680  | .24401 | 4.2996 |
| Stddev | .081     | .0032  | .00003  | .00049 | .00126 | .0007  | .00170 | .1958  |
| %RSD   | .38944   | .26914 | .37081  | 49.969 | 48.836 | 1.065  | .69760 | 4.5547 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 20.936 | 1.2057 | -.00794 | .00132 | .00169 | .0685 | .24521 | 4.4381 |
| #2 | 20.821 | 1.2103 | -.00798 | .00063 | .00348 | .0675 | .24280 | 4.1611 |

Sample Name: J5511-10      Acquired: 10/19/2018 17:20:20      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.7900  
Stddev      .3186  
%RSD      17.799

#1      2.0153  
#2      1.5647

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2370.7 | 37743. | 4457.9 | 111.52 | 3123.7 |
| Stddev    | .5     | 132.   | 7.0    | 1.46   | .2     |
| %RSD      | .02014 | .34969 | .15752 | 1.3064 | .00635 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2371.0 | 37836. | 4462.9 | 112.55 | 3123.8 |
| #2 | 2370.3 | 37650. | 4453.0 | 110.49 | 3123.5 |

Sample Name: PB113885TB      Acquired: 10/19/2018 17:24:30      Type: Unk  
Method: P4-ICP2(v2514)      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    | -.00225 | -.00096 | -.00063  | .00061  | -.00088 | -.00532 | -.00253 | -.00008  |
| Stddev | .00415  | .00082  | .00042   | .00226  | .00086  | .00600  | .00007  | .00001   |
| %RSD   | 184.54  | 85.512  | 67.068   | 369.10  | 98.148  | 112.75  | 2.7319  | 9.7591   |
| #1     | -.00518 | -.00153 | -.00033  | -.00099 | -.00027 | -.00956 | -.00249 | -.00009  |
| #2     | .00069  | -.00038 | -.00093  | .00221  | -.00148 | -.00108 | -.00258 | -.00008  |
| Elem   | Cd2265  | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00008 | -.00353 | .00101   | -.00032 | -.00016 | -.00101 | .00024  | .01489   |
| Stddev | .00004  | .00479  | .00033   | .00000  | .00049  | .00081  | .00004  | .00777   |
| %RSD   | 53.369  | 135.77  | 32.770   | 1.3176  | 301.51  | 80.437  | 15.465  | 52.156   |
| #1     | -.00005 | -.00014 | .00124   | -.00032 | .00018  | -.00158 | .00021  | .02038   |
| #2     | -.00011 | -.00691 | .00077   | -.00032 | -.00051 | -.00043 | .00026  | .00940   |
| Elem   | Ni2316  | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00365  | .00124  | F 325.70 | -.00040 | .00204  | .15375  | .00006  | -.00431  |
| Stddev | .00048  | .00031  | 4.49     | .00043  | .00009  | .00426  | .00006  | .00143   |
| %RSD   | 13.044  | 24.890  | 1.3799   | 105.34  | 4.2459  | 2.7683  | 89.748  | 33.258   |
| #1     | .00332  | .00146  | 322.52   | -.00010 | .00210  | .15074  | .00002  | -.00330  |
| #2     | .00399  | .00102  | 328.88   | -.00071 | .00197  | .15676  | .00010  | -.00533  |
| Elem   | S_1820  | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00692  | .00650  | .00023   | .00205  | .00031  | -.0012  | .00021  | F 4.3697 |
| Stddev | .00176  | .00440  | .00096   | .00115  | .00056  | .0019   | .00011  | .0512    |
| %RSD   | 25.392  | 67.701  | 423.42   | 55.861  | 182.01  | 162.6   | 53.516  | 1.1707   |
| #1     | .00568  | .00339  | -.00045  | .00124  | -.00009 | -.0026  | .00013  | 4.3335   |
| #2     | .00816  | .00961  | .00091   | .00286  | .00070  | .0002   | .00029  | 4.4059   |

Sample Name: PB113885TB      Acquired: 10/19/2018 17:24:30      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.1296  
Stddev      .3420  
%RSD      30.278

#1      .88775  
#2      1.3714

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2203.9 | 35493. | 4461.4 | 110.01 | 2937.8 |
| Stddev    | 14.8   | 102.   | 64.7   | 1.41   | 29.1   |
| %RSD      | .66952 | .28606 | 1.4497 | 1.2856 | .99097 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2193.5 | 35421. | 4507.1 | 109.01 | 2917.2 |
| #2 | 2214.3 | 35565. | 4415.6 | 111.01 | 2958.4 |

Sample Name: PB113935BL      Acquired: 10/19/2018 17:28:40      Type: Unk  
Method: P4-ICP2(v2514)      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    | -.00183 | .00065  | -.00200 | -.00494 | -.00160 | -.00113 | -.00058 | -.00006  |
| Stddev | .00175  | .00050  | .00006  | .00105  | .00184  | .00029  | .00049  | .00001   |
| %RSD   | 95.218  | 77.518  | 3.1329  | 21.180  | 114.91  | 25.302  | 84.236  | 13.690   |
| #1     | -.00307 | .00029  | -.00196 | -.00420 | -.00291 | -.00133 | -.00093 | -.00007  |
| #2     | -.00060 | .00100  | -.00205 | -.00568 | -.00030 | -.00093 | -.00023 | -.00006  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00000 | -.01292 | .00007  | -.00005 | .00017  | -.00882 | .00004  | .01484   |
| Stddev | .00002  | .00777  | .00023  | .00030  | .00013  | .00481  | .00006  | .01607   |
| %RSD   | 379.81  | 60.179  | 333.97  | 648.99  | 74.917  | 54.553  | 166.55  | 108.29   |
| #1     | .00001  | -.00742 | -.00009 | .00017  | .00026  | -.00542 | -.00001 | .00348   |
| #2     | -.00002 | -.01842 | .00023  | -.00026 | .00008  | -.01223 | .00008  | .02620   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00180  | -.00037 | .01099  | -.00044 | -.00042 | .09437  | -.00042 | -.00534  |
| Stddev | .00056  | .00002  | .00644  | .00017  | .00004  | .02369  | .00006  | .00158   |
| %RSD   | 30.834  | 6.4313  | 58.627  | 39.661  | 10.104  | 25.102  | 14.522  | 29.644   |
| #1     | .00141  | -.00036 | .01555  | -.00032 | -.00039 | .07762  | -.00038 | -.00646  |
| #2     | .00220  | -.00039 | .00643  | -.00056 | -.00045 | .11112  | -.00047 | -.00422  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00158 | .00286  | -.00168 | .00316  | .00072  | -.0003  | .00010  | F 2.9408 |
| Stddev | .00378  | .00142  | .00092  | .00056  | .00004  | .0004   | .00007  | .1903    |
| %RSD   | 239.48  | 49.424  | 54.708  | 17.820  | 5.7570  | 157.9   | 71.700  | 6.4715   |
| #1     | .00110  | .00186  | -.00103 | .00276  | .00075  | .0000   | .00014  | 3.0754   |
| #2     | -.00425 | .00387  | -.00232 | .00356  | .00069  | -.0006  | .00005  | 2.8063   |

Sample Name: PB113935BL      Acquired: 10/19/2018 17:28:40      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .18818 |
| Stddev | .04138   |
| %RSD   | 21.987   |

|    |        |
|----|--------|
| #1 | .21744 |
| #2 | .15892 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2436.7 | 39075. | 4399.7 | 109.84 | 3415.6 |
| Stddev    | 11.9   | 58.    | 26.5   | .22    | 7.4    |
| %RSD      | .48667 | .14761 | .60335 | .20385 | .21793 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2428.3 | 39034. | 4380.9 | 110.00 | 3410.4 |
| #2 | 2445.0 | 39116. | 4418.5 | 109.68 | 3420.9 |

Sample Name: PB113935TB      Acquired: 10/19/2018 17:36:49      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00207 | -.00038 | -.00117 | .00015 | -.00116 | -.01191 | -.00177 | -.00009 |
| Stddev | .00187 | .00027  | .00061  | .00023 | .00218  | .01327  | .00071  | .00009  |
| %RSD   | 90.544 | 70.201  | 52.507  | 153.45 | 187.78  | 111.40  | 39.942  | 102.36  |

|    |        |         |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00339 | -.00019 | -.00160 | .00031  | .00038  | -.02130 | -.00227 | -.00016 |
| #2 | .00074 | -.00057 | -.00073 | -.00001 | -.00270 | -.00253 | -.00127 | -.00002 |

|        |         |        |        |         |         |        |        |        |
|--------|---------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00003 | .06425 | .00074 | -.00015 | -.00062 | .00463 | .00047 | .05624 |
| Stddev | .00008  | .00410 | .00048 | .00021  | .00002  | .00295 | .00010 | .00402 |
| %RSD   | 267.60  | 6.3873 | 65.515 | 141.17  | 2.9325  | 63.633 | 21.815 | 7.1401 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | -.00009 | .06715 | .00040 | -.00030 | -.00063 | .00255 | .00055 | .05908 |
| #2 | .00003  | .06135 | .00108 | -.00000 | -.00061 | .00672 | .00040 | .05340 |

|        |        |         |          |         |        |        |        |         |
|--------|--------|---------|----------|---------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895   | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm      | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00344 | -.00023 | F 280.60 | -.00045 | .00775 | .11819 | .00022 | -.00592 |
| Stddev | .00004 | .00065  | 4.02     | .00024  | .00001 | .02257 | .00017 | .01170  |
| %RSD   | 1.2664 | 278.54  | 1.4313   | 53.084  | .06528 | 19.094 | 78.621 | 197.75  |

|    |        |         |        |         |        |        |        |         |
|----|--------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00348 | .00023  | 283.44 | -.00028 | .00775 | .13415 | .00035 | .00236  |
| #2 | .00341 | -.00069 | 277.76 | -.00062 | .00776 | .10224 | .00010 | -.01419 |

|        |        |        |        |        |         |        |        |          |
|--------|--------|--------|--------|--------|---------|--------|--------|----------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .00147 | .00721 | .00119 | .00160 | -.00093 | -.0012 | .00015 | F 3.9998 |
| Stddev | .00154 | .00146 | .00061 | .00011 | .00091  | .0004  | .00006 | .0553    |
| %RSD   | 104.47 | 20.226 | 51.046 | 7.0603 | 97.309  | 29.65  | 41.469 | 1.3815   |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00256 | .00824 | .00076 | .00168 | -.00157 | -.0015 | .00019 | 4.0388 |
| #2 | .00038 | .00618 | .00162 | .00152 | -.00029 | -.0010 | .00011 | 3.9607 |

Sample Name: PB113935TB      Acquired: 10/19/2018 17:36:49      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .60268  
Stddev      .16858  
%RSD      27.972

#1      .72188  
#2      .48347

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2256.2 | 36009. | 4506.6 | 111.72 | 3001.4 |
| Stddev    | 17.9   | 101.   | 16.7   | .08    | 18.9   |
| %RSD      | .79514 | .27932 | .37108 | .07384 | .62918 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2243.5 | 35938. | 4494.8 | 111.78 | 2988.1 |
| #2 | 2268.9 | 36080. | 4518.4 | 111.66 | 3014.8 |

Sample Name: PB113920BL      Acquired: 10/19/2018 17:41:00      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00043 | .00111 | -.00193 | .00252 | -.00085 | -.01179 | -.00093 | -.00006 |
| Stddev | .00005 | .00157 | .00014  | .00034 | .00088  | .00256  | .00011  | .00014  |
| %RSD   | 11.282 | 141.36 | 7.3248  | 13.525 | 103.59  | 21.728  | 11.850  | 220.14  |

|    |        |        |         |        |         |         |         |         |
|----|--------|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00039 | .00000 | -.00203 | .00228 | -.00023 | -.01361 | -.00101 | .00003  |
| #2 | .00046 | .00222 | -.00183 | .00277 | -.00147 | -.00998 | -.00085 | -.00016 |

|        |         |        |         |         |         |        |         |        |
|--------|---------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00008 | .00201 | -.00005 | -.00013 | -.00021 | .00271 | -.00002 | .02501 |
| Stddev | .00010  | .01817 | .00003  | .00016  | .00056  | .00278 | .00001  | .01705 |
| %RSD   | 122.53  | 905.56 | 53.936  | 124.75  | 265.53  | 102.37 | 28.473  | 68.158 |

|    |         |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00001 | .01486  | -.00008 | -.00002 | -.00061 | .00075 | -.00002 | .03707 |
| #2 | -.00015 | -.01084 | -.00003 | -.00024 | .00019  | .00468 | -.00002 | .01296 |

|        |        |         |         |         |         |        |         |         |
|--------|--------|---------|---------|---------|---------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00234 | -.00002 | -.03542 | -.00050 | -.00045 | .07585 | -.00018 | -.01147 |
| Stddev | .00020 | .00022  | .00832  | .00029  | .00010  | .01688 | .00024  | .00336  |
| %RSD   | 8.3365 | 1370.7  | 23.498  | 59.285  | 22.178  | 22.249 | 137.06  | 29.318  |

|    |        |         |         |         |         |        |         |         |
|----|--------|---------|---------|---------|---------|--------|---------|---------|
| #1 | .00220 | .00014  | -.04130 | -.00029 | -.00052 | .08778 | -.00035 | -.01385 |
| #2 | .00248 | -.00017 | -.02953 | -.00070 | -.00038 | .06392 | -.00001 | -.00910 |

|        |         |         |         |        |         |        |        |          |
|--------|---------|---------|---------|--------|---------|--------|--------|----------|
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | -.00347 | -.00074 | -.00132 | .00012 | -.00006 | -.0005 | .00011 | F 2.7489 |
| Stddev | .00024  | .00099  | .00036  | .00113 | .00070  | .0005  | .00009 | .2003    |
| %RSD   | 7.0569  | 134.86  | 27.126  | 937.79 | 1108.8  | 87.33  | 79.532 | 7.2863   |

|    |         |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00330 | -.00144 | -.00106 | -.00068 | .00043  | -.0009 | .00017 | 2.8905 |
| #2 | -.00364 | -.00003 | -.00157 | .00092  | -.00056 | -.0002 | .00005 | 2.6073 |

Sample Name: PB113920BL      Acquired: 10/19/2018 17:41:00      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .08433 |
| Stddev | .19559   |
| %RSD   | 231.95   |

|    |         |
|----|---------|
| #1 | .22263  |
| #2 | -.05398 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2464.1 | 39872. | 4529.0 | 116.53 | 3432.6 |
| Stddev    | 5.3    | 51.    | 35.9   | 3.09   | 5.3    |
| %RSD      | .21340 | .12668 | .79220 | 2.6548 | .15374 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2460.4 | 39836. | 4503.7 | 114.34 | 3428.9 |
| #2 | 2467.8 | 39908. | 4554.4 | 118.72 | 3436.3 |

Sample Name: PB113920BS      Acquired: 10/19/2018 17:45:06      Type: Unk  
Method: P4-ICP2(v2514)      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    | .82830 | 1.8352 | .94119 | 2.0160 | .88463 | 2.1882 | .22030 |
| Stddev | .00199 | .0023  | .00242 | .0037  | .00047 | .0428  | .00057 |
| %RSD   | .24053 | .12550 | .25709 | .18206 | .05264 | 1.9550 | .25891 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82690 | 1.8368 | .93948 | 2.0134 | .88430 | 2.1580 | .22071 |
| #2 | .82971 | 1.8335 | .94290 | 2.0186 | .88496 | 2.2185 | .21990 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19293 | .17829 | 1.1263 | .38093 | .19143 | .32794 | 2.7949 |
| Stddev | .00036 | .00013 | .0063  | .00038 | .00046 | .00046 | .0179  |
| %RSD   | .18700 | .07342 | .55938 | .09969 | .24096 | .14164 | .63960 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19267 | .17820 | 1.1219 | .38120 | .19111 | .32827 | 2.7823 |
| #2 | .19318 | .17839 | 1.1308 | .38066 | .19176 | .32762 | 2.8075 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21308 | 2.0771 | .45531 | .06809 | 2.9798 | .28818 | .19068 |
| Stddev | .00081 | .0086  | .00027 | .00033 | .0198  | .00145 | .00262 |
| %RSD   | .38196 | .41436 | .05975 | .48481 | .66585 | .50229 | 1.3730 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21251 | 2.0710 | .45550 | .06833 | 2.9938 | .28715 | .18883 |
| #2 | .21366 | 2.0832 | .45511 | .06786 | 2.9657 | .28920 | .19253 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.748 | .46310 | .28764 | F -.00600 | .96140 | .63589 | .21009 |
| Stddev | .034   | .00125 | .00105 | .00374    | .00397 | .00113 | .00338 |
| %RSD   | .31449 | .26899 | .36339 | 62.286    | .41274 | .17792 | 1.6083 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.724 | .46398 | .28838 | -.00336 | .95859 | .63509 | .21248 |
| #2 | 10.772 | .46222 | .28690 | -.00865 | .96420 | .63669 | .20770 |

Sample Name: PB113920BS      Acquired: 10/19/2018 17:45:06      Type: Unk  
Method: P4-ICP2(v2514)      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    | .21734 | 4.953  | .20375 | F 2.7585 | F<.00000 |
| Stddev | .00186 | .009   | .00126 | .0097    | .22586   |
| %RSD   | .85726 | .1736  | .61750 | .35061   | 13.667   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21603 | 4.947 | .20464 | 2.7517 | -1.4929 |
| #2 | .21866 | 4.959 | .20286 | 2.7653 | -1.8124 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2368.1 | 38936. | 4414.9 | 112.20 | 3322.9 |
| Stddev    | 12.0   | 39.    | 10.7   | .90    | 20.7   |
| %RSD      | .50774 | .10031 | .24167 | .80390 | .62396 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2359.6 | 38963. | 4407.3 | 112.83 | 3308.2 |
| #2 | 2376.6 | 38908. | 4422.4 | 111.56 | 3337.5 |

Sample Name: PB113935BS      Acquired: 10/19/2018 17:48:57      Type: Unk  
Method: P4-ICP2(v2514)      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    | .81091 | 1.8262 | .93205 | 2.0241 | .84095 | 2.0749 | .20736 |
| Stddev | .00219 | .0024  | .00025 | .0107  | .00268 | .0248  | .00011 |
| %RSD   | .27008 | .13116 | .02675 | .52922 | .31910 | 1.1936 | .05309 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81245 | 1.8245 | .93223 | 2.0317 | .84285 | 2.0574 | .20744 |
| #2 | .80936 | 1.8279 | .93188 | 2.0165 | .83906 | 2.0924 | .20729 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19570 | .17711 | 1.0512 | .36447 | .18453 | .31823 | 2.7028 |
| Stddev | .00016 | .00013 | .0411  | .00260 | .00050 | .00061 | .0192  |
| %RSD   | .08262 | .07589 | 3.9111 | .71392 | .27189 | .19250 | .71124 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19558 | .17701 | 1.0803 | .36263 | .18489 | .31779 | 2.7164 |
| #2 | .19581 | .17720 | 1.0221 | .36631 | .18418 | .31866 | 2.6892 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20444 | 1.9932 | .44087 | .06759 | 2.7668 | .26922 | .18968 |
| Stddev | .00034 | .0561  | .00024 | .00002 | .0089  | .00086 | .00336 |
| %RSD   | .16779 | 2.8156 | .05382 | .02489 | .32082 | .32065 | 1.7728 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20469 | 2.0329 | .44104 | .06758 | 2.7605 | .26983 | .19206 |
| #2 | .20420 | 1.9535 | .44070 | .06760 | 2.7731 | .26861 | .18730 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.219 | .42673 | .28510 | F -.00956 | .95880 | .62292 | .19656 |
| Stddev | .010   | .00068 | .01298 | .00025    | .02003 | .00116 | .00302 |
| %RSD   | .09824 | .16047 | 4.5538 | 2.5984    | 2.0890 | .18686 | 1.5356 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.226 | .42722 | .27592 | -.00974 | .97296 | .62375 | .19869 |
| #2 | 10.212 | .42625 | .29428 | -.00938 | .94464 | .62210 | .19443 |

Sample Name: PB113935BS      Acquired: 10/19/2018 17:48:57      Type: Unk  
Method: P4-ICP2(v2514)      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    | .20463 | 4.974  | .19291 | F 2.6494 | F<.00000 |
| Stddev | .00087 | .004   | .00028 | .2514    | .11195   |
| %RSD   | .42491 | .0905  | .14485 | 9.4892   | 13.961   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20402 | 4.971 | .19311 | 2.8272 | -.72273 |
| #2 | .20525 | 4.977 | .19271 | 2.4717 | -.88106 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2458.2 | 39795. | 4494.2 | 112.98 | 3398.7 |
| Stddev    | 5.0    | 29.    | 47.0   | 2.09   | 5.9    |
| %RSD      | .20286 | .07265 | 1.0452 | 1.8463 | .17361 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2454.7 | 39774. | 4461.0 | 111.51 | 3394.5 |
| #2 | 2461.7 | 39815. | 4527.4 | 114.46 | 3402.9 |

Sample Name: PB113885BS      Acquired: 10/19/2018 17:52:49      Type: Unk  
Method: P4-ICP2(v2514)      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    | .81167 | 1.8244 | .92617 | 2.0320 | .84644 | 2.0690 | .20769 |
| Stddev | .00198 | .0021  | .00037 | .0073  | .00367 | .0271  | .00147 |
| %RSD   | .24441 | .11312 | .04037 | .36071 | .43332 | 1.3078 | .70585 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81027 | 1.8258 | .92590 | 2.0269 | .84903 | 2.0499 | .20666 |
| #2 | .81308 | 1.8229 | .92643 | 2.0372 | .84384 | 2.0881 | .20873 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19509 | .17647 | 1.0661 | .36095 | .18410 | .31771 | 2.6323 |
| Stddev | .00029 | .00045 | .0258  | .00128 | .00052 | .00057 | .0576  |
| %RSD   | .14883 | .25338 | 2.4222 | .35460 | .28173 | .18030 | 2.1890 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19530 | .17616 | 1.0844 | .36005 | .18374 | .31812 | 2.5915 |
| #2 | .19489 | .17679 | 1.0479 | .36186 | .18447 | .31731 | 2.6730 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20418 | 1.9955 | .44072 | .06769 | 2.7123 | .26999 | .18696 |
| Stddev | .00047 | .0583  | .00087 | .00078 | .0286  | .00003 | .00390 |
| %RSD   | .22884 | 2.9232 | .19765 | 1.1593 | 1.0540 | .01178 | 2.0877 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20451 | 2.0367 | .44010 | .06824 | 2.6921 | .27001 | .18420 |
| #2 | .20385 | 1.9542 | .44133 | .06713 | 2.7325 | .26997 | .18972 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.207 | .42681 | .27324 | F -.00812 | .96143 | .61914 | .19568 |
| Stddev | .025   | .00006 | .00900 | .00213    | .00186 | .00234 | .00015 |
| %RSD   | .24811 | .01360 | 3.2947 | 26.194    | .19388 | .37757 | .07449 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.189 | .42677 | .26687 | -.00661 | .96011 | .61749 | .19558 |
| #2 | 10.225 | .42685 | .27960 | -.00962 | .96275 | .62079 | .19579 |

Sample Name: PB113885BS      Acquired: 10/19/2018 17:52:49      Type: Unk  
Method: P4-ICP2(v2514)      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    | .20281 | 4.960  | .19251 | F 2.5513 | F<.00000 |
| Stddev | .00097 | .013   | .00103 | .0905    | .12111   |
| %RSD   | .48066 | .2692  | .53301 | 3.5459   | 9.6248   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20212 | 4.951 | .19179 | 2.6152 | -1.3440 |
| #2 | .20350 | 4.970 | .19324 | 2.4873 | -1.1727 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2443.5 | 39409. | 4446.4 | 113.79 | 3385.2 |
| Stddev    | 12.2   | 32.    | 9.3    | 1.64   | 14.9   |
| %RSD      | .49891 | .08170 | .21006 | 1.4448 | .43939 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2434.8 | 39431. | 4439.8 | 114.95 | 3374.7 |
| #2 | 2452.1 | 39386. | 4453.0 | 112.63 | 3395.7 |

Sample Name: CCV07      Acquired: 10/19/2018 17:56:41      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.2172 | 4.7206 | 4.7790 | 5.1334 | 5.3796 | 10.724 | 10.097 | .24763 |
| Stddev | .0010  | .0041  | .0107  | .0174  | .0218  | .036   | .045   | .00016 |
| %RSD   | .01900 | .08638 | .22348 | .33950 | .40524 | .33440 | .44779 | .06446 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.2165 | 4.7177 | 4.7714 | 5.1457 | 5.3951 | 10.749 | 10.129 | .24752 |
| #2 | 5.2179 | 4.7235 | 4.7865 | 5.1211 | 5.3642 | 10.699 | 10.065 | .24774 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.2669 | 26.873 | .93350 | 2.3472 | 1.2949 | 4.9354 | 2.4534 | 23.931 |
| Stddev | .0034  | .071   | .00145 | .0015  | .0038  | .0012  | .0001  | .151   |
| %RSD   | .15060 | .26306 | .15556 | .06371 | .29411 | .02464 | .00434 | .63198 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.2645 | 26.823 | .93453 | 2.3461 | 1.2976 | 4.9345 | 2.4533 | 24.038 |
| #2 | 2.2693 | 26.923 | .93247 | 2.3482 | 1.2923 | 4.9363 | 2.4535 | 23.824 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4296 | 1.2306 | 23.228 | 2.3992 | 2.3703 | 25.264 | 5.3092 | 4.7113 |
| Stddev | .0062  | .0046  | .102   | .0019  | .0053  | .141   | .0073  | .0117  |
| %RSD   | .25577 | .37187 | .43886 | .07867 | .22421 | .55953 | .13813 | .24900 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4253 | 1.2339 | 23.300 | 2.3978 | 2.3665 | 25.364 | 5.3144 | 4.7030 |
| #2 | 2.4340 | 1.2274 | 23.156 | 2.4005 | 2.3740 | 25.164 | 5.3041 | 4.7196 |

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8742 | 4.9548 | 4.5988 | 4.8286 | 5.0347 | 4.560  | 4.7893 | F 4.2285 |
| Stddev | .0001  | .0134  | .0056  | .0184  | .0089  | .000   | .0178  | .0991    |
| %RSD   | .00120 | .27099 | .12266 | .38091 | .17722 | .0086  | .37105 | 2.3439   |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 4.8742 | 4.9453 | 4.6028 | 4.8416 | 5.0410 | 4.559 | 4.8018 | 4.1584 |
| #2 | 4.8741 | 4.9643 | 4.5948 | 4.8156 | 5.0284 | 4.560 | 4.7767 | 4.2986 |

Sample Name: CCV07      Acquired: 10/19/2018 17:56:41      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.3338  
Stddev      .2474  
%RSD      10.602

#1      2.1588  
#2      2.5087

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2332.8 | 37660. | 4431.5 | 107.49 | 3067.7 |
| Stddev    | 10.2   | 74.    | 17.9   | .13    | 5.1    |
| %RSD      | .43916 | .19743 | .40343 | .11961 | .16493 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2325.6 | 37608. | 4418.9 | 107.40 | 3064.1 |
| #2 | 2340.1 | 37713. | 4444.2 | 107.58 | 3071.3 |

Sample Name: CCB07      Acquired: 10/19/2018 18:00:27      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7583      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |        |         |          |
|--------|---------|---------|---------|---------|---------|--------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      |
| Avg    | .00149  | .00135  | -.00183 | -.00231 | -.00255 | .01238 | -.00163 | .00004   |
| Stddev | .00088  | .00024  | .00086  | .00595  | .00022  | .00217 | .00005  | .00007   |
| %RSD   | 59.346  | 17.905  | 47.356  | 257.54  | 8.4983  | 17.497 | 3.3558  | 185.71   |
| #1     | .00211  | .00152  | -.00121 | .00190  | -.00240 | .01391 | -.00167 | .00008   |
| #2     | .00086  | .00118  | -.00244 | -.00651 | -.00270 | .01085 | -.00159 | -.00001  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      |
| Avg    | .00000  | -.00623 | .00016  | .00007  | -.00005 | .00358 | .00004  | .07174   |
| Stddev | .00002  | .00351  | .00046  | .00009  | .00046  | .00351 | .00001  | .01958   |
| %RSD   | 3332.1  | 56.341  | 288.66  | 135.84  | 1016.7  | 98.110 | 39.072  | 27.287   |
| #1     | .00001  | -.00375 | -.00016 | .00000  | .00028  | .00110 | .00005  | .08558   |
| #2     | -.00001 | -.00871 | .00048  | .00014  | -.00037 | .00606 | .00003  | .05790   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      |
| Avg    | .00179  | -.00007 | -.11989 | -.00026 | -.00053 | .07915 | .00020  | -.01388  |
| Stddev | .00034  | .00026  | .00683  | .00005  | .00002  | .01637 | .00037  | .00351   |
| %RSD   | 19.075  | 389.29  | 5.6950  | 20.857  | 2.9717  | 20.679 | 181.35  | 25.256   |
| #1     | .00155  | -.00025 | -.12472 | -.00022 | -.00054 | .06758 | .00047  | -.01636  |
| #2     | .00203  | .00011  | -.11507 | -.00030 | -.00051 | .09073 | -.00006 | -.01140  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      |
| Avg    | -.00589 | .00216  | -.00067 | .00160  | -.00148 | .0004  | .00005  | F 2.6507 |
| Stddev | .00072  | .00330  | .00121  | .00046  | .00041  | .0006  | .00004  | .3268    |
| %RSD   | 12.205  | 152.53  | 181.92  | 28.569  | 27.315  | 162.1  | 82.274  | 12.330   |
| #1     | -.00640 | -.00017 | -.00153 | .00128  | -.00177 | -.0001 | .00002  | 2.8818   |
| #2     | -.00538 | .00449  | .00019  | .00192  | -.00120 | .0008  | .00008  | 2.4196   |

Sample Name: CCB07      Acquired: 10/19/2018 18:00:27      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7583      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .12830 |
| Stddev | .36643   |
| %RSD   | 285.59   |

|    |         |
|----|---------|
| #1 | -.13080 |
| #2 | .38741  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2445.9 | 40063. | 4540.1 | 116.13 | 3445.3 |
| Stddev    | 2.2    | 175.   | 17.6   | 1.27   | 3.6    |
| %RSD      | .08964 | .43731 | .38851 | 1.0960 | .10428 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2444.4 | 39939. | 4527.7 | 115.23 | 3442.8 |
| #2 | 2447.5 | 40187. | 4552.6 | 117.03 | 3447.9 |

Sample Name: PB114002BL      Acquired: 10/19/2018 18:04:33      Type: Unk  
Method: P4-ICP2(v2514)      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    | -.00010 | .00194 | -.00136 | .00024 | -.00142 | -.00343 | -.00138 | .00004 |
| Stddev | .00070  | .00155 | .00128  | .00043 | .00213  | .00640  | .00063  | .00000 |
| %RSD   | 684.53  | 80.154 | 93.684  | 181.73 | 149.68  | 186.58  | 45.594  | 10.061 |

|    |         |        |         |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00040  | .00304 | -.00226 | .00055  | .00008  | -.00796 | -.00182 | .00004 |
| #2 | -.00060 | .00084 | -.00046 | -.00007 | -.00293 | .00110  | -.00093 | .00003 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | -.00928 | .00013 | .00001 | .00007 | .00171 | .00001 | .03990 |
| Stddev | .00002  | .00142  | .00099 | .00008 | .00018 | .01017 | .00005 | .02564 |
| %RSD   | 53.681  | 15.259  | 772.92 | 858.22 | 268.75 | 596.06 | 769.62 | 64.271 |

|    |         |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00002 | -.00827 | .00083  | .00006  | .00019  | .00890  | -.00003 | .05803 |
| #2 | -.00004 | -.01028 | -.00057 | -.00005 | -.00006 | -.00549 | .00004  | .02176 |

|        |        |         |         |         |         |        |         |         |
|--------|--------|---------|---------|---------|---------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00232 | -.00054 | -.12892 | -.00017 | -.00047 | .05154 | -.00017 | -.00424 |
| Stddev | .00021 | .00071  | .00114  | .00060  | .00003  | .04096 | .00013  | .00204  |
| %RSD   | 9.2247 | 132.75  | .88329  | 358.90  | 6.1685  | 79.470 | 76.534  | 48.156  |

|    |        |         |         |         |         |        |         |         |
|----|--------|---------|---------|---------|---------|--------|---------|---------|
| #1 | .00247 | -.00003 | -.12973 | .00026  | -.00049 | .02258 | -.00026 | -.00569 |
| #2 | .00217 | -.00104 | -.12812 | -.00059 | -.00045 | .08050 | -.00008 | -.00280 |

|        |         |         |         |        |         |        |         |        |
|--------|---------|---------|---------|--------|---------|--------|---------|--------|
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00126 | -.00087 | -.00096 | .00055 | -.00070 | -.0010 | -.00016 | 2.5343 |
| Stddev | .00580  | .00370  | .00115  | .00150 | .00036  | .0003  | .00006  | .4313  |
| %RSD   | 459.48  | 427.13  | 118.87  | 274.09 | 51.897  | 33.75  | 35.348  | 17.018 |

|    |         |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00536 | .00175  | -.00015 | .00161  | -.00095 | -.0013 | -.00020 | 2.2293 |
| #2 | .00284  | -.00348 | -.00177 | -.00051 | -.00044 | -.0008 | -.00012 | 2.8393 |

Sample Name: PB114002BL      Acquired: 10/19/2018 18:04:33      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .23927  
Stddev      .54690  
%RSD      228.57

#1      .62599  
#2      -.14745

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2447.3 | 39884. | 4551.9 | 115.36 | 3431.4 |
| Stddev    | 10.4   | 50.    | 47.4   | 1.46   | 24.3   |
| %RSD      | .42500 | .12620 | 1.0408 | 1.2668 | .70783 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2439.9 | 39920. | 4518.4 | 114.33 | 3414.2 |
| #2 | 2454.6 | 39848. | 4585.4 | 116.39 | 3448.5 |

Sample Name: PB114002BS      Acquired: 10/19/2018 18:08:37      Type: Unk  
Method: P4-ICP2(v2514)      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    | .81801 | 1.8097 | .93175 | 1.9961 | .86089 | 2.0885 | .21161 |
| Stddev | .00582 | .0017  | .00017 | .0131  | .00211 | .0159  | .00125 |
| %RSD   | .71205 | .09342 | .01866 | .65386 | .24527 | .76014 | .59023 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82213 | 1.8109 | .93188 | 2.0053 | .85939 | 2.0997 | .21073 |
| #2 | .81389 | 1.8085 | .93163 | 1.9868 | .86238 | 2.0773 | .21250 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19344 | .17573 | 1.0587 | .37157 | .18687 | .31994 | 2.7216 |
| Stddev | .00074 | .00030 | .0101  | .00269 | .00033 | .00099 | .0184  |
| %RSD   | .38401 | .17221 | .94936 | .72353 | .17509 | .31008 | .67625 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19291 | .17594 | 1.0658 | .36967 | .18663 | .31924 | 2.7346 |
| #2 | .19396 | .17551 | 1.0516 | .37347 | .18710 | .32064 | 2.7086 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20704 | 2.0332 | .44376 | .06891 | 2.7916 | .27626 | .18828 |
| Stddev | .00112 | .0698  | .00177 | .00012 | .0168  | .00002 | .00143 |
| %RSD   | .53918 | 3.4326 | .39920 | .18015 | .60121 | .00902 | .75953 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20625 | 1.9839 | .44501 | .06882 | 2.8035 | .27625 | .18727 |
| #2 | .20783 | 2.0826 | .44250 | .06899 | 2.7797 | .27628 | .18929 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 10.396 | .44210 | .28113 | -.00594 | .95222 | .62694 | .20027 |
| Stddev | .043   | .00031 | .01045 | .00402  | .00131 | .00110 | .00177 |
| %RSD   | .41761 | .07058 | 3.7170 | 67.648  | .13777 | .17540 | .88566 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.366 | .44232 | .28852 | -.00310 | .95130 | .62771 | .20153 |
| #2 | 10.427 | .44188 | .27374 | -.00878 | .95315 | .62616 | .19902 |

Sample Name: PB114002BS      Acquired: 10/19/2018 18:08:37      Type: Unk  
Method: P4-ICP2(v2514)      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    | .20681 | 4.917  | .19798 | 2.3176 | F<.00000 |
| Stddev | .00061 | .010   | .00086 | .1539  | .41987   |
| %RSD   | .29356 | .1963  | .43635 | 6.6411 | 38.441   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20638 | 4.910 | .19859 | 2.2087 | -1.3891 |
| #2 | .20724 | 4.923 | .19737 | 2.4264 | -.79536 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2391.4 | 39184. | 4459.7 | 112.44 | 3338.2 |
| Stddev    | 15.8   | 18.    | 49.3   | .23    | 19.4   |
| %RSD      | .65912 | .04490 | 1.1048 | .20439 | .58235 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2380.3 | 39171. | 4494.5 | 112.60 | 3324.4 |
| #2 | 2402.6 | 39196. | 4424.9 | 112.28 | 3351.9 |

Sample Name: J5543-01      Acquired: 10/19/2018 18:12:29      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00656 | .00249 | -.00181 | .00151 | -.00299 | .02025 | .00967 | -.00001 |
| Stddev | .00310 | .00151 | .00039  | .00096 | .00070  | .00103 | .00046 | .00001  |
| %RSD   | 47.272 | 60.874 | 21.460  | 63.571 | 23.416  | 5.1105 | 4.7734 | 104.81  |

|    |        |        |         |        |         |        |        |         |
|----|--------|--------|---------|--------|---------|--------|--------|---------|
| #1 | .00875 | .00142 | -.00209 | .00083 | -.00349 | .01952 | .01000 | -.00002 |
| #2 | .00437 | .00356 | -.00154 | .00219 | -.00250 | .02098 | .00935 | -.00000 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00011 | 26.422 | .00038 | -.00010 | .00182 | .00256 | .00528 | 6.8491 |
| Stddev | .00002  | .281   | .00002 | .00009  | .00047 | .01470 | .00006 | .0003  |
| %RSD   | 19.036  | 1.0644 | 5.1640 | 85.434  | 25.766 | 573.51 | 1.2004 | .00481 |

|    |         |        |        |         |        |         |        |        |
|----|---------|--------|--------|---------|--------|---------|--------|--------|
| #1 | -.00012 | 26.621 | .00039 | -.00017 | .00148 | .01296  | .00533 | 6.8489 |
| #2 | -.00009 | 26.224 | .00037 | -.00004 | .00215 | -.00783 | .00524 | 6.8494 |

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00185 | -.00010 | 33.083 | .00096 | -.00004 | 2.3849 | .00056 | .01063 |
| Stddev | .00009 | .00033  | .036   | .00034 | .00006  | .0251  | .00034 | .01094 |
| %RSD   | 4.7801 | 326.21  | .11033 | 35.137 | 144.88  | 1.0543 | 61.071 | 102.99 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00178 | .00013  | 33.057 | .00072 | .00000  | 2.4027 | .00032 | .00289 |
| #2 | .00191 | -.00034 | 33.109 | .00120 | -.00008 | 2.3671 | .00080 | .01837 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.9363 | 1.3086 | -.00236 | .00040 | -.00112 | .0562  | .12240 | 3.5712 |
| Stddev | .0106  | .0082  | .00074  | .00029 | .00018  | .0003  | .00008 | .1466  |
| %RSD   | .21414 | .62613 | 31.216  | 72.854 | 16.343  | .4615  | .06132 | 4.1062 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 4.9437 | 1.3144 | -.00288 | .00019 | -.00125 | .0560 | .12245 | 3.4675 |
| #2 | 4.9288 | 1.3028 | -.00184 | .00060 | -.00099 | .0564 | .12234 | 3.6749 |

Sample Name: J5543-01      Acquired: 10/19/2018 18:12:29      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.4081 |
| Stddev | .1051  |
| %RSD   | 7.4642 |

|    |        |
|----|--------|
| #1 | 1.4825 |
| #2 | 1.3338 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2487.0 | 40093. | 4603.7 | 115.46 | 3418.9 |
| Stddev    | 1.1    | 26.    | 21.6   | .80    | 1.9    |
| %RSD      | .04411 | .06398 | .46838 | .69702 | .05424 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2487.8 | 40075. | 4588.4 | 116.02 | 3420.3 |
| #2 | 2486.2 | 40111. | 4618.9 | 114.89 | 3417.6 |

Sample Name: J5543-01DUP      Acquired: 10/19/2018 18:16:32      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00173 | .00113 | -.00076 | .00007 | -.00252 | .01895 | .00977 | .00003 |
| Stddev | .00155 | .00016 | .00013  | .00288 | .00159  | .00062 | .00035 | .00011 |
| %RSD   | 89.285 | 14.046 | 17.447  | 4319.6 | 63.157  | 3.2581 | 3.5640 | 441.09 |

|    |        |        |         |         |         |        |        |         |
|----|--------|--------|---------|---------|---------|--------|--------|---------|
| #1 | .00064 | .00102 | -.00085 | -.00197 | -.00139 | .01939 | .01001 | .00011  |
| #2 | .00282 | .00124 | -.00067 | .00210  | -.00364 | .01852 | .00952 | -.00005 |

|        |         |        |        |        |        |         |        |        |
|--------|---------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00004 | 26.673 | .00006 | .00003 | .00200 | -.00307 | .00524 | 6.7680 |
| Stddev | .00003  | .042   | .00008 | .00003 | .00027 | .00698  | .00004 | .0112  |
| %RSD   | 75.180  | .15612 | 142.66 | 122.27 | 13.575 | 227.07  | .80285 | .16557 |

|    |         |        |         |        |        |         |        |        |
|----|---------|--------|---------|--------|--------|---------|--------|--------|
| #1 | -.00006 | 26.703 | -.00000 | .00000 | .00219 | .00186  | .00527 | 6.7601 |
| #2 | -.00002 | 26.644 | .00011  | .00005 | .00181 | -.00800 | .00521 | 6.7760 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00161 | .00022 | 33.046 | .00083 | -.00018 | 2.4027 | .00011 | .00898 |
| Stddev | .00028 | .00045 | .547   | .00013 | .00003  | .0110  | .00018 | .00164 |
| %RSD   | 17.544 | 209.32 | 1.6545 | 15.402 | 18.077  | .45710 | 171.94 | 18.233 |

|    |        |         |        |        |         |        |         |        |
|----|--------|---------|--------|--------|---------|--------|---------|--------|
| #1 | .00141 | .00053  | 33.433 | .00092 | -.00021 | 2.3949 | .00023  | .01014 |
| #2 | .00181 | -.00010 | 32.660 | .00074 | -.00016 | 2.4104 | -.00002 | .00783 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.0345 | 1.2989 | -.00247 | .00012 | -.00072 | .0557  | .12282 | 3.5076 |
| Stddev | .0382  | .0256  | .00055  | .00046 | .00069  | .0002  | .00066 | .0092  |
| %RSD   | .75913 | 1.9741 | 22.192  | 395.99 | 95.668  | .3872  | .53363 | .26375 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | 5.0615 | 1.3171 | -.00286 | -.00021 | -.00121 | .0556 | .12328 | 3.5142 |
| #2 | 5.0074 | 1.2808 | -.00209 | .00044  | -.00023 | .0559 | .12235 | 3.5011 |

Sample Name: J5543-01DUP      Acquired: 10/19/2018 18:16:32      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.3049  
 Stddev      .6828  
 %RSD      52.324

#1      .82210  
 #2      1.7877

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2441.1 | 39404. | 4604.0 | 119.23 | 3351.2 |
| Stddev    | 4.9    | 35.    | 46.7   | .29    | 5.3    |
| %RSD      | .19877 | .08954 | 1.0147 | .24743 | .15681 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2444.6 | 39380. | 4571.0 | 119.02 | 3347.5 |
| #2 | 2437.7 | 39429. | 4637.0 | 119.43 | 3354.9 |

Sample Name: J5543-01LX5      Acquired: 10/19/2018 18:20:34      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00261 | .00190 | -.00083 | .00060 | -.00180 | .00106 | .00079 | .00005 |
| Stddev | .00187 | .00210 | .00208  | .00224 | .00002  | .01034 | .00007 | .00000 |
| %RSD   | 71.662 | 110.67 | 249.69  | 370.96 | 1.0261  | 978.55 | 8.8963 | 5.3625 |

|    |        |        |         |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00129 | .00338 | -.00230 | .00219  | -.00182 | .00837  | .00074 | .00005 |
| #2 | .00393 | .00041 | .00064  | -.00098 | -.00179 | -.00626 | .00084 | .00006 |

|        |        |        |        |         |        |         |        |        |
|--------|--------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00001 | 5.1831 | .00014 | -.00003 | .00071 | -.00500 | .00111 | 1.3814 |
| Stddev | .00002 | .0049  | .00025 | .00004  | .00028 | .00959  | .00001 | .0019  |
| %RSD   | 159.46 | .09436 | 179.76 | 118.13  | 38.929 | 191.67  | .96603 | .13564 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | .00003  | 5.1797 | .00032  | -.00001 | .00091 | -.01178 | .00110 | 1.3827 |
| #2 | -.00000 | 5.1866 | -.00004 | -.00006 | .00052 | .00178  | .00112 | 1.3801 |

|        |        |         |        |         |         |        |        |         |
|--------|--------|---------|--------|---------|---------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00200 | -.00031 | 6.4647 | -.00014 | -.00033 | .53306 | .00010 | -.00660 |
| Stddev | .00002 | .00037  | .0052  | .00012  | .00003  | .01657 | .00027 | .00480  |
| %RSD   | 1.1867 | 119.70  | .08055 | 79.781  | 8.1563  | 3.1083 | 268.74 | 72.707  |

|    |        |         |        |         |         |        |         |         |
|----|--------|---------|--------|---------|---------|--------|---------|---------|
| #1 | .00198 | -.00005 | 6.4683 | -.00023 | -.00031 | .52134 | -.00009 | -.00321 |
| #2 | .00202 | -.00057 | 6.4610 | -.00006 | -.00035 | .54478 | .00029  | -.00999 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .93920 | .25780 | -.00052 | .00189 | -.00073 | .0088  | .02448 | 3.0831 |
| Stddev | .00743 | .00072 | .00052  | .00036 | .00019  | .0004  | .00018 | .3624  |
| %RSD   | .79107 | .27883 | 99.270  | 19.172 | 25.761  | 4.490  | .71896 | 11.753 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | .93395 | .25729 | -.00016 | .00214 | -.00086 | .0085 | .02460 | 3.3393 |
| #2 | .94446 | .25831 | -.00089 | .00163 | -.00060 | .0091 | .02436 | 2.8269 |

Sample Name: J5543-01LX5      Acquired: 10/19/2018 18:20:34      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .11345 |
| Stddev | .23002 |
| %RSD   | 202.75 |

|    |         |
|----|---------|
| #1 | .27610  |
| #2 | -.04920 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2432.2 | 39178. | 4535.5 | 113.57 | 3398.9 |
| Stddev    | 2.7    | 246.   | 18.9   | .70    | 7.1    |
| %RSD      | .10896 | .62738 | .41575 | .61644 | .20912 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2430.4 | 39004. | 4522.2 | 113.08 | 3393.8 |
| #2 | 2434.1 | 39352. | 4548.9 | 114.07 | 3403.9 |

Sample Name: J5543-01MS      Acquired: 10/19/2018 18:24:39      Type: Unk  
Method: P4-ICP2(v2514)      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    | .95418 | 2.0824 | 1.0646 | 2.4072 | .98796 | 2.3959 | .24238 | .23793 |
| Stddev | .00175 | .0023  | .0012  | .0084  | .00475 | .0087  | .00119 | .00088 |
| %RSD   | .18308 | .10958 | .11547 | .35116 | .48064 | .36400 | .49203 | .37076 |
| #1     | .95295 | 2.0841 | 1.0637 | 2.4132 | .98460 | 2.3897 | .24154 | .23730 |
| #2     | .95542 | 2.0808 | 1.0654 | 2.4012 | .99132 | 2.4021 | .24322 | .23855 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20438 | 27.306 | .41652 | .21026 | .36181 | 3.0082 | .23530 | 8.9514 |
| Stddev | .00007 | .068   | .00075 | .00054 | .00086 | .0010  | .00024 | .0718  |
| %RSD   | .03365 | .24862 | .17893 | .25686 | .23759 | .03338 | .10062 | .80203 |
| #1     | .20434 | 27.354 | .41599 | .20987 | .36242 | 3.0075 | .23547 | 9.0022 |
| #2     | .20443 | 27.258 | .41705 | .21064 | .36120 | 3.0089 | .23513 | 8.9006 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50334 | .07745 | 36.060 | .31076 | .21952 | 14.250 | .48727 | .34204 |
| Stddev | .00000 | .00055 | .055   | .00070 | .00019 | .000   | .00094 | .00050 |
| %RSD   | .00061 | .71479 | .15228 | .22441 | .08649 | .00272 | .19249 | .14602 |
| #1     | .50334 | .07705 | 36.098 | .31027 | .21938 | 14.250 | .48661 | .34169 |
| #2     | .50334 | .07784 | 36.021 | .31125 | .21965 | 14.250 | .48793 | .34239 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9151 | 2.3934 | .72588 | .22648 | .22828 | 6.066  | .33397 | 3.5323 |
| Stddev | .0227  | .0013  | .00114 | .00054 | .00093 | .001   | .00124 | .3369  |
| %RSD   | .46140 | .05447 | .15664 | .24057 | .40657 | .0097  | .37143 | 9.5374 |
| #1     | 4.8991 | 2.3925 | .72508 | .22686 | .22894 | 6.067  | .33485 | 3.7705 |
| #2     | 4.9312 | 2.3943 | .72669 | .22609 | .22763 | 6.066  | .33309 | 3.2941 |

Sample Name: J5543-01MS      Acquired: 10/19/2018 18:24:39      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .06264  
%RSD      72.447

#1      -.13075  
#2      -.04217

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2448.9 | 39297. | 4525.1 | 115.01 | 3326.6 |
| Stddev    | 11.6   | 49.    | 9.8    | .39    | 9.5    |
| %RSD      | .47471 | .12509 | .21553 | .34084 | .28543 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2440.7 | 39262. | 4518.2 | 114.74 | 3319.8 |
| #2 | 2457.1 | 39332. | 4532.0 | 115.29 | 3333.3 |

Sample Name: J5543-01MSD      Acquired: 10/19/2018 18:28:28      Type: Unk  
Method: P4-ICP2(v2514)      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    | .94215 | 2.0619 | 1.0520 | 2.3982 | .97779 | 2.4234 | .24804 | .23693 |
| Stddev | .00214 | .0063  | .0046  | .0058  | .00766 | .0150  | .00248 | .00141 |
| %RSD   | .22761 | .30356 | .43792 | .24363 | .78362 | .61912 | .99906 | .59355 |
| #1     | .94367 | 2.0664 | 1.0553 | 2.4023 | .98320 | 2.4128 | .24979 | .23793 |
| #2     | .94063 | 2.0575 | 1.0488 | 2.3941 | .97237 | 2.4340 | .24629 | .23594 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20171 | 27.390 | .41528 | .20814 | .35660 | 3.0635 | .23469 | 9.0599 |
| Stddev | .00150 | .289   | .00021 | .00170 | .00211 | .0477  | .00092 | .1156  |
| %RSD   | .74407 | 1.0566 | .05078 | .81487 | .59159 | 1.5567 | .38996 | 1.2756 |
| #1     | .20277 | 27.594 | .41513 | .20934 | .35810 | 3.0972 | .23533 | 9.1416 |
| #2     | .20065 | 27.185 | .41543 | .20694 | .35511 | 3.0298 | .23404 | 8.9782 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .49813 | .07728 | 36.513 | .30989 | .22141 | 14.480 | .48063 | .34301 |
| Stddev | .00223 | .00020 | .568   | .00140 | .00454 | .082   | .00261 | .00305 |
| %RSD   | .44789 | .25761 | 1.5566 | .45209 | 2.0514 | .56515 | .54336 | .88958 |
| #1     | .49970 | .07714 | 36.915 | .31088 | .22463 | 14.538 | .48248 | .34085 |
| #2     | .49655 | .07742 | 36.111 | .30890 | .21820 | 14.422 | .47878 | .34517 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8706 | 2.4194 | .72077 | .22794 | .23340 | 6.024  | .33915 | 3.4645 |
| Stddev | .0131  | .0651  | .00532 | .00201 | .00055 | .057   | .00454 | .0600  |
| %RSD   | .26893 | 2.6920 | .73880 | .87998 | .23423 | .9482  | 1.3395 | 1.7311 |
| #1     | 4.8799 | 2.4654 | .72453 | .22652 | .23378 | 6.064  | .34237 | 3.4221 |
| #2     | 4.8614 | 2.3733 | .71700 | .22935 | .23301 | 5.983  | .33594 | 3.5069 |

Sample Name: J5543-01MSD      Acquired: 10/19/2018 18:28:28      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | .27645  |
| %RSD   | 68.427  |

|    |         |
|----|---------|
| #1 | -.20853 |
| #2 | -.59950 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2459.3 | 39040. | 4457.7 | 113.37 | 3337.3 |
| Stddev    | 14.7   | 200.   | 66.4   | 2.26   | 18.2   |
| %RSD      | .59898 | .51290 | 1.4887 | 1.9962 | .54532 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2448.9 | 38898. | 4410.8 | 111.77 | 3324.4 |
| #2 | 2469.7 | 39181. | 4504.7 | 114.97 | 3350.1 |

Sample Name: J5543-01A      Acquired: 10/19/2018 18:32:18      Type: Unk  
Method: P4-ICP2(v2514)      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    | .95754 | 2.0909 | 1.0629 | 2.4197 | .99010 | 2.3730 | .24289 | .23629 |
| Stddev | .00414 | .0138  | .0026  | .0014  | .00133 | .0284  | .00224 | .00113 |
| %RSD   | .43216 | .65948 | .24533 | .05931 | .13481 | 1.1954 | .92253 | .47721 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .96047 | 2.0811 | 1.0610 | 2.4207 | .99105 | 2.3931 | .24448 | .23708 |
| #2 | .95462 | 2.1006 | 1.0647 | 2.4186 | .98916 | 2.3529 | .24131 | .23549 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20409 | 26.694 | .41622 | .21024 | .36115 | 3.0095 | .23371 | 8.8770 |
| Stddev | .00016 | .091   | .00082 | .00005 | .00027 | .0054  | .00027 | .0185  |
| %RSD   | .07880 | .33991 | .19676 | .02441 | .07416 | .18085 | .11366 | .20880 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20398 | 26.758 | .41564 | .21027 | .36097 | 3.0134 | .23390 | 8.8901 |
| #2 | .20421 | 26.630 | .41680 | .21020 | .36134 | 3.0057 | .23352 | 8.8639 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50411 | .07753 | 36.252 | .31020 | .21982 | 14.164 | .48586 | .34005 |
| Stddev | .00107 | .00006 | .046   | .00027 | .00216 | .128   | .00007 | .00956 |
| %RSD   | .21201 | .07487 | .12714 | .08731 | .98455 | .90586 | .01402 | 2.8127 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50335 | .07757 | 36.285 | .31001 | .21829 | 14.254 | .48591 | .34681 |
| #2 | .50486 | .07749 | 36.220 | .31040 | .22135 | 14.073 | .48581 | .33328 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9503 | 2.3726 | .72946 | .22374 | .22789 | 6.103  | .33682 | 3.4872 |
| Stddev | .0255  | .0144  | .00373 | .00259 | .00068 | .018   | .00023 | .1783  |
| %RSD   | .51523 | .60646 | .51181 | 1.1556 | .29995 | .2896  | .06681 | 5.1128 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 4.9322 | 2.3624 | .72682 | .22557 | .22741 | 6.091 | .33666 | 3.3611 |
| #2 | 4.9683 | 2.3828 | .73210 | .22191 | .22837 | 6.116 | .33698 | 3.6133 |

Sample Name: J5543-01A      Acquired: 10/19/2018 18:32:18      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .34446  
%RSD      52.827

#1      -.40848  
#2      -.89562

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2432.7 | 39348. | 4530.4 | 114.03 | 3292.9 |
| Stddev    | 3.1    | 23.    | 24.9   | .92    | 4.6    |
| %RSD      | .12555 | .05808 | .54986 | .80274 | .14070 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2430.6 | 39364. | 4548.0 | 114.67 | 3296.2 |
| #2 | 2434.9 | 39331. | 4512.8 | 113.38 | 3289.6 |

Sample Name: J5546-01      Acquired: 10/19/2018 18:36:07      Type: Unk  
Method: P4-ICP2(v2514)      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    | .12089 | -.00327 | .25581 | -.02458 | .04698 | 3.6653 | .62415 |
| Stddev | .00328 | .00050  | .00023 | .00348  | .00246 | .0211  | .00016 |
| %RSD   | 2.7149 | 15.311  | .09050 | 14.168  | 5.2360 | .57674 | .02490 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .11857 | -.00292 | .25564 | -.02704 | .04872 | 3.6803 | .62426 |
| #2 | .12321 | -.00363 | .25597 | -.02211 | .04524 | 3.6504 | .62404 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00156 | .01762 | 95.577 | .12944 | .01382 | 2.0884 | 101.53 |
| Stddev | .00001  | .00037 | .060   | .00064 | .00008 | .0045  | 2.25   |
| %RSD   | .90610  | 2.0921 | .06242 | .49576 | .59187 | .21624 | 2.2131 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00157 | .01788 | 95.619 | .12898 | .01376 | 2.0916 | 99.940 |
| #2 | -.00155 | .01736 | 95.534 | .12989 | .01388 | 2.0852 | 103.12 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.2215 | 14.488 | .10949 | .05450 | 479.44 | .01652 | 1.7149 |
| Stddev | .0014  | .028   | .00193 | .00072 | 1.27   | .00006 | .0351  |
| %RSD   | .11397 | .19138 | 1.7659 | 1.3227 | .26554 | .39046 | 2.0476 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.2205 | 14.468 | .10812 | .05399 | 480.34 | .01648 | 1.6901 |
| #2 | 1.2225 | 14.507 | .11086 | .05501 | 478.54 | .01657 | 1.7397 |

|        |        |        |        |          |          |        |        |
|--------|--------|--------|--------|----------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm    |
| Avg    | 32.802 | .13611 | .15881 | F 11.113 | F 16.578 | .02161 | .11619 |
| Stddev | .005   | .00065 | .01532 | .042     | .025     | .00022 | .00073 |
| %RSD   | .01567 | .47694 | 9.6475 | .37904   | .15328   | 1.0393 | .63176 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 32.799 | .13565 | .14798 | 11.083 | 16.596 | .02145 | .11671 |
| #2 | 32.806 | .13657 | .16964 | 11.143 | 16.560 | .02177 | .11567 |

Sample Name: J5546-01      Acquired: 10/19/2018 18:36:07      Type: Unk  
 Method: P4-ICP2(v2514)      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    | .02343 | .9557  | .52370 | .39847 | F<.00000 |
| Stddev | .00057 | .0030  | .00045 | .06036 | .13585   |
| %RSD   | 2.4484 | .3176  | .08555 | 15.148 | 7.4637   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02303 | .9536 | .52401 | .44115 | -1.7241 |
| #2 | .02384 | .9578 | .52338 | .35579 | -1.9163 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2144.9 | 34438. | 4376.2 | 103.16 | 2693.7 |
| Stddev    | 17.2   | 46.    | 23.7   | 1.44   | 19.5   |
| %RSD      | .80187 | .13381 | .54127 | 1.3928 | .72363 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2132.7 | 34405. | 4359.5 | 104.18 | 2680.0 |
| #2 | 2157.0 | 34470. | 4393.0 | 102.15 | 2707.5 |

Sample Name: J5546-03      Acquired: 10/19/2018 18:40:11      Type: Unk  
Method: P4-ICP2(v2514)      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    | .04648   | -.00243  | .04816  | .00114 | .02110 | 1.0299 | .10059 | -.00023 |
| Stddev | .00081   | .00146   | .00061  | .00108 | .00026 | .0031  | .00025 | .00004  |
| %RSD   | 1.7478   | 60.036   | 1.2568  | 95.243 | 1.2113 | .30047 | .24454 | 17.896  |
| #1     | .04705   | -.00347  | .04859  | .00037 | .02092 | 1.0278 | .10076 | -.00020 |
| #2     | .04590   | -.00140  | .04773  | .00190 | .02128 | 1.0321 | .10042 | -.00026 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00167   | 70.357   | .01195  | .00181 | .20411 | 8.9837 | .16673 | 11.608  |
| Stddev | .00005   | .281     | .00048  | .00030 | .00074 | .0137  | .00141 | .114    |
| %RSD   | 2.8969   | .39903   | 4.0375  | 16.401 | .36199 | .15198 | .84455 | .98003  |
| #1     | .00171   | 70.158   | .01160  | .00160 | .20358 | 8.9934 | .16772 | 11.528  |
| #2     | .00164   | 70.556   | .01229  | .00202 | .20463 | 8.9741 | .16573 | 11.689  |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .01751   | .00277   | 219.18  | .00399 | 1.1429 | 21.604 | .02186 | .11392  |
| Stddev | .00019   | .00085   | 1.68    | .00014 | .0052  | .052   | .00002 | .00272  |
| %RSD   | 1.0915   | 30.757   | .76484  | 3.5701 | .45874 | .23890 | .11434 | 2.3838  |
| #1     | .01765   | .00337   | 217.99  | .00389 | 1.1466 | 21.567 | .02185 | .11584  |
| #2     | .01738   | .00217   | 220.36  | .00409 | 1.1392 | 21.640 | .02188 | .11200  |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 12.629 | F 12.026 | -.00045 | .03884 | .01501 | .4693  | .35083 | 4.9846  |
| Stddev | .013     | .029     | .00042  | .00285 | .00029 | .0050  | .00064 | .1045   |
| %RSD   | .10312   | .23789   | 93.510  | 7.3329 | 1.9590 | 1.075  | .18232 | 2.0967  |
| #1     | 12.620   | 12.006   | -.00015 | .03683 | .01480 | .4728  | .35038 | 4.9107  |
| #2     | 12.638   | 12.046   | -.00074 | .04086 | .01521 | .4657  | .35129 | 5.0585  |

Sample Name: J5546-03      Acquired: 10/19/2018 18:40:11      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.9536  
Stddev      .0188  
%RSD      .63813

#1      2.9403  
#2      2.9669

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2228.5 | 35860. | 4457.4 | 108.30 | 2911.5 |
| Stddev    | 15.5   | 159.   | 1.5    | .91    | 8.7    |
| %RSD      | .69706 | .44216 | .03399 | .83675 | .29737 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2217.5 | 35747. | 4458.5 | 107.66 | 2905.4 |
| #2 | 2239.5 | 35972. | 4456.3 | 108.94 | 2917.6 |

Sample Name: CCV08      Acquired: 10/19/2018 18:44:16      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |         |        |          |
|--------|--------|--------|--------|--------|--------|---------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | 5.0962 | 4.6699 | 4.6782 | 5.0161 | 5.2596 | 10.470  | 9.8967 | .24528   |
| Stddev | .0073  | .0059  | .0080  | .0140  | .0173  | .059    | .1529  | .00243   |
| %RSD   | .14295 | .12697 | .17144 | .27803 | .32797 | .55986  | 1.5449 | .99228   |
| #1     | 5.1013 | 4.6741 | 4.6725 | 5.0259 | 5.2718 | 10.429  | 10.005 | .24356   |
| #2     | 5.0910 | 4.6657 | 4.6838 | 5.0062 | 5.2474 | 10.512  | 9.7886 | .24700   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | 2.2546 | 25.582 | .92923 | 2.3063 | 1.2614 | 4.7783  | 2.4173 | 23.608   |
| Stddev | .0032  | .361   | .01018 | .0016  | .0004  | .2179   | .0221  | .184     |
| %RSD   | .14116 | 1.4125 | 1.0954 | .06810 | .03131 | 4.5608  | .91292 | .78022   |
| #1     | 2.2524 | 25.837 | .92203 | 2.3052 | 1.2617 | 4.9324  | 2.4016 | 23.738   |
| #2     | 2.2569 | 25.326 | .93643 | 2.3074 | 1.2611 | 4.6242  | 2.4329 | 23.478   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | 2.3976 | 1.2236 | 22.942 | 2.3855 | 2.2702 | 24.701  | 5.1878 | 4.7047   |
| Stddev | .0017  | .0068  | .339   | .0159  | .1024  | .514    | .0031  | .0393    |
| %RSD   | .07272 | .55760 | 1.4772 | .66597 | 4.5123 | 2.0826  | .06024 | .83553   |
| #1     | 2.3989 | 1.2188 | 23.182 | 2.3743 | 2.3426 | 25.064  | 5.1856 | 4.7325   |
| #2     | 2.3964 | 1.2285 | 22.703 | 2.3967 | 2.1977 | 24.337  | 5.1900 | 4.6769   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | 4.7636 | 4.8741 | 4.5249 | 4.7877 | 4.9518 | F 4.476 | 4.7303 | F 4.3806 |
| Stddev | .0233  | .0884  | .0073  | .0393  | .0721  | .007    | .0747  | .0997    |
| %RSD   | .48799 | 1.8135 | .16024 | .82127 | 1.4560 | .1568   | 1.5792 | 2.2761   |
| #1     | 4.7472 | 4.9366 | 4.5197 | 4.8155 | 5.0028 | 4.481   | 4.7831 | 4.3101   |
| #2     | 4.7801 | 4.8116 | 4.5300 | 4.7599 | 4.9009 | 4.471   | 4.6775 | 4.4511   |

Sample Name: CCV08      Acquired: 10/19/2018 18:44:16      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.9659 |
| Stddev | .0732    |
| %RSD   | 3.7261   |

|    |        |
|----|--------|
| #1 | 2.0177 |
| #2 | 1.9141 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2356.4 | 37783. | 4460.3 | 109.68 | 3081.1 |
| Stddev    | 4.5    | 145.   | 89.0   | 5.07   | 3.9    |
| %RSD      | .19066 | .38395 | 1.9950 | 4.6264 | .12559 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2353.2 | 37886. | 4397.4 | 106.09 | 3078.4 |
| #2 | 2359.5 | 37681. | 4523.3 | 113.27 | 3083.9 |

Sample Name: CCB08      Acquired: 10/19/2018 18:48:01      Type: Unk  
Method: P4-ICP2(v2514)      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    | -.00026 | .00104  | -.00113 | -.00160 | -.00056 | -.00509 | -.00128 | -.00001  |
| Stddev | .00272  | .00101  | .00064  | .00071  | .00180  | .01016  | .00078  | .00004   |
| %RSD   | 1064.2  | 97.054  | 56.457  | 44.254  | 322.50  | 199.60  | 60.821  | 549.05   |
| #1     | .00167  | .00033  | -.00158 | -.00211 | -.00184 | -.01228 | -.00183 | -.00003  |
| #2     | -.00218 | .00176  | -.00068 | -.00110 | .00072  | .00209  | -.00073 | .00002   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00000 | -.00731 | -.00012 | -.00011 | .00007  | .00281  | -.00001 | .06438   |
| Stddev | .00005  | .01437  | .00027  | .00002  | .00006  | .00241  | .00001  | .00702   |
| %RSD   | 1206.7  | 196.47  | 234.96  | 15.871  | 85.727  | 85.682  | 50.805  | 10.902   |
| #1     | .00003  | .00285  | -.00031 | -.00009 | .00012  | .00111  | -.00002 | .06934   |
| #2     | -.00004 | -.01748 | .00008  | -.00012 | .00003  | .00451  | -.00001 | .05941   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00162  | -.00004 | -.08611 | -.00031 | -.00048 | .03936  | .00069  | -.01105  |
| Stddev | .00019  | .00037  | .00921  | .00005  | .00003  | .02820  | .00040  | .00760   |
| %RSD   | 11.777  | 1023.1  | 10.697  | 15.189  | 6.4227  | 71.664  | 58.082  | 68.796   |
| #1     | .00176  | -.00030 | -.09262 | -.00034 | -.00051 | .05930  | .00041  | -.00568  |
| #2     | .00149  | .00023  | -.07959 | -.00028 | -.00046 | .01941  | .00098  | -.01643  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00397 | -.00109 | -.00042 | .00210  | -.00060 | -.0026  | .00008  | F 2.3608 |
| Stddev | .00121  | .00055  | .00045  | .00165  | .00065  | .0034   | .00004  | .4050    |
| %RSD   | 30.428  | 50.457  | 106.85  | 78.425  | 108.83  | 131.0   | 49.937  | 17.156   |
| #1     | -.00312 | -.00148 | -.00010 | .00094  | -.00014 | -.0050  | .00010  | 2.6471   |
| #2     | -.00483 | -.00070 | -.00074 | .00327  | -.00106 | -.0002  | .00005  | 2.0744   |

Sample Name: CCB08      Acquired: 10/19/2018 18:48:01      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .53745  
Stddev      .26727  
%RSD      49.729

#1      .72643  
#2      .34846

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2461.9 | 39885. | 4508.2 | 114.87 | 3417.3 |
| Stddev    | 5.1    | 139.   | 36.1   | .80    | 9.1    |
| %RSD      | .20573 | .34971 | .80079 | .69767 | .26543 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2458.3 | 39787. | 4533.7 | 115.43 | 3410.9 |
| #2 | 2465.5 | 39984. | 4482.6 | 114.30 | 3423.7 |

Sample Name: J5202-01      Acquired: 10/19/2018 18:52:07      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PL-03-101718      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02483 | -.02638 | .10899 | -.07707 | .00946 | 237.69 | .69347 |
| Stddev | .00284 | .00138  | .00380 | .00319  | .00034 | .17    | .00198 |
| %RSD   | 11.450 | 5.2350  | 3.4899 | 4.1359  | 3.6067 | .06985 | .28532 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02282 | -.02736 | .11168 | -.07932 | .00922 | 237.81 | .69208 |
| #2 | .02684 | -.02541 | .10630 | -.07481 | .00970 | 237.58 | .69487 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00504 | .00579 | 46.137 | .21061 | .17325 | .29385 | 353.45 |
| Stddev | .00018 | .00108 | .211   | .00060 | .00216 | .00602 | 7.35   |
| %RSD   | 3.6327 | 18.632 | .45677 | .28259 | 1.2488 | 2.0479 | 2.0809 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00517 | .00655 | 45.988 | .21103 | .17478 | .29810 | 348.25 |
| #2 | .00491 | .00503 | 46.286 | .21019 | .17172 | .28959 | 358.65 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.8996 | 69.825 | .27473 | .00271 | 8.4309 | .48542 | .61649 |
| Stddev | .0162  | .391   | .00163 | .00086 | .0120  | .00286 | .01172 |
| %RSD   | .27393 | .56042 | .59389 | 31.796 | .14237 | .58937 | 1.9016 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.9111 | 69.548 | .27588 | .00210 | 8.4224 | .48744 | .60820 |
| #2 | 5.8882 | 70.102 | .27357 | .00332 | 8.4394 | .48340 | .62478 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.878 | .00288 | .09412 | 2.0204 | 1.7591 | .01651 | 4.6782 |
| Stddev | .081   | .00007 | .01243 | .0024  | .0087  | .00153 | .0004  |
| %RSD   | .63055 | 2.5093 | 13.212 | .11745 | .49279 | 9.2935 | .00784 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.821 | .00283 | .08532 | 2.0220 | 1.7530 | .01760 | 4.6779 |
| #2 | 12.936 | .00294 | .10291 | 2.0187 | 1.7652 | .01543 | 4.6785 |

Sample Name: J5202-01      Acquired: 10/19/2018 18:52:07      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PL-03-101718      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .27756 | 4.710  | .19258 | <.00000 | F<.00000 |
| Stddev | .00132 | .026   | .00118 | .38431  | .06227   |
| %RSD   | .47450 | .5477  | .61228 | 2.4062  | .06654   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .27849 | 4.728 | .19174 | -15.700 | -93.543 |
| #2 | .27663 | 4.692 | .19341 | -16.243 | -93.631 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2647.4 | 42224. | 5163.7 | 101.88 | 2862.7 |
| Stddev    | 14.2   | 50.    | 7.0    | 1.76   | 26.9   |
| %RSD      | .53494 | .11781 | .13638 | 1.7247 | .93916 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2637.4 | 42189. | 5168.7 | 103.13 | 2843.7 |
| #2 | 2657.4 | 42259. | 5158.8 | 100.64 | 2881.7 |

Sample Name: J5202-03      Acquired: 10/19/2018 18:56:06      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PL-03-101718 Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02336 | -.02757 | .11082 | -.08305 | .00707 | 223.91 | .71298 |
| Stddev | .00139 | .00112  | .00061 | .00037  | .00263 | 2.77   | .00471 |
| %RSD   | 5.9698 | 4.0652  | .55386 | .45089  | 37.146 | 1.2386 | .66025 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02434 | -.02837 | .11038 | -.08279 | .00521 | 225.87 | .70965 |
| #2 | .02237 | -.02678 | .11125 | -.08332 | .00893 | 221.95 | .71630 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00543 | .00729 | 41.414 | .20340 | .17440 | .35878 | 338.29 |
| Stddev | .00012 | .00037 | .285   | .00150 | .00323 | .00368 | 3.77   |
| %RSD   | 2.2905 | 5.1227 | .68838 | .73898 | 1.8500 | 1.0264 | 1.1132 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00534 | .00703 | 41.212 | .20447 | .17212 | .35618 | 335.63 |
| #2 | .00552 | .00755 | 41.615 | .20234 | .17668 | .36139 | 340.96 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.2963 | 68.937 | .28187 | .00134 | 4.6573 | .43655 | .60871 |
| Stddev | .0936  | .484   | .00648 | .00147 | .0065  | .00340 | .00853 |
| %RSD   | 1.4863 | .70164 | 2.2977 | 110.06 | .13846 | .77962 | 1.4010 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.3625 | 68.595 | .27729 | .00030 | 4.6528 | .43896 | .60268 |
| #2 | 6.2301 | 69.279 | .28645 | .00238 | 4.6619 | .43415 | .61474 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.645 | .00187 | .09642 | 1.8741 | 1.7851 | .01847 | 4.8505 |
| Stddev | .073   | .00061 | .01265 | .0322  | .0034  | .00156 | .0424  |
| %RSD   | .50008 | 32.735 | 13.124 | 1.7172 | .19118 | 8.4387 | .87424 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.593 | .00143 | .08747 | 1.8514 | 1.7827 | .01737 | 4.8805 |
| #2 | 14.697 | .00230 | .10537 | 1.8969 | 1.7875 | .01957 | 4.8205 |

Sample Name: J5202-03      Acquired: 10/19/2018 18:56:06      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PL-03-101718      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .27444 | 4.707  | .22678 | <.00000 | F<.00000 |
| Stddev | .00114 | .068   | .00171 | .38258  | 1.1798   |
| %RSD   | .41655 | 1.434  | .75618 | 2.3058  | 1.2699   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .27525 | 4.659 | .22557 | -16.322 | -92.076 |
| #2 | .27364 | 4.755 | .22800 | -16.863 | -93.745 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2678.0 | 42654. | 5282.0 | 106.49 | 2876.1 |
| Stddev    | 15.2   | 689.   | 6.6    | .92    | 28.1   |
| %RSD      | .56677 | 1.6149 | .12472 | .86165 | .97598 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2688.7 | 42167. | 5286.6 | 107.14 | 2895.9 |
| #2 | 2667.3 | 43142. | 5277.3 | 105.84 | 2856.2 |

Sample Name: J5202-05      Acquired: 10/19/2018 19:00:06      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PL-03-101718      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02702 | -.02556 | .12993 | -.08176 | .00692 | 229.54 | .72463 |
| Stddev | .00116 | .00043  | .00016 | .00264  | .00074 | .32    | .00813 |
| %RSD   | 4.2993 | 1.6905  | .12535 | 3.2293  | 10.721 | .14001 | 1.1215 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02784 | -.02587 | .12981 | -.07989 | .00639 | 229.77 | .73038 |
| #2 | .02620 | -.02526 | .13004 | -.08363 | .00744 | 229.31 | .71888 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00559 | .00713 | 45.471 | .21153 | .17095 | .28755 | 344.98 |
| Stddev | .00013 | .00040 | .671   | .00212 | .00095 | .00108 | 7.51   |
| %RSD   | 2.3598 | 5.5977 | 1.4750 | 1.0038 | .55360 | .37467 | 2.1758 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00569 | .00685 | 45.946 | .21003 | .17162 | .28679 | 350.29 |
| #2 | .00550 | .00741 | 44.997 | .21303 | .17028 | .28831 | 339.67 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.7653 | 67.308 | .26840 | .00135 | 4.7237 | .43143 | .75912 |
| Stddev | .0065  | .685   | .00207 | .00109 | .0571  | .00207 | .01834 |
| %RSD   | .11302 | 1.0179 | .77006 | 80.763 | 1.2095 | .48004 | 2.4162 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.7699 | 67.793 | .26986 | .00213 | 4.7641 | .42997 | .77209 |
| #2 | 5.7607 | 66.824 | .26694 | .00058 | 4.6833 | .43290 | .74615 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.285 | .00330 | .16750 | 1.7264 | 2.0740 | .02624 | 4.5986 |
| Stddev | .174   | .00028 | .01123 | .0205  | .0346  | .00143 | .0341  |
| %RSD   | 1.3063 | 8.5010 | 6.7047 | 1.1905 | 1.6686 | 5.4439 | .74071 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.408 | .00350 | .17544 | 1.7409 | 2.0984 | .02725 | 4.6227 |
| #2 | 13.162 | .00310 | .15956 | 1.7118 | 2.0495 | .02523 | 4.5745 |

Sample Name: J5202-05      Acquired: 10/19/2018 19:00:06      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PL-03-101718      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .26717 | 5.028  | .21693 | <.00000 | F<.00000 |
| Stddev | .00117 | .032   | .00305 | .11935  | .32298   |
| %RSD   | .43898 | .6346  | 1.4074 | .72803  | .34981   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .26800 | 5.051 | .21909 | -16.478 | -92.558 |
| #2 | .26634 | 5.006 | .21477 | -16.310 | -92.102 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2662.1 | 42370. | 5141.5 | 106.05 | 2902.0 |
| Stddev    | 28.3   | 92.    | 64.1   | 2.66   | 34.5   |
| %RSD      | 1.0634 | .21753 | 1.2469 | 2.5060 | 1.1887 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2642.1 | 42305. | 5096.2 | 104.17 | 2877.6 |
| #2 | 2682.1 | 42435. | 5186.9 | 107.93 | 2926.4 |

Sample Name: J5204-05      Acquired: 10/19/2018 19:04:06      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-03-101718      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02918 | -.03463 | .38431 | -.04742 | .00540 | 134.61 | .58067 |
| Stddev | .00208 | .00490  | .00008 | .00378  | .00411 | .84    | .00149 |
| %RSD   | 7.1205 | 14.150  | .01970 | 7.9651  | 76.147 | .62689 | .25603 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02771 | -.03117 | .38425 | -.04475 | .00831 | 134.01 | .58172 |
| #2 | .03065 | -.03810 | .38436 | -.05009 | .00249 | 135.21 | .57961 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00421 | .00816 | 57.268 | .18442 | .17113 | .19223 | 373.00 |
| Stddev | .00024 | .00030 | .056   | .00113 | .00039 | .00403 | 1.44   |
| %RSD   | 5.7867 | 3.7170 | .09859 | .61209 | .23017 | 2.0989 | .38656 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00403 | .00795 | 57.228 | .18363 | .17085 | .18938 | 374.02 |
| #2 | .00438 | .00838 | 57.307 | .18522 | .17141 | .19508 | 371.98 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.0374 | 41.328 | .22085 | .00913 | 6.8721 | .53964 | .74929 |
| Stddev | .0117  | .196   | .00058 | .00070 | .0537  | .00006 | .00669 |
| %RSD   | .28916 | .47413 | .26109 | 7.6812 | .78149 | .01141 | .89258 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.0291 | 41.467 | .22044 | .00963 | 6.9100 | .53969 | .75402 |
| #2 | 4.0456 | 41.190 | .22126 | .00864 | 6.8341 | .53960 | .74457 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.4582 | .00265 | .20976 | 4.1633 | 1.3478 | .03381 | 5.6281 |
| Stddev | .0454  | .00025 | .00501 | .0163  | .0273  | .00117 | .0097  |
| %RSD   | .47985 | 9.4976 | 2.3884 | .39253 | 2.0290 | 3.4711 | .17249 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.4903 | .00247 | .21330 | 4.1517 | 1.3671 | .03298 | 5.6350 |
| #2 | 9.4261 | .00283 | .20622 | 4.1748 | 1.3284 | .03464 | 5.6213 |

Sample Name: J5204-05      Acquired: 10/19/2018 19:04:06      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SU-03-101718      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |          |
|--------|--------|---------|--------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .13732 | F 12.47 | .17388 | <.00000 | F<.00000 |
| Stddev | .00048 | .04     | .00041 | .13718  | 1.0301   |
| %RSD   | .35091 | .3294   | .23714 | .68043  | .95943   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .13766 | 12.44 | .17417 | -20.064 | -108.09 |
| #2 | .13698 | 12.49 | .17359 | -20.258 | -106.64 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3264.6 | 52698. | 6397.3 | 106.51 | 2883.6 |
| Stddev    | 20.2   | 60.    | 43.6   | .92    | 2.6    |
| %RSD      | .61963 | .11478 | .68223 | .86793 | .09009 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3278.9 | 52741. | 6366.5 | 105.86 | 2881.7 |
| #2 | 3250.3 | 52655. | 6428.2 | 107.17 | 2885.4 |

Sample Name: J5204-07      Acquired: 10/19/2018 19:08:02      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-03-101718      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02960 | -.04106 | .46790 | -.06947 | .00862 | 189.11 | .77743 |
| Stddev | .00259 | .00205  | .00017 | .00189  | .00002 | 1.78   | .00171 |
| %RSD   | 8.7368 | 5.0011  | .03687 | 2.7173  | .26726 | .94323 | .21949 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02777 | -.04252 | .46777 | -.07080 | .00863 | 187.85 | .77622 |
| #2 | .03143 | -.03961 | .46802 | -.06813 | .00860 | 190.38 | .77863 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00670 | .00946 | 33.926 | .28687 | .21612 | .24293 | 445.11 |
| Stddev | .00003 | .00145 | .073   | .00045 | .00013 | .00878 | 11.91  |
| %RSD   | .39594 | 15.297 | .21474 | .15825 | .06196 | 3.6128 | 2.6754 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00668 | .01049 | 33.874 | .28655 | .21622 | .24914 | 436.69 |
| #2 | .00672 | .00844 | 33.977 | .28719 | .21603 | .23673 | 453.53 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.4689 | 42.097 | .28316 | .00486 | 10.173 | .79983 | .93597 |
| Stddev | .0091  | .108   | .00235 | .00078 | .023   | .00057 | .01814 |
| %RSD   | .16640 | .25738 | .82865 | 15.963 | .22974 | .07118 | 1.9381 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.4625 | 42.174 | .28150 | .00431 | 10.157 | .80024 | .92314 |
| #2 | 5.4753 | 42.021 | .28481 | .00541 | 10.190 | .79943 | .94880 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.2277 | .00245 | .06031 | 3.0442 | 1.4524 | .03826 | 7.3197 |
| Stddev | .0311  | .00015 | .01555 | .0001  | .0024  | .00096 | .0080  |
| %RSD   | .37749 | 6.0291 | 25.777 | .00418 | .16212 | 2.5031 | .10866 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.2057 | .00235 | .04932 | 3.0443 | 1.4508 | .03758 | 7.3141 |
| #2 | 8.2496 | .00256 | .07130 | 3.0441 | 1.4541 | .03894 | 7.3254 |

Sample Name: J5204-07      Acquired: 10/19/2018 19:08:02      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SU-03-101718      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .17526 | 6.508  | .17670 | <.00000 | F<.00000 |
| Stddev | .00108 | .017   | .00075 | .39599  | 1.5372   |
| %RSD   | .61804 | .2640  | .42413 | 1.7919  | 1.0581   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .17603 | 6.496 | .17617 | -22.379 | -144.18 |
| #2 | .17450 | 6.520 | .17723 | -21.819 | -146.36 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2983.1 | 47636. | 5840.7 | 107.95 | 2916.2 |
| Stddev    | 1.3    | 37.    | 28.2   | 2.16   | 5.4    |
| %RSD      | .04281 | .07680 | .48277 | 2.0021 | .18523 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2982.1 | 47662. | 5820.8 | 109.48 | 2920.0 |
| #2 | 2984.0 | 47610. | 5860.6 | 106.42 | 2912.4 |

Sample Name: J5195-03      Acquired: 10/19/2018 19:11:59      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .11443 | -.02610 | 9.3408 | -.06231 | .02155 | 119.45 | 3.7678 |
| Stddev | .00336 | .00446  | .0056  | .00036  | .00194 | .93    | .0229  |
| %RSD   | 2.9322 | 17.094  | .06003 | .56979  | 9.0139 | .78035 | .60767 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .11680 | -.02925 | 9.3448 | -.06256 | .02292 | 120.11 | 3.7840 |
| #2 | .11206 | -.02294 | 9.3368 | -.06206 | .02018 | 118.79 | 3.7517 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00644 | .01750 | 480.45 | .20838 | .19171 | 1.1523 | 345.45 |
| Stddev | .00041 | .00019 | 2.66   | .00369 | .00023 | .0026  | .37    |
| %RSD   | 6.3510 | 1.0894 | .55465 | 1.7686 | .11794 | .22787 | .10734 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00673 | .01763 | 482.34 | .21099 | .19187 | 1.1542 | 345.19 |
| #2 | .00615 | .01736 | 478.57 | .20577 | .19155 | 1.1505 | 345.72 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.6239 | 53.978 | .27983 | .00267 | 17.322 | .44303 | 4.4956 |
| Stddev | .0077  | .191   | .00087 | .00039 | .143   | .00315 | .0264  |
| %RSD   | .21305 | .35461 | .31068 | 14.438 | .82607 | .71044 | .58775 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.6294 | 54.113 | .28045 | .00240 | 17.423 | .44525 | 4.4769 |
| #2 | 3.6185 | 53.843 | .27922 | .00294 | 17.221 | .44080 | 4.5143 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 15.820 | .01393 | .85485 | F 15.744 | 3.2836 | .28634 | 4.4960 |
| Stddev | .076   | .00045 | .00096 | .017     | .0422  | .00034 | .0024  |
| %RSD   | .48175 | 3.2089 | .11237 | .10952   | 1.2845 | .11763 | .05267 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.874 | .01425 | .85417 | 15.756 | 3.3134 | .28658 | 4.4943 |
| #2 | 15.766 | .01362 | .85553 | 15.732 | 3.2538 | .28610 | 4.4977 |

Sample Name: J5195-03      Acquired: 10/19/2018 19:11:59      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: JC-02-101818      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .17153 | 7.996  | 1.8594 | <.00000 | F<.00000 |
| Stddev | .00138 | .001   | .0138  | .50369  | .45347   |
| %RSD   | .80167 | .0150  | .74360 | 7.2897  | .53624   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .17250 | 7.997 | 1.8692 | -7.2657 | -84.886 |
| #2 | .17056 | 7.995 | 1.8497 | -6.5534 | -84.245 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2611.1 | 41681. | 5195.1 | 102.96 | 2704.4 |
| Stddev    | 6.5    | 127.   | 10.5   | .48    | 7.6    |
| %RSD      | .25010 | .30524 | .20250 | .46940 | .28026 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2606.5 | 41591. | 5187.7 | 103.30 | 2699.1 |
| #2 | 2615.8 | 41771. | 5202.5 | 102.62 | 2709.8 |

Sample Name: J5195-03DUP      Acquired: 10/19/2018 19:15:50      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818 Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .11292 | -.02955 | 9.3132 | -.06323 | .01904 | 119.58 | 3.7620 |
| Stddev | .00154 | .00034  | .0022  | .00357  | .00206 | .05    | .0224  |
| %RSD   | 1.3628 | 1.1537  | .02406 | 5.6518  | 10.801 | .03895 | .59619 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .11183 | -.02979 | 9.3148 | -.06071 | .02050 | 119.62 | 3.7461 |
| #2 | .11401 | -.02931 | 9.3117 | -.06576 | .01759 | 119.55 | 3.7778 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00640 | .01775 | 486.79 | .21064 | .19118 | 1.1605 | 342.12 |
| Stddev | .00015 | .00034 | 1.97   | .00079 | .00032 | .0025  | 4.80   |
| %RSD   | 2.3943 | 1.9385 | .40558 | .37425 | .16679 | .21694 | 1.4025 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00651 | .01799 | 485.40 | .21008 | .19140 | 1.1587 | 338.73 |
| #2 | .00629 | .01751 | 488.19 | .21120 | .19095 | 1.1623 | 345.52 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.6317 | 54.114 | .27985 | .00260 | 17.325 | .44749 | 4.4623 |
| Stddev | .0035  | .208   | .00050 | .00041 | .096   | .00637 | .0645  |
| %RSD   | .09557 | .38472 | .17850 | 15.758 | .55375 | 1.4234 | 1.4450 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.6292 | 53.966 | .28020 | .00289 | 17.257 | .44299 | 4.4167 |
| #2 | 3.6341 | 54.261 | .27950 | .00231 | 17.393 | .45200 | 4.5079 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 15.892 | .01407 | .81813 | F 15.784 | 3.1653 | .28921 | 4.5068 |
| Stddev | .092   | .00031 | .01488 | .022     | .0848  | .00080 | .0012  |
| %RSD   | .57847 | 2.2300 | 1.8191 | .14021   | 2.6781 | .27605 | .02648 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.827 | .01429 | .80760 | 15.768 | 3.1053 | .28977 | 4.5076 |
| #2 | 15.957 | .01385 | .82865 | 15.799 | 3.2252 | .28864 | 4.5059 |

Sample Name: J5195-03DUP      Acquired: 10/19/2018 19:15:50      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818 Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .17159 | 7.973  | 1.8663 | <.00000 | F<.00000 |
| Stddev | .00021 | .008   | .0130  | .81037  | .59412   |
| %RSD   | .11961 | .1035  | .69643 | 12.912  | .69859   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .17173 | 7.967 | 1.8571 | -5.7031 | -84.626 |
| #2 | .17144 | 7.979 | 1.8755 | -6.8492 | -85.467 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2605.3 | 41495. | 5156.0 | 103.54 | 2703.4 |
| Stddev    | 1.0    | 59.    | 31.9   | 1.29   | 5.1    |
| %RSD      | .03860 | .14242 | .61960 | 1.2491 | .18889 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2606.0 | 41537. | 5178.6 | 104.45 | 2699.8 |
| #2 | 2604.6 | 41453. | 5133.4 | 102.63 | 2707.1 |

Sample Name: J5195-03LX5      Acquired: 10/19/2018 19:19:41      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7587      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02865 | -.00474 | 1.8565 | -.01803 | .00104 | 25.149 | .82800 | .00056 |
| Stddev | .00003 | .00176  | .0150  | .00297  | .00078 | .282   | .00667 | .00003 |
| %RSD   | .10126 | 37.203  | .80736 | 16.479  | 74.884 | 1.1222 | .80545 | 5.6743 |
| #1     | .02867 | -.00349 | 1.8459 | -.02013 | .00159 | 24.950 | .83272 | .00054 |
| #2     | .02863 | -.00598 | 1.8671 | -.01593 | .00049 | 25.349 | .82329 | .00058 |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00232 | 110.50  | .04967 | .03684  | .28775 | 67.868 | .85412 | 12.794 |
| Stddev | .00015 | .65     | .00079 | .00062  | .00198 | .302   | .00332 | .043   |
| %RSD   | 6.3878 | .58562  | 1.5947 | 1.6900  | .68790 | .44479 | .38850 | .33712 |
| #1     | .00221 | 110.96  | .04911 | .03640  | .28635 | 68.081 | .85177 | 12.764 |
| #2     | .00242 | 110.05  | .05023 | .03728  | .28915 | 67.654 | .85647 | 12.825 |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05551 | -.00136 | 3.7152 | .10495  | .91338 | 3.4928 | .00304 | .17069 |
| Stddev | .00032 | .00052  | .0053  | .00077  | .00494 | .0055  | .00021 | .00367 |
| %RSD   | .57876 | 38.385  | .14385 | .73540  | .54099 | .15854 | 6.8295 | 2.1481 |
| #1     | .05528 | -.00173 | 3.7190 | .10440  | .91687 | 3.4889 | .00318 | .17328 |
| #2     | .05574 | -.00099 | 3.7114 | .10550  | .90988 | 3.4967 | .00289 | .16810 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.9100 | .76558  | .05958 | 1.0248  | .03567 | 1.500  | .41980 | 1.3760 |
| Stddev | .0196  | .00030  | .00016 | .0020   | .00090 | .013   | .00335 | .0355  |
| %RSD   | .67226 | .03980  | .27063 | .19357  | 2.5133 | .8449  | .79756 | 2.5782 |
| #1     | 2.8962 | .76537  | .05970 | 1.0234  | .03631 | 1.491  | .42217 | 1.3509 |
| #2     | 2.9239 | .76580  | .05947 | 1.0262  | .03504 | 1.509  | .41744 | 1.4011 |

Sample Name: J5195-03LX5      Acquired: 10/19/2018 19:19:41      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA7587      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .06762 |
| Stddev | .29346 |
| %RSD   | 434.02 |

|    |         |
|----|---------|
| #1 | -.13989 |
| #2 | .27513  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2434.0 | 39136. | 4638.2 | 110.29 | 3075.4 |
| Stddev    | 6.3    | 132.   | 60.4   | 1.19   | 3.0    |
| %RSD      | .25960 | .33700 | 1.3013 | 1.0818 | .09779 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2429.5 | 39229. | 4595.5 | 109.45 | 3073.3 |
| #2 | 2438.4 | 39043. | 4680.9 | 111.14 | 3077.5 |

Sample Name: J5195-03MS      Acquired: 10/19/2018 19:23:37      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .11598 | -.02756 | 9.3030 | -.06873 | .01879 | 119.37 | 3.7781 |
| Stddev | .00409 | .00357  | .0309  | .00214  | .00161 | .43    | .0034  |
| %RSD   | 3.5275 | 12.945  | .33203 | 3.1066  | 8.5870 | .36225 | .08913 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .11309 | -.03008 | 9.3249 | -.07024 | .01765 | 119.68 | 3.7758 |
| #2 | .11887 | -.02504 | 9.2812 | -.06722 | .01993 | 119.06 | 3.7805 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00634 | .01772 | 497.30 | .20971 | .19210 | 1.1809 | 348.46 |
| Stddev | .00035 | .00049 | 3.90   | .00204 | .00010 | .0027  | .78    |
| %RSD   | 5.5326 | 2.7488 | .78440 | .97342 | .05440 | .23166 | .22315 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00609 | .01807 | 494.54 | .21116 | .19218 | 1.1828 | 349.01 |
| #2 | .00659 | .01738 | 500.06 | .20827 | .19203 | 1.1790 | 347.91 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.6426 | 56.304 | .28131 | .00315 | 17.658 | .45957 | 4.5431 |
| Stddev | .0363  | .442   | .00055 | .00061 | .038   | .00628 | .0110  |
| %RSD   | .99636 | .78528 | .19634 | 19.332 | .21353 | 1.3659 | .24116 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.6683 | 55.991 | .28170 | .00272 | 17.631 | .46401 | 4.5508 |
| #2 | 3.6169 | 56.617 | .28092 | .00358 | 17.685 | .45513 | 4.5353 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 16.161 | .01418 | .82820 | F 15.918 | 3.4413 | .29715 | 4.5920 |
| Stddev | .037   | .00075 | .01165 | .034     | .0716  | .00070 | .0077  |
| %RSD   | .23158 | 5.2618 | 1.4064 | .21443   | 2.0793 | .23705 | .16792 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.135 | .01365 | .83644 | 15.942 | 3.4919 | .29665 | 4.5866 |
| #2 | 16.188 | .01470 | .81996 | 15.893 | 3.3907 | .29764 | 4.5975 |

Sample Name: J5195-03MS      Acquired: 10/19/2018 19:23:37      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: JC-02-101818      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .17342 | 8.041  | 1.9160 | <.00000 | F<.00000 |
| Stddev | .00352 | .036   | .0048  | .08423  | .73744   |
| %RSD   | 2.0293 | .4474  | .25179 | 1.3422  | .86251   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .17093 | 8.067 | 1.9126 | -6.2162 | -86.020 |
| #2 | .17591 | 8.016 | 1.9194 | -6.3353 | -84.977 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2587.2 | 41620. | 5100.3 | 102.57 | 2685.5 |
| Stddev    | 16.7   | 250.   | 9.9    | .49    | 14.7   |
| %RSD      | .64453 | .60014 | .19472 | .47793 | .54799 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2575.4 | 41444. | 5107.3 | 102.22 | 2675.1 |
| #2 | 2599.0 | 41797. | 5093.3 | 102.92 | 2695.9 |

Sample Name: J5195-03MSD      Acquired: 10/19/2018 19:27:27      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .11467 | -.02759 | 9.3689 | -.06453 | .01954 | 122.07 | 3.7039 |
| Stddev | .00098 | .00382  | .0467  | .00234  | .00101 | 1.44   | .0020  |
| %RSD   | .85814 | 13.845  | .49863 | 3.6252  | 5.1646 | 1.1825 | .05497 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .11397 | -.02489 | 9.3358 | -.06287 | .01883 | 123.09 | 3.7053 |
| #2 | .11536 | -.03029 | 9.4019 | -.06618 | .02026 | 121.05 | 3.7024 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00643 | .01815 | 486.47 | .21430 | .19304 | 1.1869 | 345.60 |
| Stddev | .00006 | .00055 | .71    | .00318 | .00062 | .0076  | 2.53   |
| %RSD   | 1.0105 | 3.0493 | .14494 | 1.4861 | .32011 | .64295 | .73118 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00639 | .01776 | 486.97 | .21655 | .19261 | 1.1815 | 347.39 |
| #2 | .00648 | .01854 | 485.97 | .21205 | .19348 | 1.1923 | 343.81 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.7359 | 55.472 | .28454 | .00165 | 17.254 | .46864 | 4.5205 |
| Stddev | .0477  | .150   | .00112 | .00013 | .036   | .00653 | .0290  |
| %RSD   | 1.2760 | .26984 | .39299 | 8.0345 | .20998 | 1.3943 | .64089 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.7696 | 55.578 | .28375 | .00156 | 17.279 | .47326 | 4.5410 |
| #2 | 3.7022 | 55.366 | .28533 | .00174 | 17.228 | .46402 | 4.5001 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 15.844 | .01497 | .81595 | F 16.002 | 3.3180 | .30039 | 4.5162 |
| Stddev | .014   | .00055 | .00316 | .100     | .0164  | .00253 | .0472  |
| %RSD   | .09128 | 3.7065 | .38743 | .62202   | .49431 | .84171 | 1.0442 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.854 | .01536 | .81371 | 15.932 | 3.3296 | .29860 | 4.5495 |
| #2 | 15.834 | .01458 | .81818 | 16.073 | 3.3064 | .30217 | 4.4828 |

Sample Name: J5195-03MSD      Acquired: 10/19/2018 19:27:27      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818 Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .17033 | 8.063  | 1.8765 | <.00000 | F<.00000 |
| Stddev | .00180 | .041   | .0011  | .14028  | .22074   |
| %RSD   | 1.0563 | .5064  | .05844 | 2.1005  | .25917   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .17160 | 8.034 | 1.8772 | -6.5791 | -85.327 |
| #2 | .16906 | 8.092 | 1.8757 | -6.7775 | -85.015 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2569.8 | 40512. | 5182.8 | 102.87 | 2665.1 |
| Stddev    | 12.0   | 447.   | 4.3    | .67    | 13.7   |
| %RSD      | .46679 | 1.1041 | .08333 | .65367 | .51583 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2578.3 | 40196. | 5185.9 | 102.39 | 2674.8 |
| #2 | 2561.3 | 40829. | 5179.8 | 103.34 | 2655.3 |

Sample Name: CCV09      Acquired: 10/19/2018 19:31:18      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14026      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1303 | 4.7838 | 4.7610 | 5.0909 | 5.3064 | 10.748 | 9.9605 | .24729   |
| Stddev | .0124  | .0124  | .0268  | .0183  | .0135  | .005   | .1539  | .00048   |
| %RSD   | .24179 | .25830 | .56374 | .35996 | .25494 | .04934 | 1.5449 | .19376   |
| #1     | 5.1391 | 4.7925 | 4.7800 | 5.1038 | 5.3159 | 10.751 | 10.069 | .24763   |
| #2     | 5.1216 | 4.7751 | 4.7420 | 5.0779 | 5.2968 | 10.744 | 9.8517 | .24695   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.2986 | 26.268 | .94873 | 2.3454 | 1.2854 | 5.0389 | 2.4424 | 23.702   |
| Stddev | .0083  | .056   | .00103 | .0095  | .0030  | .0919  | .0043  | .245     |
| %RSD   | .36162 | .21286 | .10879 | .40566 | .23183 | 1.8239 | .17638 | 1.0324   |
| #1     | 2.3045 | 26.228 | .94946 | 2.3521 | 1.2875 | 5.1039 | 2.4454 | 23.875   |
| #2     | 2.2927 | 26.307 | .94800 | 2.3387 | 1.2833 | 4.9739 | 2.4394 | 23.529   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4578 | 1.2305 | 23.233 | 2.4317 | 2.3580 | 24.824 | 5.2075 | 4.7361   |
| Stddev | .0133  | .0041  | .331   | .0051  | .0268  | .235   | .0001  | .0551    |
| %RSD   | .54012 | .33452 | 1.4241 | .21156 | 1.1374 | .94742 | .00104 | 1.1624   |
| #1     | 2.4672 | 1.2334 | 23.467 | 2.4353 | 2.3770 | 24.990 | 5.2075 | 4.7750   |
| #2     | 2.4484 | 1.2276 | 22.999 | 2.4280 | 2.3390 | 24.658 | 5.2074 | 4.6972   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8516 | 4.8769 | 4.6002 | 4.8156 | 5.0055 | 4.605  | 4.7656 | F 4.4501 |
| Stddev | .0103  | .0266  | .0164  | .0458  | .0688  | .013   | .0774  | .0420    |
| %RSD   | .21319 | .54441 | .35728 | .95037 | 1.3736 | .2894  | 1.6236 | .94340   |
| #1     | 4.8589 | 4.8956 | 4.6118 | 4.8479 | 5.0541 | 4.615  | 4.8204 | 4.4204   |
| #2     | 4.8442 | 4.8581 | 4.5886 | 4.7832 | 4.9569 | 4.596  | 4.7109 | 4.4797   |

Sample Name: CCV09      Acquired: 10/19/2018 19:31:18      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14026      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 1.9461  
 Stddev      .2788  
 %RSD      14.328

#1      2.1433  
 #2      1.7489

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2345.7 | 37335. | 4434.8 | 106.38 | 3038.1 |
| Stddev    | 9.2    | 175.   | 31.6   | 1.49   | 20.3   |
| %RSD      | .39174 | .46978 | .71148 | 1.4042 | .66660 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2339.2 | 37211. | 4412.5 | 105.33 | 3023.8 |
| #2 | 2352.1 | 37460. | 4457.1 | 107.44 | 3052.5 |

Sample Name: CCB09      Acquired: 10/19/2018 19:35:03      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14026      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00094  | .00121  | -.00202 | -.00019 | -.00134 | -.00977 | -.00074 | -.00005  |
| Stddev | .00119  | .00200  | .00065  | .00310  | .00189  | .01750  | .00119  | .00010   |
| %RSD   | 126.80  | 165.68  | 32.366  | 1618.3  | 140.40  | 179.04  | 161.52  | 199.09   |
| #1     | .00179  | -.00021 | -.00156 | -.00239 | -.00001 | -.02215 | -.00158 | .00002   |
| #2     | .00010  | .00263  | -.00249 | .00200  | -.00268 | .00260  | .00011  | -.00012  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00002  | -.01835 | -.00013 | .00004  | -.00029 | .00510  | .00004  | .01862   |
| Stddev | .00008  | .01652  | .00068  | .00002  | .00053  | .01029  | .00001  | .01446   |
| %RSD   | 428.47  | 90.005  | 538.95  | 44.400  | 186.51  | 201.80  | 30.045  | 77.646   |
| #1     | -.00004 | -.00667 | .00036  | .00006  | -.00066 | -.00218 | .00004  | .00840   |
| #2     | .00008  | -.03003 | -.00061 | .00003  | .00009  | .01238  | .00003  | .02885   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00182  | -.00002 | -.13235 | -.00001 | -.00050 | .04006  | .00088  | -.00229  |
| Stddev | .00001  | .00036  | .01407  | .00026  | .00012  | .00725  | .00023  | .00486   |
| %RSD   | .80744  | 2342.7  | 10.629  | 2441.1  | 23.841  | 18.103  | 26.423  | 212.50   |
| #1     | .00181  | -.00027 | -.14230 | -.00020 | -.00059 | .03493  | .00105  | .00115   |
| #2     | .00183  | .00024  | -.12241 | .00018  | -.00042 | .04519  | .00072  | -.00573  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00404  | .00057  | -.00027 | .00212  | -.00152 | .0011   | .00006  | F 2.7290 |
| Stddev | .00240  | .00164  | .00032  | .00068  | .00121  | .0004   | .00002  | .4313    |
| %RSD   | 59.397  | 285.11  | 119.62  | 32.021  | 79.881  | 40.48   | 34.330  | 15.803   |
| #1     | .00574  | .00173  | -.00004 | .00164  | -.00066 | .0008   | .00005  | 3.0339   |
| #2     | .00234  | -.00058 | -.00050 | .00260  | -.00238 | .0014   | .00008  | 2.4240   |

Sample Name: CCB09      Acquired: 10/19/2018 19:35:03      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14026      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .07745 |
| Stddev | .04809   |
| %RSD   | 62.092   |

|    |        |
|----|--------|
| #1 | .04344 |
| #2 | .11145 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2466.5 | 39089. | 4385.5 | 109.45 | 3382.6 |
| Stddev    | 10.4   | 408.   | 102.4  | 4.15   | .3     |
| %RSD      | .42289 | 1.0448 | 2.3344 | 3.7954 | .01002 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2459.1 | 38801. | 4457.8 | 112.39 | 3382.4 |
| #2 | 2473.9 | 39378. | 4313.1 | 106.52 | 3382.9 |

Sample Name: J5195-03A      Acquired: 10/19/2018 19:39:09      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7587      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .11762 | -.02680 | 9.2583 | -.05736 | .01994 | 119.09 | 3.6624 |
| Stddev | .00727 | .00068  | .0949  | .00013  | .00054 | 1.61   | .0132  |
| %RSD   | 6.1830 | 2.5482  | 1.0249 | .21812  | 2.7172 | 1.3478 | .36047 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .12276 | -.02728 | 9.3254 | -.05745 | .01956 | 117.95 | 3.6530 |
| #2 | .11247 | -.02631 | 9.1912 | -.05727 | .02032 | 120.22 | 3.6717 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00643 | .01754 | 481.81 | .21271 | .19132 | 1.1768 | 345.49 |
| Stddev | .00032 | .00091 | 2.90   | .00473 | .00228 | .0140  | 3.67   |
| %RSD   | 4.9243 | 5.1723 | .60241 | 2.2218 | 1.1893 | 1.1885 | 1.0633 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00621 | .01818 | 479.76 | .20937 | .19293 | 1.1866 | 342.89 |
| #2 | .00666 | .01690 | 483.86 | .21605 | .18971 | 1.1669 | 348.09 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.6626 | 54.781 | .28203 | .00135 | 17.175 | .46448 | 4.4994 |
| Stddev | .0515  | .305   | .00346 | .00055 | .046   | .00792 | .0295  |
| %RSD   | 1.4051 | .55680 | 1.2280 | 40.698 | .26923 | 1.7059 | .65546 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.6262 | 54.566 | .28447 | .00173 | 17.143 | .45887 | 4.4785 |
| #2 | 3.6990 | 54.997 | .27958 | .00096 | 17.208 | .47008 | 4.5202 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 15.657 | .01439 | .82360 | F 15.816 | 3.2711 | .29732 | 4.4695 |
| Stddev | .023   | .00050 | .01103 | .180     | .0529  | .00606 | .0304  |
| %RSD   | .14506 | 3.4561 | 1.3394 | 1.1406   | 1.6182 | 2.0375 | .68068 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.641 | .01474 | .81580 | 15.943 | 3.2337 | .30160 | 4.4480 |
| #2 | 15.673 | .01403 | .83140 | 15.688 | 3.3085 | .29303 | 4.4910 |

Sample Name: J5195-03A      Acquired: 10/19/2018 19:39:09      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB7587      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .16733 | 8.034  | 1.8599 | <.00000 | F<.00000 |
| Stddev | .00278 | .085   | .0063  | .07658  | .96028   |
| %RSD   | 1.6637 | 1.063  | .33876 | 1.1925  | 1.1405   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .16536 | 8.095 | 1.8555 | -6.4760 | -83.520 |
| #2 | .16930 | 7.974 | 1.8644 | -6.3677 | -84.878 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2608.6 | 41674. | 5256.8 | 103.63 | 2703.1 |
| Stddev    | 16.3   | 419.   | 13.2   | .96    | 21.1   |
| %RSD      | .62547 | 1.0058 | .25169 | .93079 | .77966 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2597.0 | 41971. | 5266.1 | 104.32 | 2688.2 |
| #2 | 2620.1 | 41378. | 5247.4 | 102.95 | 2718.0 |

Sample Name: J5195-05      Acquired: 10/19/2018 19:43:00      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .12863 | -.02981 | 8.8322 | -.05277 | .02542 | 132.02 | 3.5598 |
| Stddev | .00018 | .00021  | .0385  | .00126  | .00165 | .50    | .0052  |
| %RSD   | .14153 | .72094  | .43631 | 2.3876  | 6.4837 | .37651 | .14709 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .12850 | -.02996 | 8.8595 | -.05366 | .02659 | 131.67 | 3.5635 |
| #2 | .12876 | -.02966 | 8.8050 | -.05188 | .02426 | 132.37 | 3.5561 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00606 | .02051 | 663.39 | .21988 | .19830 | 1.5846 | 331.90 |
| Stddev | .00014 | .00045 | 4.04   | .00134 | .00015 | .0110  | 2.96   |
| %RSD   | 2.2882 | 2.1966 | .60838 | .61116 | .07721 | .69072 | .89197 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00596 | .02083 | 660.54 | .21893 | .19841 | 1.5924 | 329.80 |
| #2 | .00616 | .02020 | 666.25 | .22083 | .19819 | 1.5769 | 333.99 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.0471 | 73.930 | .28861 | .00315 | 22.407 | .53729 | 4.8798 |
| Stddev | .0094  | .041   | .00132 | .00085 | .044   | .00078 | .0520  |
| %RSD   | .23262 | .05581 | .45866 | 26.905 | .19776 | .14609 | 1.0645 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.0404 | 73.959 | .28954 | .00255 | 22.439 | .53674 | 4.8431 |
| #2 | 4.0537 | 73.901 | .28767 | .00375 | 22.376 | .53785 | 4.9166 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 19.856 | .01293 | .63763 | F 18.339 | 2.5834 | .32251 | 5.0372 |
| Stddev | .011   | .00053 | .00107 | .014     | .0382  | .00154 | .0071  |
| %RSD   | .05722 | 4.1101 | .16727 | .07599   | 1.4775 | .47807 | .14043 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 19.864 | .01256 | .63687 | 18.349 | 2.5564 | .32360 | 5.0422 |
| #2 | 19.848 | .01331 | .63838 | 18.329 | 2.6104 | .32142 | 5.0322 |

Sample Name: J5195-05      Acquired: 10/19/2018 19:43:00      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: JC-02-101818      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .17428 | 9.153  | 2.5296 | <.00000 | F<.00000 |
| Stddev | .00103 | .006   | .0065  | .48866  | .36709   |
| %RSD   | .59234 | .0678  | .25542 | 70.519  | .49988   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .17355 | 9.157 | 2.5342 | -.34742 | -73.176 |
| #2 | .17501 | 9.149 | 2.5251 | -1.0385 | -73.695 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2547.1 | 40571. | 5143.2 | 99.884 | 2608.0 |
| Stddev    | 13.2   | 24.    | 2.2    | .856   | 16.5   |
| %RSD      | .51971 | .05912 | .04328 | .85683 | .63218 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2537.7 | 40588. | 5141.6 | 100.49 | 2596.3 |
| #2 | 2556.4 | 40554. | 5144.8 | 99.278 | 2619.6 |

Sample Name: J5573-01      Acquired: 10/19/2018 19:46:51      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 0689-KM-CA-C      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .19497 | -.01568 | 1.7710 | -.04252 | .00694 | 108.41 | 1.5435 |
| Stddev | .00038 | .00064  | .0028  | .00303  | .00074 | .29    | .0001  |
| %RSD   | .19242 | 4.0951  | .16003 | 7.1264  | 10.656 | .26560 | .00503 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .19523 | -.01613 | 1.7730 | -.04038 | .00747 | 108.62 | 1.5435 |
| #2 | .19470 | -.01523 | 1.7690 | -.04466 | .00642 | 108.21 | 1.5436 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00581 | .02056 | 91.286 | .59806 | .11007 | 2.1536 | 323.19 |
| Stddev | .00013 | .00025 | .220   | .00192 | .00098 | .0084  | 2.15   |
| %RSD   | 2.2055 | 1.1921 | .24063 | .32140 | .89430 | .39228 | .66431 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00590 | .02073 | 91.441 | .59942 | .11077 | 2.1476 | 321.67 |
| #2 | .00572 | .02039 | 91.130 | .59670 | .10937 | 2.1596 | 324.71 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.0414 | 64.995 | .29623 | .01543 | 94.957 | .40074 | 2.7661 |
| Stddev | .0035  | .351   | .00192 | .00074 | .133   | .00100 | .0264  |
| %RSD   | .08613 | .53933 | .64706 | 4.7754 | .14010 | .24960 | .95601 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.0439 | 64.747 | .29487 | .01491 | 94.863 | .40145 | 2.7474 |
| #2 | 4.0390 | 65.243 | .29759 | .01595 | 95.051 | .40004 | 2.7848 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 22.748 | .01518 | .23499 | F 127.68 | 7.0383 | .25084 | 2.4721 |
| Stddev | .061   | .00008 | .00512 | .74      | .0556  | .00050 | .0013  |
| %RSD   | .26658 | .55634 | 2.1791 | .58255   | .79069 | .20054 | .05426 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 22.705 | .01512 | .23136 | 127.15 | 6.9990 | .25048 | 2.4712 |
| #2 | 22.791 | .01524 | .23861 | 128.20 | 7.0777 | .25119 | 2.4731 |

Sample Name: J5573-01      Acquired: 10/19/2018 19:46:51      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 0689-KM-CA-C      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |          |
|--------|--------|---------|--------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .21221 | F 12.40 | .70458 | <.00000 | F<.00000 |
| Stddev | .00061 | .04     | .00048 | 1.0963  | .01649   |
| %RSD   | .28981 | .3305   | .06768 | 8.3385  | .02137   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .21178 | 12.43 | .70424 | -12.372 | -77.159 |
| #2 | .21265 | 12.37 | .70492 | -13.923 | -77.182 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2611.4 | 41931. | 5173.6 | 104.79 | 2805.7 |
| Stddev    | 1.2    | 19.    | 16.6   | .64    | 4.2    |
| %RSD      | .04527 | .04567 | .32122 | .61456 | .15015 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2612.2 | 41917. | 5185.3 | 105.24 | 2808.7 |
| #2 | 2610.5 | 41944. | 5161.8 | 104.33 | 2802.7 |

Sample Name: J5573-02      Acquired: 10/19/2018 19:50:43      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 0692-KM-CA-A      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .15818 | -.02333 | 1.0951 | -.04394 | .00838 | 150.82 | 1.4491 |
| Stddev | .00166 | .00219  | .0056  | .00070  | .00256 | .18    | .0024  |
| %RSD   | 1.0520 | 9.3699  | .51171 | 1.5996  | 30.571 | .12262 | .16553 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .15935 | -.02179 | 1.0911 | -.04443 | .01019 | 150.69 | 1.4474 |
| #2 | .15700 | -.02488 | 1.0990 | -.04344 | .00657 | 150.95 | 1.4508 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00613 | .02103 | 726.58 | .56666 | .10888 | 1.6491 | 302.87 |
| Stddev | .00032 | .00045 | 3.89   | .00160 | .00021 | .0000  | 1.77   |
| %RSD   | 5.1920 | 2.1371 | .53481 | .28234 | .19526 | .00249 | .58499 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00636 | .02071 | 723.83 | .56779 | .10873 | 1.6491 | 304.12 |
| #2 | .00591 | .02135 | 729.33 | .56553 | .10903 | 1.6491 | 301.61 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8887 | 76.964 | .28087 | .01244 | 82.318 | .33695 | 3.1250 |
| Stddev | .0016  | .247   | .00009 | .00147 | .098   | .00121 | .0261  |
| %RSD   | .03220 | .32097 | .03209 | 11.812 | .11866 | .35934 | .83601 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.8898 | 76.790 | .28081 | .01348 | 82.249 | .33609 | 3.1434 |
| #2 | 4.8876 | 77.139 | .28093 | .01140 | 82.387 | .33780 | 3.1065 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 31.467 | .01209 | .27397 | F 146.70 | 1.5409 | .18666 | 3.2878 |
| Stddev | .013   | .00021 | .00425 | .12      | .0062  | .00472 | .0091  |
| %RSD   | .04210 | 1.7565 | 1.5526 | .08242   | .40347 | 2.5277 | .27728 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 31.458 | .01224 | .27097 | 146.61 | 1.5453 | .18332 | 3.2814 |
| #2 | 31.476 | .01194 | .27698 | 146.78 | 1.5365 | .18999 | 3.2943 |

Sample Name: J5573-02      Acquired: 10/19/2018 19:50:43      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 0692-KM-CA-A      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .24026 | F 13.72 | 3.9230 | 3.4088 | F<.00000 |
| Stddev | .00139 | .03     | .0032  | .3369  | .51090   |
| %RSD   | .57901 | .1921   | .08092 | 9.8846 | .83588   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .23927 | 13.70 | 3.9208 | 3.6470 | -61.483 |
| #2 | .24124 | 13.74 | 3.9253 | 3.1705 | -60.760 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2547.6 | 40217. | 5105.5 | 99.248 | 2567.0 |
| Stddev    | 1.4    | 75.    | .5     | .890   | 2.0    |
| %RSD      | .05626 | .18615 | .01040 | .89655 | .07616 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2546.5 | 40164. | 5105.1 | 98.619 | 2568.4 |
| #2 | 2548.6 | 40270. | 5105.9 | 99.877 | 2565.6 |

Sample Name: J5574-01      Acquired: 10/19/2018 19:54:38      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-BPM-03-00      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04577 | -.00846 | .09598 | -.06159 | .00767 | 196.79 | .25441 |
| Stddev | .00160 | .00082  | .00256 | .00045  | .00112 | 1.23   | .00027 |
| %RSD   | 3.4894 | 9.6845  | 2.6630 | .73841  | 14.639 | .62612 | .10782 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04690 | -.00904 | .09779 | -.06192 | .00846 | 195.92 | .25422 |
| #2 | .04465 | -.00788 | .09417 | -.06127 | .00688 | 197.66 | .25461 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00277 | .00237 | .82631 | .22297 | .03909 | -.05594 | 286.00 |
| Stddev | .00021 | .00026 | .02489 | .00042 | .00025 | .00096  | 3.35   |
| %RSD   | 7.4385 | 11.117 | 3.0123 | .19042 | .64569 | 1.7096  | 1.1709 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00263 | .00256 | .84391 | .22327 | .03891 | -.05527 | 283.63 |
| #2 | .00292 | .00219 | .80871 | .22267 | .03927 | -.05662 | 288.37 |

|        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .95962 | 2.6327 | .08187 | -.00624 | -.04852 | .39389 | .25082 |
| Stddev | .00182 | .0225  | .00038 | .00022  | .00579  | .00123 | .00343 |
| %RSD   | .19009 | .85422 | .46086 | 3.5603  | 11.941  | .31303 | 1.3672 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .95833 | 2.6486 | .08213 | -.00639 | -.05262 | .39476 | .24839 |
| #2 | .96091 | 2.6168 | .08160 | -.00608 | -.04442 | .39302 | .25324 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6812 | .00623 | -.08242 | 1.3968 | 5.1962 | .01655 | .97503 |
| Stddev | .0174  | .00019 | .00080  | .0150  | .0218  | .00155 | .00118 |
| %RSD   | .65038 | 3.0805 | .96638  | 1.0765 | .42038 | 9.3401 | .12082 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 2.6689 | .00637 | -.08186 | 1.3862 | 5.1807 | .01546 | .97420 |
| #2 | 2.6936 | .00610 | -.08298 | 1.4074 | 5.2116 | .01765 | .97586 |

Sample Name: J5574-01      Acquired: 10/19/2018 19:54:38      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FK-BPM-03-00      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .04750 | 2.061  | .02467 | <.00000 | F<.00000 |
| Stddev | .00032 | .008   | .00013 | .02098  | .54176   |
| %RSD   | .68344 | .3665  | .53745 | .16985  | .73591   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .04773 | 2.056 | .02477 | -12.338 | -73.235 |
| #2 | .04727 | 2.067 | .02458 | -12.367 | -74.002 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2554.6 | 40143. | 4776.1 | 111.49 | 3102.6 |
| Stddev    | 1.2    | 17.    | 24.1   | 1.01   | 5.6    |
| %RSD      | .04791 | .04245 | .50378 | .90396 | .17894 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2553.7 | 40155. | 4759.1 | 112.21 | 3098.7 |
| #2 | 2555.4 | 40131. | 4793.2 | 110.78 | 3106.6 |

Sample Name: J5579-01      Acquired: 10/19/2018 19:58:42      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 7-1-ROLLOFFS      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03550 | -.01904 | .95061 | -.05241 | .00788 | 172.51 | .97109 |
| Stddev | .00060 | .00204  | .00307 | .00300  | .00343 | .53    | .00043 |
| %RSD   | 1.6799 | 10.694  | .32296 | 5.7338  | 43.570 | .30945 | .04478 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03592 | -.01760 | .94844 | -.05028 | .00545 | 172.14 | .97140 |
| #2 | .03508 | -.02048 | .95278 | -.05453 | .01030 | 172.89 | .97079 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00432 | .00799 | 55.175 | .32468 | .11567 | .38382 | 295.89 |
| Stddev | .00015 | .00071 | .292   | .00314 | .00046 | .00469 | 5.50   |
| %RSD   | 3.5324 | 8.8949 | .52881 | .96573 | .40140 | 1.2226 | 1.8598 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00421 | .00749 | 55.381 | .32246 | .11535 | .38050 | 299.78 |
| #2 | .00443 | .00849 | 54.968 | .32689 | .11600 | .38714 | 292.00 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.9076 | 68.603 | .31375 | -.00138 | 13.265 | .37637 | 1.2629 |
| Stddev | .0055  | .092   | .00084 | .00110  | .000   | .00368 | .0282  |
| %RSD   | .11284 | .13454 | .26711 | 79.766  | .00019 | .97711 | 2.2344 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.9037 | 68.538 | .31316 | -.00060 | 13.265 | .37377 | 1.2829 |
| #2 | 4.9115 | 68.669 | .31435 | -.00217 | 13.265 | .37897 | 1.2429 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 18.712 | .00797 | .05244 | F 18.173 | 4.5353 | .06771 | 3.0024 |
| Stddev | .092   | .00011 | .00720 | .071     | .0618  | .00003 | .0028  |
| %RSD   | .49157 | 1.3609 | 13.735 | .38834   | 1.3625 | .04071 | .09209 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.777 | .00805 | .05753 | 18.123 | 4.4916 | .06773 | 3.0044 |
| #2 | 18.647 | .00789 | .04735 | 18.223 | 4.5790 | .06769 | 3.0005 |

Sample Name: J5579-01      Acquired: 10/19/2018 19:58:42      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 7-1-ROLLOFFS      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .29341 | 3.832  | .22852 | <.00000 | F<.00000 |
| Stddev | .00020 | .006   | .00029 | .27231  | .91448   |
| %RSD   | .06983 | .1484  | .12777 | 2.1701  | 1.2748   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .29355 | 3.828 | .22873 | -12.356 | -71.091 |
| #2 | .29326 | 3.836 | .22832 | -12.741 | -72.384 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2644.0 | 41799. | 5055.2 | 107.33 | 2950.1 |
| Stddev    | 3.0    | 55.    | 33.9   | 2.56   | 5.7    |
| %RSD      | .11318 | .13244 | .67082 | 2.3891 | .19344 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2641.9 | 41760. | 5031.2 | 105.51 | 2946.1 |
| #2 | 2646.2 | 41838. | 5079.2 | 109.14 | 2954.1 |

Sample Name: J5590-01      Acquired: 10/19/2018 20:02:40      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LS-SOIL-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .10821 | -.01260 | .39284 | -.06563 | .00930 | 87.979 | 2.5080 |
| Stddev | .00171 | .00251  | .00450 | .00083  | .00239 | .299   | .0124  |
| %RSD   | 1.5836 | 19.890  | 1.1456 | 1.2639  | 25.712 | .33964 | .49228 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .10700 | -.01083 | .39603 | -.06504 | .01099 | 87.768 | 2.4993 |
| #2 | .10942 | -.01437 | .38966 | -.06622 | .00761 | 88.190 | 2.5167 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00572 | .00691 | 25.020 | .71354 | .09876 | .17096 | 379.43 |
| Stddev | .00015 | .00014 | .272   | .00202 | .00041 | .00163 | 3.43   |
| %RSD   | 2.6323 | 1.9591 | 1.0855 | .28317 | .41133 | .95322 | .90428 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00583 | .00700 | 24.828 | .71496 | .09905 | .16980 | 381.86 |
| #2 | .00561 | .00681 | 25.212 | .71211 | .09848 | .17211 | 377.00 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.3841 | 21.849 | .25001 | -.00423 | 1.1547 | 1.1318 | .80545 |
| Stddev | .0006  | .025   | .00202 | .00155  | .0014  | .0038  | .01048 |
| %RSD   | .02632 | .11458 | .80608 | 36.748  | .11717 | .33420 | 1.3010 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.3837 | 21.832 | .25144 | -.00313 | 1.1556 | 1.1345 | .81286 |
| #2 | 2.3846 | 21.867 | .24859 | -.00532 | 1.1537 | 1.1291 | .79804 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.5234 | .00817 | .18690 | 8.6277 | 4.6927 | .03063 | 1.9671 |
| Stddev | .0461  | .00003 | .01233 | .0241  | .0218  | .00165 | .0106  |
| %RSD   | .70612 | .36379 | 6.5980 | .27958 | .46485 | 5.3752 | .53878 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.4908 | .00819 | .19562 | 8.6447 | 4.6773 | .03179 | 1.9596 |
| #2 | 6.5559 | .00814 | .17818 | 8.6106 | 4.7081 | .02946 | 1.9746 |

Sample Name: J5590-01      Acquired: 10/19/2018 20:02:40      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LS-SOIL-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .09684 | 5.497  | .26482 | <.00000 | F<.00000 |
| Stddev | .00017 | .035   | .00106 | .12776  | .49844   |
| %RSD   | .17341 | .6403  | .39987 | .69147  | .48080   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .09672 | 5.521 | .26407 | -18.386 | -103.32 |
| #2 | .09696 | 5.472 | .26557 | -18.567 | -104.02 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2708.5 | 43134. | 5116.9 | 109.18 | 3067.0 |
| Stddev    | 11.8   | 41.    | 20.1   | 1.37   | 11.3   |
| %RSD      | .43622 | .09485 | .39335 | 1.2569 | .36860 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2716.9 | 43105. | 5131.1 | 108.21 | 3075.0 |
| #2 | 2700.1 | 43162. | 5102.7 | 110.15 | 3059.0 |

Sample Name: J5590-05      Acquired: 10/19/2018 20:06:31      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LS-SOIL-2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05294 | -.00680 | .14355 | -.04459 | .00543 | 72.130 | .72276 |
| Stddev | .00150 | .00011  | .00361 | .00466  | .00085 | .159   | .00423 |
| %RSD   | 2.8381 | 1.6087  | 2.5169 | 10.458  | 15.651 | .22083 | .58575 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .05400 | -.00688 | .14099 | -.04789 | .00483 | 72.243 | .71977 |
| #2 | .05187 | -.00672 | .14610 | -.04129 | .00604 | 72.017 | .72575 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00462 | .00163 | 9.9148 | .22786 | .05726 | .11974 | 275.78 |
| Stddev | .00019 | .00003 | .1003  | .00015 | .00008 | .00017 | .34    |
| %RSD   | 4.1211 | 2.0671 | 1.0111 | .06697 | .14448 | .13992 | .12346 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00476 | .00165 | 9.8439 | .22797 | .05732 | .11962 | 275.54 |
| #2 | .00449 | .00160 | 9.9857 | .22775 | .05720 | .11986 | 276.02 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.2067 | 18.135 | .10448 | -.00151 | .62541 | .38774 | .38469 |
| Stddev | .0025  | .268   | .00031 | .00031  | .00596 | .00309 | .00025 |
| %RSD   | .20376 | 1.4793 | .29767 | 20.579  | .95299 | .79672 | .06561 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.2085 | 17.945 | .10470 | -.00173 | .62119 | .38993 | .38451 |
| #2 | 1.2050 | 18.325 | .10426 | -.00129 | .62962 | .38556 | .38487 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.7488 | .00609 | -.01419 | 9.2852 | 3.0440 | .05302 | .94049 |
| Stddev | .0944  | .00009 | .01548  | .0306  | .0453  | .00045 | .01372 |
| %RSD   | 1.6419 | 1.4371 | 109.13  | .32905 | 1.4886 | .85141 | 1.4593 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 5.6821 | .00603 | -.00324 | 9.2636 | 3.0120 | .05334 | .93078 |
| #2 | 5.8155 | .00615 | -.02514 | 9.3069 | 3.0760 | .05270 | .95019 |

Sample Name: J5590-05      Acquired: 10/19/2018 20:06:31      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LS-SOIL-2      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .12215 | 4.231  | .12779 | <.00000 | F<.00000 |
| Stddev | .00182 | .009   | .00217 | .06278  | .77067   |
| %RSD   | 1.4871 | .2214  | 1.6988 | .46726  | 1.2614   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .12087 | 4.224 | .12625 | -13.392 | -60.551 |
| #2 | .12344 | 4.238 | .12932 | -13.480 | -61.641 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2740.4 | 44156. | 5154.8 | 108.82 | 3122.4 |
| Stddev    | .4     | 163.   | 41.8   | .01    | .9     |
| %RSD      | .01431 | .37018 | .81107 | .00929 | .02816 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2740.1 | 44041. | 5184.4 | 108.81 | 3123.1 |
| #2 | 2740.7 | 44272. | 5125.3 | 108.83 | 3121.8 |

Sample Name: J5538-03      Acquired: 10/19/2018 20:10:26      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: WWT1-6      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |         |
|--------|---------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00484 | -.00069 | .00303 | .00150 | -.00240 | .03298 | .01615 | -.00005 |
| Stddev | .00088  | .00006  | .00097 | .00455 | .00021  | .01081 | .00041 | .00005  |
| %RSD   | 18.218  | 8.4555  | 32.188 | 304.62 | 8.5572  | 32.785 | 2.5357 | 94.073  |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.00422 | -.00065 | .00372 | -.00173 | -.00226 | .02533 | .01586 | -.00008 |
| #2 | -.00546 | -.00074 | .00234 | .00472  | -.00255 | .04063 | .01644 | -.00002 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00019 | .39105 | .00641 | .00218 | 2.0490 | .07755 | .00227 | .14447 |
| Stddev | .00001  | .02628 | .00021 | .00013 | .0062  | .00981 | .00007 | .01176 |
| %RSD   | 7.3404  | 6.7203 | 3.2451 | 5.7808 | .30032 | 12.647 | 2.9625 | 8.1384 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00020 | .37247 | .00627 | .00209 | 2.0534 | .07061 | .00222 | .15278 |
| #2 | -.00018 | .40963 | .00656 | .00227 | 2.0447 | .08448 | .00232 | .13615 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .69884 | .00016 | 470.91 | -.00034 | .03460 | 136.65 | .00330 | 5.6123 |
| Stddev | .00196 | .00018 | 1.31   | .00002  | .00040 | .73    | .00041 | .0162  |
| %RSD   | .28107 | 111.80 | .27792 | 5.6075  | 1.1686 | .53418 | 12.558 | .28916 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .70023 | .00003 | 469.98 | -.00035 | .03431 | 136.13 | .00359 | 5.6008 |
| #2 | .69745 | .00030 | 471.84 | -.00033 | .03488 | 137.16 | .00300 | 5.6238 |

|        |          |        |         |        |        |        |        |        |
|--------|----------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 138.37 | .08062 | -.05171 | .00224 | .00899 | .3151  | .00464 | 3.8875 |
| Stddev | .15      | .00098 | .00158  | .00138 | .00158 | .0023  | .00011 | .2899  |
| %RSD   | .10693   | 1.2189 | 3.0544  | 61.409 | 17.594 | .7242  | 2.4351 | 7.4583 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 138.47 | .07993 | -.05059 | .00127 | .00787 | .3134 | .00456 | 4.0925 |
| #2 | 138.26 | .08132 | -.05283 | .00322 | .01011 | .3167 | .00472 | 3.6825 |

Sample Name: J5538-03      Acquired: 10/19/2018 20:10:26      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: WWT1-6      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.8870  
Stddev      .3173  
%RSD      16.815

#1      1.6627  
#2      2.1114

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2269.7 | 35219. | 4467.8 | 110.25 | 2878.4 |
| Stddev    | 13.9   | 335.   | 25.0   | .82    | 12.2   |
| %RSD      | .61266 | .95236 | .55968 | .74233 | .42546 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2259.9 | 34982. | 4485.5 | 110.83 | 2869.8 |
| #2 | 2279.6 | 35457. | 4450.1 | 109.67 | 2887.1 |

Sample Name: J5538-03DUP      Acquired: 10/19/2018 20:14:35      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: WWT1-6DUP      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |        |        |         |
|--------|----------|---------|---------|---------|---------|--------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00091   | -.00112 | .00326  | .00049  | -.00175 | .03273 | .01677 | -.00010 |
| Stddev | .00473   | .00062  | .00014  | .00203  | .00112  | .00265 | .00036 | .00012  |
| %RSD   | 519.97   | 55.231  | 4.2371  | 411.22  | 63.958  | 8.1038 | 2.1686 | 113.54  |
| #1     | -.00244  | -.00068 | .00336  | -.00094 | -.00253 | .03085 | .01703 | -.00002 |
| #2     | .00425   | -.00156 | .00317  | .00193  | -.00096 | .03460 | .01651 | -.00019 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00021  | .39558  | .00661  | .00219  | 2.0422  | .07015 | .00228 | .18236  |
| Stddev | .00005   | .00962  | .00003  | .00008  | .0068   | .00820 | .00003 | .02197  |
| %RSD   | 25.577   | 2.4317  | .39400  | 3.5933  | .33186  | 11.690 | 1.3297 | 12.046  |
| #1     | -.00017  | .38878  | .00663  | .00225  | 2.0374  | .07595 | .00226 | .19789  |
| #2     | -.00025  | .40238  | .00659  | .00214  | 2.0470  | .06435 | .00230 | .16683  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .69960   | .00074  | 467.37  | -.00034 | .03559  | 137.12 | .00306 | 5.6679  |
| Stddev | .00492   | .00001  | 4.01    | .00065  | .00066  | 1.17   | .00007 | .0907   |
| %RSD   | .70287   | 1.0921  | .85747  | 192.66  | 1.8597  | .85409 | 2.1703 | 1.6001  |
| #1     | .69612   | .00074  | 470.21  | -.00080 | .03606  | 137.95 | .00311 | 5.7321  |
| #2     | .70308   | .00073  | 464.54  | .00012  | .03512  | 136.29 | .00301 | 5.6038  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | F 137.95 | .08254  | -.05175 | .00258  | .01156  | .3119  | .00468 | 3.7115  |
| Stddev | .64      | .00265  | .00100  | .00092  | .00033  | .0027  | .00004 | .1171   |
| %RSD   | .46683   | 3.2082  | 1.9386  | 35.609  | 2.8688  | .8746  | .83034 | 3.1539  |
| #1     | 137.50   | .08067  | -.05246 | .00193  | .01179  | .3100  | .00466 | 3.7942  |
| #2     | 138.41   | .08442  | -.05105 | .00322  | .01132  | .3138  | .00471 | 3.6287  |

Sample Name: J5538-03DUP      Acquired: 10/19/2018 20:14:35      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: WWT1-6DUP      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.1655 |
| Stddev | .4449  |
| %RSD   | 20.546 |

|    |        |
|----|--------|
| #1 | 1.8509 |
| #2 | 2.4801 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2293.1 | 35771. | 4499.7 | 108.96 | 2902.9 |
| Stddev    | 1.5    | 115.   | 53.0   | 1.86   | 3.6    |
| %RSD      | .06359 | .32028 | 1.1788 | 1.7041 | .12364 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2292.1 | 35690. | 4462.2 | 107.65 | 2905.4 |
| #2 | 2294.2 | 35852. | 4537.2 | 110.27 | 2900.4 |

Sample Name: CCV10      Acquired: 10/19/2018 20:18:43      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14027      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0279 | 4.7904 | 4.6838 | 5.0203 | 5.1761 | 10.448 | 9.8246 | .24279   |
| Stddev | .0056  | .0120  | .0092  | .0276  | .0084  | .174   | .1122  | .00063   |
| %RSD   | .11230 | .25015 | .19640 | .54939 | .16319 | 1.6692 | 1.1421 | .25784   |
| #1     | 5.0318 | 4.7989 | 4.6903 | 5.0398 | 5.1820 | 10.571 | 9.7452 | .24323   |
| #2     | 5.0239 | 4.7819 | 4.6773 | 5.0008 | 5.1701 | 10.325 | 9.9039 | .24235   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.2790 | 25.553 | .94754 | 2.3165 | 1.2639 | 4.9347 | 2.4041 | 23.441   |
| Stddev | .0051  | .076   | .00245 | .0055  | .0034  | .0804  | .0033  | .241     |
| %RSD   | .22498 | .29719 | .25844 | .23918 | .26501 | 1.6294 | .13778 | 1.0277   |
| #1     | 2.2826 | 25.499 | .94927 | 2.3205 | 1.2663 | 4.9916 | 2.4065 | 23.271   |
| #2     | 2.2754 | 25.606 | .94580 | 2.3126 | 1.2615 | 4.8779 | 2.4018 | 23.612   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4466 | 1.2222 | 23.222 | 2.4353 | 2.2846 | 24.500 | 5.0798 | 4.7346   |
| Stddev | .0034  | .0063  | .264   | .0011  | .0089  | .275   | .0057  | .0271    |
| %RSD   | .13882 | .51107 | 1.1387 | .04440 | .38750 | 1.1238 | .11262 | .57287   |
| #1     | 2.4490 | 1.2266 | 23.035 | 2.4345 | 2.2909 | 24.305 | 5.0838 | 4.7154   |
| #2     | 2.4442 | 1.2177 | 23.409 | 2.4361 | 2.2784 | 24.695 | 5.0757 | 4.7538   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7913 | 4.8431 | 4.5482 | 4.7664 | 4.9457 | 4.599  | 4.7422 | F 3.8685 |
| Stddev | .0044  | .0770  | .0104  | .0163  | .0524  | .003   | .0503  | .0510    |
| %RSD   | .09230 | 1.5889 | .22847 | .34148 | 1.0603 | .0711  | 1.0618 | 1.3185   |
| #1     | 4.7944 | 4.7886 | 4.5556 | 4.7549 | 4.9086 | 4.602  | 4.7066 | 3.9046   |
| #2     | 4.7881 | 4.8975 | 4.5409 | 4.7779 | 4.9828 | 4.597  | 4.7779 | 3.8324   |

Sample Name: CCV10      Acquired: 10/19/2018 20:18:43      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14027      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 1.5107  
 Stddev      .1125  
 %RSD      7.4489

#1      1.5903  
 #2      1.4312

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2416.8 | 38439. | 4522.0 | 109.22 | 3087.6 |
| Stddev    | 7.9    | 145.   | 51.4   | .52    | 11.0   |
| %RSD      | .32872 | .37672 | 1.1370 | .47634 | .35763 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2411.2 | 38336. | 4558.3 | 108.85 | 3079.8 |
| #2 | 2422.4 | 38541. | 4485.6 | 109.58 | 3095.4 |

Sample Name: CCB10      Acquired: 10/19/2018 20:22:29      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14027      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |         |         |         |
|--------|--------|--------|---------|---------|---------|---------|---------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00431 | .00066 | -.00140 | -.00051 | -.00072 | -.00365 | -.00077 |
| Stddev | .00124 | .00184 | .00019  | .00025  | .00122  | .00371  | .00032  |
| %RSD   | 28.680 | 279.23 | 13.482  | 49.321  | 170.35  | 101.73  | 41.779  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00344 | -.00064 | -.00127 | -.00069 | -.00158 | -.00628 | -.00100 |
| #2 | .00518 | .00196  | -.00153 | -.00033 | .00015  | -.00102 | -.00055 |

|        |        |        |         |        |        |         |         |
|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00006 | .00005 | -.01176 | .00023 | .00001 | -.00035 | -.00274 |
| Stddev | .00000 | .00001 | .00463  | .00001 | .00018 | .00015  | .00587  |
| %RSD   | .24656 | 29.813 | 39.393  | 4.5496 | 1630.9 | 43.901  | 213.84  |

|    |        |        |         |        |         |         |         |
|----|--------|--------|---------|--------|---------|---------|---------|
| #1 | .00006 | .00004 | -.01503 | .00023 | .00014  | -.00045 | .00140  |
| #2 | .00006 | .00006 | -.00848 | .00024 | -.00012 | -.00024 | -.00689 |

|        |        |        |        |         |         |         |         |
|--------|--------|--------|--------|---------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00004 | .06665 | .00199 | -.00003 | -.08249 | -.00043 | -.00056 |
| Stddev | .00001 | .01164 | .00045 | .00021  | .01322  | .00017  | .00003  |
| %RSD   | 24.341 | 17.470 | 22.540 | 603.45  | 16.032  | 39.797  | 5.8496  |

|    |        |        |        |         |         |         |         |
|----|--------|--------|--------|---------|---------|---------|---------|
| #1 | .00005 | .07488 | .00231 | .00011  | -.09184 | -.00055 | -.00053 |
| #2 | .00004 | .05842 | .00168 | -.00018 | -.07314 | -.00031 | -.00058 |

|        |        |        |         |         |         |         |        |
|--------|--------|--------|---------|---------|---------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .06315 | .00079 | -.00563 | -.00166 | -.00129 | -.00095 | .00028 |
| Stddev | .02425 | .00007 | .00193  | .00011  | .00149  | .00016  | .00104 |
| %RSD   | 38.406 | 8.4272 | 34.185  | 6.7577  | 115.79  | 16.949  | 365.34 |

|    |        |        |         |         |         |         |         |
|----|--------|--------|---------|---------|---------|---------|---------|
| #1 | .08030 | .00075 | -.00427 | -.00158 | -.00023 | -.00106 | -.00045 |
| #2 | .04600 | .00084 | -.00699 | -.00174 | -.00235 | -.00084 | .00102  |

Sample Name: CCB10      Acquired: 10/19/2018 20:22:29      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14027      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00051 | .0006  | .00014 | F 2.3579 | F<.00000 |
| Stddev | .00151  | .0000  | .00002 | .0499    | .05048   |
| %RSD   | 293.64  | 6.757  | 13.306 | 2.1154   | 30.126   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | .00055  | .0005 | .00015 | 2.3226 | -.20326 |
| #2 | -.00158 | .0006 | .00012 | 2.3932 | -.13187 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2517.4 | 40003. | 4511.1 | 112.55 | 3418.1 |
| Stddev    | 6.4    | 26.    | 11.4   | .11    | 15.7   |
| %RSD      | .25445 | .06407 | .25351 | .09948 | .46013 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2512.9 | 40021. | 4503.0 | 112.63 | 3407.0 |
| #2 | 2521.9 | 39985. | 4519.1 | 112.47 | 3429.3 |

Sample Name: J5538-03LX5      Acquired: 10/19/2018 20:26:34      Type: Unk  
Method: P4-ICP2(v2514)      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  | .00035  | -.00081 | -.00012 | -.00162 | .00620 | .00256 | .00000  |
| Stddev | .00341   | .00026  | .00100  | .00057  | .00136  | .00772 | .00004 | .00002  |
| %RSD   | 1885.0   | 75.219  | 123.75  | 458.39  | 83.994  | 124.58 | 1.6004 | 531.20  |
| #1     | -.00259  | .00054  | -.00010 | .00028  | -.00066 | .01165 | .00259 | .00002  |
| #2     | .00223   | .00016  | -.00152 | -.00053 | -.00258 | .00074 | .00253 | -.00001 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00008  | .07563  | .00136  | .00031  | .43138  | .02218 | .00051 | .07448  |
| Stddev | .00009   | .01840  | .00009  | .00003  | .00136  | .01870 | .00001 | .00441  |
| %RSD   | 111.85   | 24.324  | 6.9569  | 8.1477  | .31442  | 84.324 | 2.0974 | 5.9241  |
| #1     | -.00015  | .08864  | .00143  | .00029  | .43234  | .03540 | .00050 | .07760  |
| #2     | -.00002  | .06262  | .00129  | .00033  | .43042  | .00895 | .00052 | .07136  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .14128   | .00003  | 96.245  | -.00038 | .00722  | 27.195 | .00034 | 1.1404  |
| Stddev | .00035   | .00005  | .116    | .00077  | .00005  | .039   | .00025 | .0060   |
| %RSD   | .24631   | 160.82  | .12102  | 202.57  | .69502  | .14340 | 73.782 | .52768  |
| #1     | .14153   | -.00000 | 96.328  | .00016  | .00725  | 27.223 | .00016 | 1.1446  |
| #2     | .14104   | .00007  | 96.163  | -.00093 | .00718  | 27.167 | .00052 | 1.1361  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | F 27.120 | .01658  | -.01053 | .00269  | .00102  | .0612  | .00100 | 2.7097  |
| Stddev | .042     | .00292  | .00172  | .00025  | .00034  | .0003  | .00001 | .1511   |
| %RSD   | .15602   | 17.608  | 16.335  | 9.3221  | 33.723  | .5427  | 1.4018 | 5.5772  |
| #1     | 27.149   | .01452  | -.01175 | .00251  | .00126  | .0614  | .00101 | 2.6028  |
| #2     | 27.090   | .01865  | -.00932 | .00287  | .00077  | .0610  | .00099 | 2.8165  |

Sample Name: J5538-03LX5      Acquired: 10/19/2018 20:26:34      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .54956 |
| Stddev | .05836 |
| %RSD   | 10.620 |

|    |        |
|----|--------|
| #1 | .50829 |
| #2 | .59083 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2438.3 | 38313. | 4526.2 | 112.01 | 3192.3 |
| Stddev    | 14.9   | 161.   | 8.2    | .73    | 13.0   |
| %RSD      | .61239 | .42125 | .18217 | .65566 | .40665 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2427.7 | 38427. | 4520.3 | 111.49 | 3183.1 |
| #2 | 2448.9 | 38198. | 4532.0 | 112.53 | 3201.5 |

Sample Name: J5538-03MS      Acquired: 10/19/2018 20:30:38      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: WWT1-6MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .89502 | 1.9226 | 1.0087 | 2.2495 | .90461 | 2.4983 | .24192 | .21844 |
| Stddev | .00286 | .0077  | .0004  | .0270  | .00759 | .0428  | .00040 | .00018 |
| %RSD   | .31903 | .40231 | .03783 | 1.2000 | .83954 | 1.7113 | .16363 | .08364 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .89300 | 1.9171 | 1.0085 | 2.2305 | .89924 | 2.5285 | .24164 | .21857 |
| #2 | .89704 | 1.9280 | 1.0090 | 2.2686 | .90998 | 2.4681 | .24220 | .21831 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20660 | 1.5296 | .41757 | .21003 | 2.2908 | 3.0420 | .22065 | 2.2107 |
| Stddev | .00104 | .0212  | .00066 | .00116 | .0114  | .0055  | .00016 | .0005  |
| %RSD   | .50171 | 1.3868 | .15904 | .55454 | .49610 | .18174 | .07299 | .02276 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20587 | 1.5146 | .41804 | .20920 | 2.2828 | 3.0381 | .22054 | 2.2104 |
| #2 | .20733 | 1.5446 | .41710 | .21085 | 2.2988 | 3.0459 | .22077 | 2.2111 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1827 | .07698 | 464.67 | .31286 | .22669 | 144.57 | .45911 | 5.8719 |
| Stddev | .0071  | .00101 | 9.00   | .00096 | .00310 | 2.20   | .00207 | .0340  |
| %RSD   | .60063 | 1.3097 | 1.9369 | .30576 | 1.3687 | 1.5219 | .45043 | .57908 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.1777 | .07769 | 458.31 | .31219 | .22449 | 143.01 | .45765 | 5.8479 |
| #2 | 1.1877 | .07627 | 471.03 | .31354 | .22888 | 146.13 | .46058 | 5.8960 |

|        |          |        |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 134.50 | 1.0407 | .65468 | .21694 | .24666 | 6.448  | .21645 | 3.6743 |
| Stddev | .35      | .0179  | .00220 | .00190 | .00169 | .043   | .00056 | .0463  |
| %RSD   | .26381   | 1.7172 | .33655 | .87537 | .68490 | .6689  | .25645 | 1.2594 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 134.25 | 1.0280 | .65312 | .21559 | .24547 | 6.418 | .21685 | 3.7070 |
| #2 | 134.75 | 1.0533 | .65624 | .21828 | .24786 | 6.479 | .21606 | 3.6415 |

Sample Name: J5538-03MS      Acquired: 10/19/2018 20:30:38      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: WWT1-6MS      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .66108 |
| Stddev | .22923 |
| %RSD   | 34.675 |

|    |        |
|----|--------|
| #1 | .82317 |
| #2 | .49899 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2329.1 | 36254. | 4524.1 | 112.58 | 2919.7 |
| Stddev    | 4.1    | 93.    | 59.2   | .45    | 6.9    |
| %RSD      | .17519 | .25741 | 1.3089 | .39751 | .23598 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2326.2 | 36188. | 4566.0 | 112.90 | 2914.8 |
| #2 | 2331.9 | 36320. | 4482.3 | 112.26 | 2924.6 |

Sample Name: J5538-03MSD      Acquired: 10/19/2018 20:34:36      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: WWT1-6MSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .89942 | 1.9183 | 1.0039 | 2.2512 | .90248 | 2.4447 | .24320 | .21788 |
| Stddev | .00471 | .0029  | .0036  | .0057  | .00564 | .0135  | .00155 | .00141 |
| %RSD   | .52375 | .15282 | .35608 | .25295 | .62532 | .55267 | .63936 | .64758 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .90275 | 1.9162 | 1.0013 | 2.2472 | .90647 | 2.4351 | .24210 | .21688 |
| #2 | .89609 | 1.9203 | 1.0064 | 2.2553 | .89849 | 2.4543 | .24430 | .21887 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20586 | 1.5285 | .41592 | .20976 | 2.2801 | 3.1458 | .21957 | 2.1772 |
| Stddev | .00039 | .0278  | .00293 | .00010 | .0013  | .0571  | .00176 | .0559  |
| %RSD   | .18881 | 1.8191 | .70366 | .04755 | .05646 | 1.8150 | .80276 | 2.5682 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20559 | 1.5088 | .41385 | .20969 | 2.2810 | 3.1862 | .21832 | 2.2167 |
| #2 | .20614 | 1.5482 | .41799 | .20983 | 2.2792 | 3.1055 | .22081 | 2.1377 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1778 | .07765 | 464.15 | .31156 | .23837 | 146.36 | .46098 | 5.8760 |
| Stddev | .0037  | .00018 | .79    | .00203 | .00406 | 1.18   | .00251 | .0371  |
| %RSD   | .30966 | .22609 | .16949 | .65004 | 1.7021 | .80312 | .54480 | .63111 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.1752 | .07753 | 464.70 | .31012 | .24124 | 145.53 | .45921 | 5.8498 |
| #2 | 1.1803 | .07778 | 463.59 | .31299 | .23550 | 147.19 | .46276 | 5.9022 |

|        |          |        |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 133.83 | 1.0563 | .65398 | .21748 | .24770 | 6.420  | .21677 | 3.3662 |
| Stddev | .37      | .0046  | .00096 | .00238 | .00061 | .010   | .00005 | .0983  |
| %RSD   | .27726   | .43376 | .14668 | 1.0955 | .24466 | .1543  | .02438 | 2.9207 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 134.10 | 1.0595 | .65331 | .21579 | .24727 | 6.427 | .21680 | 3.2967 |
| #2 | 133.57 | 1.0531 | .65466 | .21916 | .24813 | 6.413 | .21673 | 3.4358 |

Sample Name: J5538-03MSD      Acquired: 10/19/2018 20:34:36      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: WWT1-6MSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .24096 |
| Stddev | .15771 |
| %RSD   | 65.452 |

|    |        |
|----|--------|
| #1 | .12944 |
| #2 | .35248 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2344.0 | 36619. | 4486.7 | 108.07 | 2943.7 |
| Stddev    | 3.1    | 68.    | 18.3   | 1.93   | 8.2    |
| %RSD      | .13369 | .18660 | .40848 | 1.7835 | .27770 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2341.8 | 36667. | 4499.6 | 106.70 | 2938.0 |
| #2 | 2346.2 | 36571. | 4473.7 | 109.43 | 2949.5 |

Sample Name: J5538-03A      Acquired: 10/19/2018 20:38:33      Type: Unk  
Method: P4-ICP2(v2514)      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    | .90360   | 1.9406 | 1.0119 | 2.2641 | .90983 | 2.4724 | .24346 | .21839 |
| Stddev | .00429   | .0100  | .0046  | .0023  | .00109 | .0358  | .00166 | .00037 |
| %RSD   | .47476   | .51612 | .45466 | .10006 | .11976 | 1.4468 | .68338 | .17105 |
| #1     | .90664   | 1.9336 | 1.0087 | 2.2625 | .91060 | 2.4472 | .24463 | .21866 |
| #2     | .90057   | 1.9477 | 1.0152 | 2.2657 | .90906 | 2.4977 | .24228 | .21813 |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20733   | 1.5208 | .41791 | .21157 | 2.2976 | 3.0603 | .22098 | 2.2070 |
| Stddev | .00048   | .0241  | .00194 | .00027 | .0006  | .0253  | .00020 | .0215  |
| %RSD   | .23377   | 1.5853 | .46437 | .12917 | .02464 | .82652 | .09127 | .97455 |
| #1     | .20768   | 1.5378 | .41654 | .21138 | 2.2972 | 3.0781 | .22112 | 2.1918 |
| #2     | .20699   | 1.5038 | .41928 | .21176 | 2.2980 | 3.0424 | .22084 | 2.2222 |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1887   | .07610 | 466.71 | .31375 | .22860 | 145.53 | .46241 | 5.8967 |
| Stddev | .0018    | .00080 | 2.92   | .00058 | .00360 | 1.00   | .00076 | .0481  |
| %RSD   | .15346   | 1.0493 | .62550 | .18442 | 1.5751 | .68992 | .16376 | .81611 |
| #1     | 1.1874   | .07666 | 468.78 | .31335 | .23114 | 146.24 | .46295 | 5.8627 |
| #2     | 1.1899   | .07553 | 464.65 | .31416 | .22605 | 144.82 | .46188 | 5.9308 |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 134.74 | 1.0469 | .65496 | .21914 | .24763 | 6.491  | .21642 | 3.1815 |
| Stddev | .10      | .0014  | .00149 | .00255 | .00020 | .016   | .00294 | .1544  |
| %RSD   | .07465   | .13875 | .22824 | 1.1642 | .08252 | .2486  | 1.3591 | 4.8541 |
| #1     | 134.67   | 1.0458 | .65602 | .22094 | .24778 | 6.502  | .21850 | 3.2907 |
| #2     | 134.81   | 1.0479 | .65390 | .21734 | .24749 | 6.480  | .21434 | 3.0723 |

Sample Name: J5538-03A      Acquired: 10/19/2018 20:38:33      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .72753  
Stddev      .30207  
%RSD      41.520

#1      .51393  
#2      .94112

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2332.5 | 36429. | 4513.0 | 112.46 | 2924.4 |
| Stddev    | 5.5    | 153.   | 46.4   | 1.86   | 2.8    |
| %RSD      | .23460 | .41977 | 1.0281 | 1.6525 | .09554 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2328.6 | 36321. | 4480.2 | 111.14 | 2922.4 |
| #2 | 2336.4 | 36537. | 4545.8 | 113.77 | 2926.4 |

Sample Name: J5538-16      Acquired: 10/19/2018 20:42:32      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NL\_7      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.03960 | -.00066 | .04083 | -.00468 | -.15356 | .23867 | .01480 |
| Stddev | .00488  | .00276  | .00136 | .00326  | .03083  | .01737 | .00006 |
| %RSD   | 12.333  | 415.03  | 3.3288 | 69.656  | 20.078  | 7.2791 | .37495 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.04306 | -.00262 | .04179 | -.00699 | -.17536 | .25095 | .01476 |
| #2 | -.03615 | .00129  | .03987 | -.00238 | -.13176 | .22638 | .01484 |

|        |         |        |        |          |        |        |        |
|--------|---------|--------|--------|----------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | -.00212 | .00129 | 1.1720 | F 150.37 | .00445 | 1.2845 | 4.5490 |
| Stddev | .00013  | .00009 | .0427  | .40      | .00021 | .0104  | .0419  |
| %RSD   | 5.9613  | 7.0807 | 3.6453 | .26731   | 4.8037 | .81044 | .92093 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00221 | .00123 | 1.1418 | 150.65 | .00460 | 1.2771 | 4.5194 |
| #2 | -.00203 | .00136 | 1.2022 | 150.09 | .00430 | 1.2918 | 4.5786 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .09016 | .38719 | 12.269 | .00126 | 606.12 | .14296 | .81895 |
| Stddev | .00030 | .00232 | .079   | .00057 | 1.47   | .00369 | .00752 |
| %RSD   | .33621 | .59832 | .64465 | 45.209 | .24180 | 2.5796 | .91788 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .08994 | .38555 | 12.213 | .00166 | 605.08 | .14557 | .81363 |
| #2 | .09037 | .38882 | 12.325 | .00086 | 607.16 | .14035 | .82427 |

|        |        |        |          |          |        |         |         |
|--------|--------|--------|----------|----------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496   | S_1820   | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm      | ppm      | ppm    | ppm     | ppm     |
| Avg    | 340.16 | .00750 | F 69.592 | F 287.37 | 1.2715 | -.09042 | -.00599 |
| Stddev | 2.23   | .00041 | .728     | 1.77     | .0047  | .00105  | .00058  |
| %RSD   | .65628 | 5.4433 | 1.0462   | .61646   | .36802 | 1.1581  | 9.6284  |

|    |        |        |        |        |        |         |         |
|----|--------|--------|--------|--------|--------|---------|---------|
| #1 | 338.58 | .00721 | 69.077 | 286.12 | 1.2749 | -.08968 | -.00558 |
| #2 | 341.74 | .00779 | 70.106 | 288.63 | 1.2682 | -.09116 | -.00640 |

Sample Name: J5538-16      Acquired: 10/19/2018 20:42:32      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: NL\_7      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .03993 | 1.142  | .01283 | 3.9552 | F<.00000 |
| Stddev    | .00122 | .010   | .00004 | .1683  | .12680   |
| %RSD      | 3.0638 | .8801  | .32729 | 4.2563 | 5.9554   |
| #1        | .03906 | 1.135  | .01286 | 4.0742 | -2.2188  |
| #2        | .04079 | 1.149  | .01280 | 3.8361 | -2.0395  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 1980.3 | 34581. | 4472.7 | 108.65 | 2778.8   |
| Stddev    | 4.4    | 134.   | 2.6    | .59    | 9.4      |
| %RSD      | .22333 | .38730 | .05853 | .54637 | .33680   |
| #1        | 1983.4 | 34486. | 4470.9 | 109.07 | 2785.5   |
| #2        | 1977.2 | 34675. | 4474.6 | 108.23 | 2772.2   |

Sample Name: J5538-17      Acquired: 10/19/2018 20:46:42      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NL-7      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |         |
|--------|---------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00163 | -.00098 | .00255 | .00641 | -.01055 | .00921 | .00616 | -.00005 |
| Stddev | .00050  | .00026  | .00002 | .00229 | .00061  | .00352 | .00031 | .00009  |
| %RSD   | 30.645  | 27.031  | .81849 | 35.704 | 5.8242  | 38.282 | 5.0450 | 167.14  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00128 | -.00079 | .00253 | .00479 | -.01011 | .00671 | .00594 | .00001  |
| #2 | -.00198 | -.00116 | .00256 | .00803 | -.01098 | .01170 | .00638 | -.00011 |

|        |         |        |          |        |        |        |        |        |
|--------|---------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00020 | 2.6888 | F 2.2723 | .00349 | 4.6392 | .01177 | .00027 | .10043 |
| Stddev | .00009  | .0371  | .0569    | .00044 | .0087  | .00106 | .00008 | .04562 |
| %RSD   | 44.413  | 1.3801 | 2.5030   | 12.604 | .18815 | 8.9870 | 29.727 | 45.426 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00026 | 2.6626 | 2.3125 | .00318 | 4.6454 | .01252 | .00021 | .13269 |
| #2 | -.00013 | 2.7150 | 2.2321 | .00380 | 4.6331 | .01102 | .00032 | .06817 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.7526 | .00506 | 447.22 | .00229 | .01364 | 77.328 | .03482 | 9.7661 |
| Stddev | .0100  | .00035 | 4.02   | .00032 | .00013 | .430   | .00007 | .1481  |
| %RSD   | .56757 | 6.9434 | .89816 | 13.760 | .96012 | .55584 | .20472 | 1.5166 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.7596 | .00531 | 450.06 | .00207 | .01355 | 77.632 | .03487 | 9.6614 |
| #2 | 1.7455 | .00481 | 444.38 | .00251 | .01374 | 77.024 | .03477 | 9.8708 |

|        |          |        |         |        |        |        |        |        |
|--------|----------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 53.062 | .07698 | -.01916 | .00251 | .00744 | .3544  | .00724 | 3.5277 |
| Stddev | .125     | .00084 | .00093  | .00216 | .00086 | .0021  | .00000 | .4593  |
| %RSD   | .23615   | 1.0966 | 4.8456  | 85.937 | 11.590 | .6016  | .00006 | 13.019 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 53.150 | .07638 | -.01982 | .00098 | .00805 | .3559 | .00724 | 3.8524 |
| #2 | 52.973 | .07757 | -.01851 | .00403 | .00683 | .3529 | .00724 | 3.2029 |

Sample Name: J5538-17      Acquired: 10/19/2018 20:46:42      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NL-7      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.6502 |
| Stddev | .0543  |
| %RSD   | 3.2907 |

|    |        |
|----|--------|
| #1 | 1.6886 |
| #2 | 1.6118 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2318.3 | 36869. | 4575.0 | 112.64 | 2929.6 |
| Stddev    | 5.9    | 852.   | 37.5   | .69    | 10.6   |
| %RSD      | .25345 | 2.3116 | .81933 | .61612 | .36153 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2314.1 | 36267. | 4548.5 | 112.15 | 2922.2 |
| #2 | 2322.4 | 37472. | 4601.5 | 113.13 | 2937.1 |

Sample Name: J5538-18      Acquired: 10/19/2018 20:50:50      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BL01      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .10087 | -.00613 | .52285 | .01071 | .02014 | .37100 | .03930 | -.00028 |
| Stddev | .00305 | .00030  | .01311 | .00105 | .00109 | .01009 | .00004 | .00001  |
| %RSD   | 3.0245 | 4.9354  | 2.5076 | 9.8011 | 5.4354 | 2.7198 | .09713 | 3.2173  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .10303 | -.00591 | .53212 | .00996 | .01936 | .36387 | .03933 | -.00029 |
| #2 | .09872 | -.00634 | .51358 | .01145 | .02091 | .37814 | .03927 | -.00027 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00006 | .18297 | .12615 | .01888 | 22.896 | 4.9871 | .00600 | .06328 |
| Stddev | .00008  | .01366 | .00365 | .00074 | .478   | .0382  | .00021 | .00504 |
| %RSD   | 139.63  | 7.4641 | 2.8928 | 3.9458 | 2.0872 | .76558 | 3.5686 | 7.9565 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00012 | .19263 | .12357 | .01941 | 23.233 | 5.0141 | .00585 | .06684 |
| #2 | -.00000 | .17332 | .12873 | .01835 | 22.558 | 4.9601 | .00615 | .05972 |

|        |        |        |          |        |        |          |        |          |
|--------|--------|--------|----------|--------|--------|----------|--------|----------|
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138 | K_7664   | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | .55984 | .00539 | F 2044.0 | .00202 | 1.6293 | F 2035.2 | .02298 | F 13.395 |
| Stddev | .01262 | .00032 | 4.7      | .00010 | .0162  | 7.5      | .00001 | .041     |
| %RSD   | 2.2551 | 5.9669 | .23157   | 5.1852 | .99529 | .36660   | .03538 | .30887   |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .56876 | .00562 | 2047.3 | .00210 | 1.6408 | 2040.5 | .02298 | 13.425 |
| #2 | .55091 | .00517 | 2040.6 | .00195 | 1.6179 | 2029.9 | .02297 | 13.366 |

|        |          |        |         |        |        |         |        |        |
|--------|----------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | F 66.194 | 4.3229 | -.01576 | .01938 | .03292 | F 15.13 | .01126 | 5.2271 |
| Stddev | 1.455    | .0431  | .00124  | .00013 | .00561 | .21     | .00007 | .2161  |
| %RSD   | 2.1977   | .99616 | 7.8974  | .66784 | 17.040 | 1.399   | .63843 | 4.1340 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 67.223 | 4.2925 | -.01664 | .01947 | .02895 | 15.27 | .01131 | 5.3799 |
| #2 | 65.165 | 4.3534 | -.01488 | .01929 | .03688 | 14.98 | .01121 | 5.0743 |

Sample Name: J5538-18      Acquired: 10/19/2018 20:50:50      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BL01      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.8204 |
| Stddev | .2786  |
| %RSD   | 5.7789 |

|    |        |
|----|--------|
| #1 | 4.6234 |
| #2 | 5.0174 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2112.6 | 31169. | 4395.4 | 107.38 | 2434.3 |
| Stddev    | 42.4   | 127.   | 2.7    | 1.13   | 52.5   |
| %RSD      | 2.0055 | .40713 | .06223 | 1.0481 | 2.1582 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2082.7 | 31259. | 4393.5 | 106.58 | 2397.1 |
| #2 | 2142.6 | 31079. | 4397.4 | 108.18 | 2471.4 |

Sample Name: J5538-22      Acquired: 10/19/2018 20:55:02      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CNL01      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |         |        |        |
|--------|--------|---------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00980 | -.00709 | .14445 | .01753 | -.02246 | -.05987 | .01674 | .00062 |
| Stddev | .00281 | .00160  | .00021 | .00021 | .00005  | .01071  | .00021 | .00002 |
| %RSD   | 28.682 | 22.530  | .14386 | 1.2150 | .20602  | 17.892  | 1.2498 | 2.9106 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00781 | -.00822 | .14459 | .01738 | -.02243 | -.06745 | .01659 | .00063 |
| #2 | .01179 | -.00596 | .14430 | .01768 | -.02250 | -.05230 | .01689 | .00060 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00537 | .24155 | .12325 | .02633 | 87.839 | 2.0482 | .00635 | .08225 |
| Stddev | .00005  | .03278 | .00033 | .00006 | .466   | .0146  | .00006 | .00780 |
| %RSD   | .96066  | 13.573 | .26847 | .24270 | .53095 | .71033 | 1.0171 | 9.4870 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00534 | .21837 | .12348 | .02629 | 88.169 | 2.0379 | .00630 | .07673 |
| #2 | -.00541 | .26473 | .12301 | .02638 | 87.510 | 2.0585 | .00640 | .08777 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 33.623 | .00850 | 860.84 | -.00066 | 1.9911 | 968.94 | 3.2100 | 5.9228 |
| Stddev | .105   | .00064 | 10.50  | .00048  | .0476  | 18.29  | .0156  | .0705  |
| %RSD   | .31289 | 7.5889 | 1.2195 | 72.307  | 2.3887 | 1.8876 | .48517 | 1.1904 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | 33.697 | .00804 | 853.42 | -.00100 | 1.9575 | 956.01 | 3.2210 | 5.8730 |
| #2 | 33.548 | .00895 | 868.26 | -.00032 | 2.0247 | 981.87 | 3.1990 | 5.9727 |

|        |          |        |         |        |        |         |        |        |
|--------|----------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | F 136.22 | 1.0598 | -.04811 | .03518 | .02246 | F 29.60 | .00580 | 4.5770 |
| Stddev | .40      | .0220  | .00222  | .00205 | .00084 | .07     | .00019 | .1509  |
| %RSD   | .29556   | 2.0739 | 4.6068  | 5.8183 | 3.7462 | .2438   | 3.2933 | 3.2960 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 136.50 | 1.0443 | -.04968 | .03663 | .02187 | 29.65 | .00567 | 4.6837 |
| #2 | 135.93 | 1.0754 | -.04654 | .03374 | .02306 | 29.55 | .00594 | 4.4703 |

Sample Name: J5538-22      Acquired: 10/19/2018 20:55:02      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CNL01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.9890  
Stddev      .0321  
%RSD      1.0752

#1      3.0117  
#2      2.9663

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2182.3 | 33719. | 4484.2 | 106.59 | 2671.4 |
| Stddev    | 17.2   | 85.    | 60.1   | 1.76   | 15.2   |
| %RSD      | .78976 | .25217 | 1.3409 | 1.6474 | .56825 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2170.1 | 33658. | 4526.7 | 107.83 | 2660.7 |
| #2 | 2194.4 | 33779. | 4441.6 | 105.35 | 2682.2 |

Sample Name: J5538-23      Acquired: 10/19/2018 20:59:13      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BS01      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .02397 | -.00245 | .00485 | .00603 | -.00662 | .05139 | .00862 | -.00011 |
| Stddev | .00290 | .00051  | .00082 | .00328 | .00086  | .00757 | .00012 | .00006  |
| %RSD   | 12.091 | 20.666  | 16.872 | 54.424 | 13.073  | 14.739 | 1.3412 | 54.198  |

|    |        |         |        |        |         |        |        |         |
|----|--------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .02602 | -.00209 | .00542 | .00371 | -.00723 | .05674 | .00854 | -.00015 |
| #2 | .02192 | -.00280 | .00427 | .00835 | -.00600 | .04603 | .00870 | -.00007 |

|        |         |        |          |        |        |        |        |        |
|--------|---------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00006 | 1.4548 | F 2.7401 | .00193 | 2.8969 | 1.7498 | .00048 | .11102 |
| Stddev | .00007  | .0155  | .0028    | .00028 | .0125  | .0636  | .00008 | .02339 |
| %RSD   | 112.30  | 1.0665 | .10184   | 14.528 | .43073 | 3.6352 | 16.767 | 21.064 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00011 | 1.4438 | 2.7381 | .00212 | 2.9057 | 1.7048 | .00053 | .09449 |
| #2 | -.00001 | 1.4658 | 2.7420 | .00173 | 2.8881 | 1.7947 | .00042 | .12756 |

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .10191 | .02136 | 1431.4 | .03434 | .01276 | 463.36 | .00581 | F 44.455 |
| Stddev | .00005 | .00037 | 43.5   | .00104 | .00059 | 12.48  | .00009 | .945     |
| %RSD   | .04468 | 1.7198 | 3.0370 | 3.0304 | 4.6209 | 2.6943 | 1.5084 | 2.1254   |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .10188 | .02162 | 1400.7 | .03508 | .01235 | 454.53 | .00587 | 43.787 |
| #2 | .10195 | .02110 | 1462.1 | .03361 | .01318 | 472.19 | .00574 | 45.123 |

|        |          |          |         |        |        |         |        |        |
|--------|----------|----------|---------|--------|--------|---------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | F 138.68 | F 28.087 | -.04885 | .00198 | .03033 | F 19.14 | .01869 | 4.4047 |
| Stddev | .89      | .643     | .00044  | .00083 | .00350 | .07     | .00030 | .0297  |
| %RSD   | .63886   | 2.2877   | .90258  | 41.873 | 11.530 | .3896   | 1.5794 | .67416 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 139.31 | 27.633 | -.04916 | .00139 | .02786 | 19.19 | .01849 | 4.4257 |
| #2 | 138.05 | 28.542 | -.04853 | .00256 | .03280 | 19.09 | .01890 | 4.3837 |

Sample Name: J5538-23      Acquired: 10/19/2018 20:59:13      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BS01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.8030  
Stddev      .1673  
%RSD      4.3981

#1      3.9213  
#2      3.6847

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2213.2 | 33304. | 4523.1 | 109.99 | 2615.9 |
| Stddev    | 14.4   | 68.    | 89.3   | 3.51   | 18.1   |
| %RSD      | .65137 | .20415 | 1.9745 | 3.1918 | .69159 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2203.0 | 33256. | 4586.2 | 112.47 | 2603.2 |
| #2 | 2223.4 | 33352. | 4459.9 | 107.51 | 2628.7 |

Sample Name: J5538-24      Acquired: 10/19/2018 21:03:20      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CNS01      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |         |        |         |
|--------|--------|---------|--------|---------|---------|---------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00236 | -.00609 | .13846 | -.00585 | -.23112 | -.13278 | .00859 | -.00004 |
| Stddev | .00599 | .00133  | .00157 | .00334  | .00096  | .00680  | .00002 | .00005  |
| %RSD   | 254.25 | 21.844  | 1.1305 | 57.096  | .41729  | 5.1238  | .21704 | 131.05  |

|    |         |         |        |         |         |         |        |         |
|----|---------|---------|--------|---------|---------|---------|--------|---------|
| #1 | .00659  | -.00515 | .13957 | -.00821 | -.23044 | -.13759 | .00857 | -.00008 |
| #2 | -.00188 | -.00703 | .13736 | -.00349 | -.23180 | -.12797 | .00860 | -.00000 |

|        |         |        |        |        |        |         |        |        |
|--------|---------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.04227 | 1.2721 | .09479 | .07656 | 133.70 | -.41255 | .00139 | .51639 |
| Stddev | .00008  | .0139  | .00112 | .00011 | .07    | .00475  | .00008 | .00653 |
| %RSD   | .18903  | 1.0947 | 1.1844 | .14353 | .04999 | 1.1516  | 5.4236 | 1.2642 |

|    |         |        |        |        |        |         |        |        |
|----|---------|--------|--------|--------|--------|---------|--------|--------|
| #1 | -.04233 | 1.2819 | .09400 | .07664 | 133.65 | -.41591 | .00134 | .51177 |
| #2 | -.04221 | 1.2622 | .09559 | .07649 | 133.75 | -.40919 | .00144 | .52100 |

|        |          |        |        |         |         |        |        |        |
|--------|----------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 215.96 | .00646 | 529.55 | -.00119 | -.09969 | 872.15 | .00894 | 6.7586 |
| Stddev | 1.89     | .00072 | 1.42   | .00010  | .02121  | .84    | .00040 | .0172  |
| %RSD   | .87736   | 11.091 | .26874 | 8.0845  | 21.279  | .09587 | 4.4398 | .25383 |

|    |        |        |        |         |         |        |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|--------|
| #1 | 214.62 | .00595 | 530.56 | -.00125 | -.11469 | 872.74 | .00866 | 6.7465 |
| #2 | 217.30 | .00697 | 528.55 | -.00112 | -.08469 | 871.56 | .00922 | 6.7707 |

|        |          |        |         |        |        |        |        |        |
|--------|----------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 34.588 | 1.1933 | -.01109 | .09725 | .01511 | 1.110  | .00334 | 4.3585 |
| Stddev | .078     | .0069  | .00015  | .00168 | .00003 | .005   | .00005 | .2140  |
| %RSD   | .22569   | .57418 | 1.3654  | 1.7239 | .18599 | .4926  | 1.3829 | 4.9089 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 34.643 | 1.1884 | -.01119 | .09606 | .01513 | 1.114 | .00337 | 4.2072 |
| #2 | 34.533 | 1.1981 | -.01098 | .09843 | .01509 | 1.106 | .00331 | 4.5098 |

Sample Name: J5538-24      Acquired: 10/19/2018 21:03:20      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CNS01      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.7644 |
| Stddev | .0513  |
| %RSD   | 1.8566 |

|    |        |
|----|--------|
| #1 | 2.7281 |
| #2 | 2.8007 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2180.2 | 34776. | 4561.8 | 105.24 | 2671.6 |
| Stddev    | 4.6    | 330.   | 2.6    | 2.17   | 11.9   |
| %RSD      | .21007 | .94804 | .05700 | 2.0605 | .44520 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2177.0 | 35010. | 4563.7 | 106.78 | 2663.1 |
| #2 | 2183.5 | 34543. | 4560.0 | 103.71 | 2680.0 |

Sample Name: CCV11      Acquired: 10/19/2018 21:07:37      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14029      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |          |        |        |         |        |          |
|--------|--------|--------|----------|--------|--------|---------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203   | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | 4.8513 | 4.6743 | 4.5411   | 4.8728 | 5.0132 | 10.413  | 9.7626 | .24055   |
| Stddev | .0137  | .0073  | .0082    | .0012  | .0231  | .094    | .0065  | .00148   |
| %RSD   | .28253 | .15619 | .18042   | .02463 | .46134 | .89916  | .06655 | .61386   |
| #1     | 4.8416 | 4.6691 | 4.5353   | 4.8720 | 4.9968 | 10.346  | 9.7672 | .23950   |
| #2     | 4.8610 | 4.6794 | 4.5469   | 4.8737 | 5.0296 | 10.479  | 9.7580 | .24159   |
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | 2.4699 | 25.438 | .95152   | 2.2710 | 1.2253 | 4.8708  | 2.3962 | 23.223   |
| Stddev | .0083  | .019   | .00578   | .0028  | .0062  | .1329   | .0179  | .003     |
| %RSD   | .33777 | .07313 | .60748   | .12181 | .50678 | 2.7288  | .74493 | .01380   |
| #1     | 2.4640 | 25.425 | .94743   | 2.2690 | 1.2209 | 4.9648  | 2.3835 | 23.225   |
| #2     | 2.4758 | 25.451 | .95560   | 2.2730 | 1.2296 | 4.7768  | 2.4088 | 23.221   |
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | 2.3892 | 1.2129 | 23.384   | 2.4412 | 2.2507 | 25.071  | 4.9141 | 4.7876   |
| Stddev | .0026  | .0069  | .013     | .0236  | .0464  | .056    | .0125  | .0431    |
| %RSD   | .11022 | .56587 | .05515   | .96552 | 2.0638 | .22306  | .25404 | .90043   |
| #1     | 2.3873 | 1.2081 | 23.375   | 2.4246 | 2.2836 | 25.032  | 4.9052 | 4.8181   |
| #2     | 2.3910 | 1.2178 | 23.393   | 2.4579 | 2.2179 | 25.111  | 4.9229 | 4.7571   |
| Elem   | S_1820 | Si2881 | Sn1899   | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | 4.6421 | 4.8285 | F 4.4342 | 4.7202 | 4.9485 | F 4.479 | 4.7173 | F 3.8288 |
| Stddev | .0179  | .0092  | .0061    | .0152  | .0029  | .001    | .0006  | .2469    |
| %RSD   | .38560 | .19021 | .13743   | .32187 | .05844 | .0244   | .01243 | 6.4485   |
| #1     | 4.6294 | 4.8349 | 4.4299   | 4.7310 | 4.9506 | 4.480   | 4.7177 | 3.6542   |
| #2     | 4.6548 | 4.8220 | 4.4385   | 4.7095 | 4.9465 | 4.479   | 4.7169 | 4.0033   |

Sample Name: CCV11      Acquired: 10/19/2018 21:07:37      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14029      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.2907  
Stddev      .2219  
%RSD      9.6873

#1      2.1338  
#2      2.4477

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2533.0 | 39107. | 4618.8 | 112.72 | 3217.2 |
| Stddev    | .8     | 302.   | 11.2   | 2.67   | 4.3    |
| %RSD      | .03325 | .77159 | .24207 | 2.3652 | .13268 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2533.6 | 39321. | 4610.9 | 110.83 | 3214.2 |
| #2 | 2532.4 | 38894. | 4626.7 | 114.60 | 3220.2 |

Sample Name: CCB11      Acquired: 10/19/2018 21:11:22      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14029      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00255  | .00206  | -.00211 | .00104  | -.00063 | .00071  | -.00137 | -.00001  |
| Stddev | .00012  | .00095  | .00118  | .00096  | .00027  | .00598  | .00095  | .00002   |
| %RSD   | 4.9054  | 46.099  | 55.644  | 92.624  | 42.578  | 840.56  | 69.086  | 137.43   |
| #1     | .00263  | .00273  | -.00295 | .00172  | -.00082 | -.00352 | -.00070 | -.00000  |
| #2     | .00246  | .00139  | -.00128 | .00036  | -.00044 | .00494  | -.00204 | -.00003  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00001 | -.01322 | .00028  | -.00006 | .00071  | .00206  | .00005  | .05109   |
| Stddev | .00001  | .01005  | .00001  | .00003  | .00007  | .01099  | .00004  | .05771   |
| %RSD   | 211.70  | 76.029  | 3.8819  | 56.098  | 9.6456  | 534.15  | 84.985  | 112.96   |
| #1     | .00000  | -.00611 | .00027  | -.00003 | .00076  | -.00572 | .00002  | .01028   |
| #2     | -.00002 | -.02032 | .00028  | -.00008 | .00066  | .00983  | .00007  | .09190   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00245  | .00008  | .24779  | -.00051 | -.00058 | .44254  | .00069  | .01309   |
| Stddev | .00019  | .00032  | .01712  | .00012  | .00002  | .00836  | .00039  | .00695   |
| %RSD   | 7.9699  | 409.76  | 6.9105  | 23.757  | 3.7175  | 1.8900  | 56.644  | 53.103   |
| #1     | .00258  | -.00015 | .25990  | -.00059 | -.00057 | .43662  | .00097  | .00817   |
| #2     | .00231  | .00030  | .23568  | -.00042 | -.00060 | .44845  | .00042  | .01800   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00283 | -.00245 | -.00108 | -.00039 | .00081  | .0016   | .00016  | F 1.4818 |
| Stddev | .00090  | .00100  | .00132  | .00041  | .00004  | .0009   | .00001  | .1850    |
| %RSD   | 31.793  | 41.022  | 121.98  | 105.16  | 4.5521  | 56.05   | 6.6369  | 12.487   |
| #1     | -.00347 | -.00174 | -.00202 | -.00068 | .00083  | .0023   | .00015  | 1.3510   |
| #2     | -.00219 | -.00316 | -.00015 | -.00010 | .00078  | .0010   | .00016  | 1.6126   |

Sample Name: CCB11      Acquired: 10/19/2018 21:11:22      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14029      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .14843 |
| Stddev | .14390   |
| %RSD   | 96.951   |

|    |        |
|----|--------|
| #1 | .25019 |
| #2 | .04667 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2586.2 | 41111. | 4759.2 | 118.43 | 3502.6 |
| Stddev    | 11.4   | 80.    | 74.8   | 3.28   | 12.3   |
| %RSD      | .43979 | .19361 | 1.5715 | 2.7663 | .35001 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2578.2 | 41054. | 4706.3 | 116.12 | 3494.0 |
| #2 | 2594.2 | 41167. | 4812.1 | 120.75 | 3511.3 |

Sample Name: J5195-04      Acquired: 10/19/2018 21:15:27      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00235 | -.00079 | .05209 | .00441 | -.00350 | .05232 | .13476 | -.00006 |
| Stddev | .00095 | .00028  | .00097 | .00132 | .00151  | .01015 | .00000 | .00005  |
| %RSD   | 40.276 | 35.908  | 1.8693 | 29.870 | 43.068  | 19.401 | .00256 | 85.100  |

|    |        |         |        |        |         |        |        |         |
|----|--------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00168 | -.00100 | .05140 | .00348 | -.00456 | .05950 | .13476 | -.00002 |
| #2 | .00303 | -.00059 | .05278 | .00535 | -.00243 | .04514 | .13477 | -.00010 |

|        |        |        |         |        |        |         |        |        |
|--------|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00050 | 151.53 | -.00010 | .01346 | .00656 | -.03259 | .44955 | 1.7873 |
| Stddev | .00006 | .14    | .00051  | .00018 | .00014 | .01520  | .00026 | .0222  |
| %RSD   | 12.422 | .09285 | 510.24  | 1.3731 | 2.0713 | 46.646  | .05788 | 1.2446 |

|    |        |        |         |        |        |         |        |        |
|----|--------|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00046 | 151.43 | -.00046 | .01359 | .00665 | -.02184 | .44973 | 1.7716 |
| #2 | .00055 | 151.63 | .00026  | .01333 | .00646 | -.04334 | .44936 | 1.8031 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00619 | -.00056 | 281.92 | .00030 | .06757 | 2.1957 | .00073 | .03844 |
| Stddev | .00012 | .00031  | 2.06   | .00040 | .00088 | .0005  | .00025 | .00468 |
| %RSD   | 1.9555 | 55.317  | .73241 | 132.47 | 1.3026 | .02450 | 34.939 | 12.174 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00611 | -.00078 | 283.38 | .00058 | .06695 | 2.1953 | .00055 | .03514 |
| #2 | .00628 | -.00034 | 280.46 | .00002 | .06819 | 2.1961 | .00091 | .04175 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4211 | 1.8829 | .00073 | -.00391 | .00636 | .0088  | .51250 | 6.5665 |
| Stddev | .0115  | .0020  | .00026 | .00162  | .00078 | .0009  | .00109 | .3657  |
| %RSD   | .47386 | .10709 | 35.684 | 41.511  | 12.270 | 10.25  | .21172 | 5.5699 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | 2.4130 | 1.8815 | .00055 | -.00276 | .00691 | .0094 | .51327 | 6.3079 |
| #2 | 2.4292 | 1.8843 | .00092 | -.00505 | .00581 | .0081 | .51174 | 6.8251 |

Sample Name: J5195-04      Acquired: 10/19/2018 21:15:27      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: JC-02-101818 Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.4630 |
| Stddev | .4052  |
| %RSD   | 16.451 |

|    |        |
|----|--------|
| #1 | 2.1765 |
| #2 | 2.7495 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2365.6 | 37359. | 4602.5 | 111.96 | 2987.2 |
| Stddev    | 6.4    | 104.   | 22.1   | 1.17   | 3.0    |
| %RSD      | .27029 | .27954 | .48047 | 1.0452 | .10104 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2361.1 | 37285. | 4586.9 | 112.79 | 2985.1 |
| #2 | 2370.1 | 37433. | 4618.2 | 111.14 | 2989.4 |

Sample Name: J5195-04DUP      Acquired: 10/19/2018 21:19:35      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818 Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00348 | -.00430 | .05216 | .00256 | -.00255 | .04961 | .13343 | -.00001 |
| Stddev | .00390 | .00073  | .00020 | .00226 | .00062  | .00063 | .00097 | .00001  |
| %RSD   | 112.16 | 17.034  | .38482 | 88.551 | 24.346  | 1.2627 | .72426 | 89.765  |

|    |        |         |        |        |         |        |        |         |
|----|--------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00624 | -.00482 | .05201 | .00416 | -.00298 | .04917 | .13274 | -.00001 |
| #2 | .00072 | -.00378 | .05230 | .00096 | -.00211 | .05006 | .13411 | -.00000 |

|        |        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00051 | 149.03 | .00003 | .01345 | .00582 | -.04601 | .44930 | 1.8235 |
| Stddev | .00002 | .80    | .00059 | .00021 | .00023 | .00918  | .00057 | .0134  |
| %RSD   | 3.0778 | .53758 | 1844.9 | 1.5584 | 3.8853 | 19.953  | .12670 | .73413 |

|    |        |        |         |        |        |         |        |        |
|----|--------|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00052 | 149.60 | -.00038 | .01360 | .00598 | -.05250 | .44970 | 1.8329 |
| #2 | .00050 | 148.47 | .00045  | .01330 | .00566 | -.03952 | .44890 | 1.8140 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00672 | -.00027 | 275.81 | -.00017 | .06732 | 2.1814 | .00088 | .03850 |
| Stddev | .00031 | .00019  | .20    | .00027  | .00063 | .0245  | .00009 | .00301 |
| %RSD   | 4.5636 | 71.486  | .07165 | 158.64  | .93848 | 1.1216 | 9.8075 | 7.8061 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00694 | -.00013 | 275.95 | -.00037 | .06688 | 2.1987 | .00094 | .04063 |
| #2 | .00651 | -.00041 | 275.67 | .00002  | .06777 | 2.1641 | .00082 | .03638 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4132 | 1.8584 | .00000 | -.00222 | .00639 | .0114  | .50545 | 6.6524 |
| Stddev | .0011  | .0280  | .00065 | .00132  | .00193 | .0013  | .00467 | .0488  |
| %RSD   | .04595 | 1.5044 | 14066. | 59.395  | 30.132 | 11.57  | .92428 | .73376 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 2.4124 | 1.8386 | -.00046 | -.00315 | .00503 | .0124 | .50875 | 6.6869 |
| #2 | 2.4139 | 1.8781 | .00046  | -.00129 | .00775 | .0105 | .50215 | 6.6179 |

Sample Name: J5195-04DUP      Acquired: 10/19/2018 21:19:35      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: JC-02-101818 Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.1792 |
| Stddev | .2562  |
| %RSD   | 11.759 |

|    |        |
|----|--------|
| #1 | 2.3604 |
| #2 | 1.9980 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2358.0 | 37281. | 4663.8 | 111.98 | 2973.0 |
| Stddev    | 10.6   | 118.   | 22.2   | .14    | 12.5   |
| %RSD      | .44823 | .31693 | .47650 | .12603 | .41881 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2350.5 | 37198. | 4648.1 | 111.88 | 2964.2 |
| #2 | 2365.5 | 37365. | 4679.5 | 112.08 | 2981.8 |

Sample Name: J5195-04LX5      Acquired: 10/19/2018 21:23:44      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7585      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00326 | .00015 | .00907 | .00234 | -.00137 | .01464 | .02688 | .00001 |
| Stddev | .00329 | .00070 | .00048 | .00025 | .00140  | .00974 | .00031 | .00003 |
| %RSD   | 100.80 | 455.59 | 5.2751 | 10.816 | 102.36  | 66.524 | 1.1671 | 314.05 |

|    |        |         |        |        |         |        |        |         |
|----|--------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00559 | .00065  | .00941 | .00216 | -.00236 | .02153 | .02665 | -.00001 |
| #2 | .00094 | -.00034 | .00873 | .00252 | -.00038 | .00775 | .02710 | .00003  |

|        |        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00006 | 31.595 | .00156 | .00275 | .00113 | -.00622 | .09635 | .43490 |
| Stddev | .00007 | .087   | .00038 | .00001 | .00014 | .00654  | .00012 | .02224 |
| %RSD   | 122.39 | .27423 | 24.550 | .40092 | 12.192 | 105.26  | .12620 | 5.1136 |

|    |        |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|--------|---------|--------|--------|
| #1 | .00011 | 31.533 | .00184 | .00274 | .00122 | -.00159 | .09627 | .45062 |
| #2 | .00001 | 31.656 | .00129 | .00276 | .00103 | -.01084 | .09644 | .41917 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00316 | .00037 | 58.377 | -.00002 | .01488 | .68568 | .00052 | .01793 |
| Stddev | .00034 | .00028 | .140   | .00007  | .00020 | .01561 | .00000 | .00232 |
| %RSD   | 10.630 | 76.132 | .24004 | 482.54  | 1.3325 | 2.2760 | .12420 | 12.936 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00293 | .00058 | 58.476 | -.00007 | .01502 | .67464 | .00052 | .01957 |
| #2 | .00340 | .00017 | 58.278 | .00004  | .01474 | .69671 | .00052 | .01629 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .48252 | .40636 | .00101 | .00033 | .00288 | .0021  | .10710 | 3.3890 |
| Stddev | .00161 | .00381 | .00061 | .00110 | .00134 | .0014  | .00009 | .1193  |
| %RSD   | .33316 | .93717 | 60.960 | 335.63 | 46.525 | 68.65  | .08199 | 3.5199 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | .48138 | .40906 | .00144 | -.00045 | .00193 | .0031 | .10703 | 3.4733 |
| #2 | .48366 | .40367 | .00057 | .00110  | .00383 | .0011 | .10716 | 3.3046 |

Sample Name: J5195-04LX5      Acquired: 10/19/2018 21:23:44      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA7585      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .68895 |
| Stddev | .03824 |
| %RSD   | 5.5504 |

|    |        |
|----|--------|
| #1 | .71598 |
| #2 | .66191 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2478.8 | 39072. | 4622.6 | 112.76 | 3232.1 |
| Stddev    | 2.3    | 45.    | 43.9   | 1.79   | 7.6    |
| %RSD      | .09184 | .11583 | .94945 | 1.5907 | .23401 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2477.2 | 39040. | 4591.6 | 111.49 | 3226.7 |
| #2 | 2480.4 | 39104. | 4653.6 | 114.03 | 3237.4 |

Sample Name: J5195-04MS      Acquired: 10/19/2018 21:27:48      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818      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    | 1.7798 | 3.9422 | 2.0590  | 4.4703 | 1.8307 | 4.9443 | .58073 | .43943 | .39838 |
| Stddev | .0083  | .0120  | .0012   | .0026  | .0038  | .0725  | .00741 | .00053 | .00020 |
| %RSD   | .46438 | .30391 | .05933  | .05752 | .20687 | 1.4662 | 1.2756 | .12051 | .05014 |
| #1     | 1.7856 | 3.9506 | 2.0598  | 4.4721 | 1.8334 | 4.9955 | .57549 | .43981 | .39824 |
| #2     | 1.7740 | 3.9337 | 2.0581  | 4.4685 | 1.8280 | 4.8930 | .58596 | .43906 | .39853 |
| Elem   | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 147.85 | .82196 | .42636  | .65819 | 5.9653 | .85160 | 5.9165 | 1.0053 | .15133 |
| Stddev | 1.58   | .00094 | .00065  | .00010 | .0194  | .00027 | .0112  | .0015  | .00112 |
| %RSD   | 1.0671 | .11470 | .15129  | .01484 | .32560 | .03116 | .18976 | .15146 | .73899 |
| #1     | 146.73 | .82263 | .42681  | .65826 | 5.9790 | .85141 | 5.9085 | 1.0063 | .15212 |
| #2     | 148.97 | .82130 | .42590  | .65812 | 5.9516 | .85179 | 5.9244 | 1.0042 | .15054 |
| 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    | 278.95 | .63024 | .44398  | 24.898 | .92049 | .67478 | 2.3093 | 3.7937 | 1.4191 |
| Stddev | 1.17   | .00153 | .00547  | .265   | .00122 | .00085 | .0210  | .0453  | .0044  |
| %RSD   | .41886 | .24305 | 1.2311  | 1.0647 | .13254 | .12591 | .90968 | 1.1951 | .30900 |
| #1     | 278.12 | .62916 | .44011  | 24.710 | .92135 | .67538 | 2.3242 | 3.7616 | 1.4222 |
| #2     | 279.78 | .63133 | .44784  | 25.085 | .91963 | .67418 | 2.2945 | 3.8257 | 1.4160 |
| Elem   | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |        |        |        |
| Avg    | .43673 | .48145 | F 12.47 | .92295 | 6.1725 | .39373 |        |        |        |
| Stddev | .00303 | .00069 | .04     | .00917 | .0678  | .03841 |        |        |        |
| %RSD   | .69474 | .14387 | .3133   | .99349 | 1.0982 | 9.7563 |        |        |        |
| #1     | .43887 | .48096 | 12.50   | .91647 | 6.1246 | .36657 |        |        |        |
| #2     | .43458 | .48194 | 12.45   | .92944 | 6.2204 | .42089 |        |        |        |

Sample Name: J5195-04MS      Acquired: 10/19/2018 21:27:48      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818 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       | 2358.2 | 37276. | 4536.3 | 112.59 | 2939.4 |
| Stddev    | 7.9    | 48.    | 46.2   | 1.23   | 10.3   |
| %RSD      | .33568 | .12783 | 1.0191 | 1.0889 | .35068 |
| #1        | 2352.6 | 37243. | 4569.0 | 113.46 | 2932.1 |
| #2        | 2363.8 | 37310. | 4503.6 | 111.72 | 2946.7 |

Sample Name: J5195-04MSD      Acquired: 10/19/2018 21:31:44      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818      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    | 1.7882 | 3.9429 | 2.0600 | 4.4769 | 1.8296 | 4.8873 | .58678 | .43956 | .39857 |
| Stddev | .0070  | .0014  | .0019  | .0141  | .0058  | .0529  | .00104 | .00103 | .00060 |
| %RSD   | .38937 | .03603 | .09002 | .31382 | .31791 | 1.0823 | .17793 | .23385 | .15045 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.7931 | 3.9439 | 2.0587 | 4.4868 | 1.8255 | 4.9247 | .58604 | .44028 | .39814 |
| #2 | 1.7832 | 3.9419 | 2.0613 | 4.4669 | 1.8337 | 4.8499 | .58751 | .43883 | .39899 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 148.94 | .82109 | .42723 | .65743 | 5.9249 | .84959 | 5.9126 | 1.0046 | .15067 |
| Stddev | .54    | .00104 | .00085 | .00180 | .0207  | .00139 | .0386  | .0009  | .00152 |
| %RSD   | .36334 | .12676 | .19951 | .27342 | .34906 | .16360 | .65300 | .09180 | 1.0121 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 148.56 | .82183 | .42783 | .65616 | 5.9103 | .85058 | 5.8853 | 1.0052 | .14959 |
| #2 | 149.33 | .82036 | .42663 | .65870 | 5.9396 | .84861 | 5.9399 | 1.0039 | .15174 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 281.48 | .62696 | .44526 | 25.117 | .91976 | .68027 | 2.3033 | 3.8297 | 1.4164 |
| Stddev | 1.12   | .00157 | .00551 | .037   | .00047 | .00385 | .0045  | .0448  | .0036  |
| %RSD   | .39717 | .24986 | 1.2381 | .14900 | .05158 | .56627 | .19342 | 1.1708 | .25349 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 280.69 | .62585 | .44136 | 25.091 | .91943 | .67754 | 2.3001 | 3.7980 | 1.4138 |
| #2 | 282.27 | .62807 | .44915 | 25.144 | .92010 | .68299 | 2.3064 | 3.8614 | 1.4189 |

|        |        |        |         |        |        |        |  |  |  |
|--------|--------|--------|---------|--------|--------|--------|--|--|--|
| Elem   | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859 |  |  |  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |  |  |  |
| Avg    | .43753 | .48209 | F 12.49 | .93092 | 6.2956 | .18421 |  |  |  |
| Stddev | .00037 | .00080 | .03     | .00107 | .1264  | .15612 |  |  |  |
| %RSD   | .08481 | .16543 | .2196   | .11529 | 2.0075 | 84.751 |  |  |  |

|    |        |        |       |        |        |        |  |  |  |
|----|--------|--------|-------|--------|--------|--------|--|--|--|
| #1 | .43780 | .48266 | 12.51 | .93016 | 6.3849 | .07382 |  |  |  |
| #2 | .43727 | .48153 | 12.47 | .93168 | 6.2062 | .29460 |  |  |  |

Sample Name: J5195-04MSD      Acquired: 10/19/2018 21:31:44      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818 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       | 2363.7 | 37392. | 4510.1 | 112.74 | 2947.6 |
| Stddev    | 10.6   | 87.    | 14.8   | .82    | 15.6   |
| %RSD      | .44720 | .23334 | .32775 | .73043 | .52832 |
| #1        | 2356.3 | 37330. | 4520.6 | 113.32 | 2936.6 |
| #2        | 2371.2 | 37454. | 4499.7 | 112.16 | 2958.6 |

Sample Name: J5195-04A      Acquired: 10/19/2018 21:35:39      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7585      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    | 1.7858 | 3.9332 | 2.0628  | 4.4748 | 1.8322 | 4.9097 | .58395 | .43965 | .39762 |
| Stddev | .0017  | .0068  | .0053   | .0285  | .0013  | .0253  | .00279 | .00175 | .00038 |
| %RSD   | .09404 | .17300 | .25816  | .63720 | .07110 | .51490 | .47707 | .39768 | .09449 |
| #1     | 1.7870 | 3.9284 | 2.0590  | 4.4950 | 1.8331 | 4.8919 | .58198 | .44089 | .39788 |
| #2     | 1.7846 | 3.9380 | 2.0666  | 4.4547 | 1.8313 | 4.9276 | .58592 | .43842 | .39735 |
| Elem   | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 149.68 | .81716 | .42686  | .65668 | 6.0616 | .84779 | 5.8962 | 1.0041 | .15110 |
| Stddev | .62    | .00307 | .00119  | .00130 | .1869  | .00118 | .0391  | .0006  | .00007 |
| %RSD   | .41287 | .37566 | .27802  | .19738 | 3.0827 | .13910 | .66316 | .06397 | .04486 |
| #1     | 149.25 | .81933 | .42602  | .65760 | 5.9295 | .84862 | 5.9238 | 1.0036 | .15105 |
| #2     | 150.12 | .81499 | .42770  | .65577 | 6.1937 | .84695 | 5.8685 | 1.0045 | .15115 |
| 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    | 280.27 | .62694 | .45555  | 25.131 | .91970 | .67051 | 2.3066 | 3.8243 | 1.4187 |
| Stddev | .11    | .00112 | .00467  | .115   | .00246 | .00416 | .0048  | .0242  | .0009  |
| %RSD   | .03903 | .17888 | 1.0242  | .45788 | .26770 | .62047 | .20700 | .63351 | .06353 |
| #1     | 280.20 | .62773 | .45225  | 25.050 | .92144 | .67345 | 2.3032 | 3.8072 | 1.4180 |
| #2     | 280.35 | .62615 | .45885  | 25.213 | .91796 | .66757 | 2.3100 | 3.8414 | 1.4193 |
| Elem   | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |        |        |        |
| Avg    | .43512 | .48225 | F 12.46 | .92757 | 6.5980 | .69355 |        |        |        |
| Stddev | .00216 | .00083 | .01     | .00140 | .3295  | .01910 |        |        |        |
| %RSD   | .49618 | .17218 | .0429   | .15068 | 4.9942 | 2.7538 |        |        |        |
| #1     | .43664 | .48284 | 12.46   | .92658 | 6.8310 | .68004 |        |        |        |
| #2     | .43359 | .48166 | 12.47   | .92856 | 6.3650 | .70705 |        |        |        |

Sample Name: J5195-04A      Acquired: 10/19/2018 21:35:39      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7585      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       | 2379.7 | 37352. | 4506.6 | 110.10 | 2965.9 |
| Stddev    | 18.3   | 95.    | .0     | 1.87   | 16.6   |
| %RSD      | .77102 | .25360 | .00057 | 1.6978 | .55979 |
| #1        | 2366.7 | 37285. | 4506.6 | 111.42 | 2954.2 |
| #2        | 2392.6 | 37419. | 4506.6 | 108.78 | 2977.7 |

Sample Name: J5195-06      Acquired: 10/19/2018 21:39:34      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: JC-02-101818      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 | -.00362 | .05104 | .00534 | -.00086 | .04796 | .14103 | -.00001 |
| Stddev | .00050  | .00074  | .00041 | .00080 | .00019  | .00146 | .00029 | .00000  |
| %RSD   | 392.91  | 20.539  | .80596 | 15.005 | 22.064  | 3.0360 | .20307 | 22.356  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00023  | -.00309 | .05133 | .00591 | -.00100 | .04899 | .14082 | -.00001 |
| #2 | -.00048 | -.00415 | .05075 | .00477 | -.00073 | .04693 | .14123 | -.00001 |

|        |        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00049 | 167.94 | .00126 | .02033 | .00634 | -.02448 | .47176 | 1.8422 |
| Stddev | .00001 | 2.30   | .00005 | .00007 | .00057 | .00454  | .00046 | .0149  |
| %RSD   | 1.7134 | 1.3707 | 3.7419 | .33674 | 8.9165 | 18.527  | .09664 | .80858 |

|    |        |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|--------|---------|--------|--------|
| #1 | .00048 | 166.31 | .00129 | .02038 | .00594 | -.02127 | .47144 | 1.8527 |
| #2 | .00049 | 169.57 | .00123 | .02028 | .00674 | -.02769 | .47208 | 1.8317 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00763 | -.00005 | 315.05 | .00066 | .06914 | 2.2068 | .00106 | .01654 |
| Stddev | .00035 | .00025  | .41    | .00002 | .00036 | .0208  | .00008 | .00026 |
| %RSD   | 4.5689 | 504.94  | .13072 | 2.5050 | .51400 | .94066 | 7.2958 | 1.5642 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00738 | -.00023 | 315.34 | .00067 | .06940 | 2.2215 | .00100 | .01673 |
| #2 | .00787 | .00013  | 314.76 | .00065 | .06889 | 2.1921 | .00111 | .01636 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3582 | 1.9012 | .00066 | -.00417 | .00762 | .0151  | .57964 | 6.9535 |
| Stddev | .0089  | .0245  | .00170 | .00128  | .00127 | .0008  | .00377 | .0504  |
| %RSD   | .37939 | 1.2868 | 255.14 | 30.655  | 16.725 | 5.162  | .65012 | .72451 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 2.3645 | 1.8839 | -.00053 | -.00326 | .00672 | .0156 | .57698 | 6.9892 |
| #2 | 2.3519 | 1.9185 | .00186  | -.00507 | .00852 | .0145 | .58231 | 6.9179 |

Sample Name: J5195-06      Acquired: 10/19/2018 21:39:34      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: JC-02-101818 Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.0902  
 Stddev      .0928  
 %RSD      4.4396

#1      2.1558  
 #2      2.0245

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2292.9 | 36219. | 4558.0 | 111.36 | 2894.0 |
| Stddev    | 13.7   | 71.    | 24.1   | .93    | 22.3   |
| %RSD      | .59647 | .19576 | .52937 | .83800 | .77210 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2283.3 | 36169. | 4575.0 | 110.70 | 2878.2 |
| #2 | 2302.6 | 36269. | 4540.9 | 112.02 | 2909.8 |

Sample Name: J5590-04      Acquired: 10/19/2018 21:43:44      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LS-SOIL-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    | -.00203 | -.00115 | .00621 | .00218 | .00080 | .18246 | .91855 | .00004 |
| Stddev | .00023  | .00018  | .00017 | .00085 | .00037 | .00252 | .00099 | .00010 |
| %RSD   | 11.115  | 15.915  | 2.7008 | 38.948 | 46.218 | 1.3804 | .10797 | 231.32 |

|    |         |         |        |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|--------|---------|
| #1 | -.00187 | -.00128 | .00609 | .00278 | .00106 | .18424 | .91925 | .00011  |
| #2 | -.00219 | -.00102 | .00633 | .00158 | .00054 | .18068 | .91785 | -.00003 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00033 | 9.6428 | .00290 | .00494 | .03778 | 1.2427 | .30953 | 1.3081 |
| Stddev | .00004 | .0161  | .00039 | .00017 | .00037 | .0374  | .00058 | .0352  |
| %RSD   | 12.935 | .16740 | 13.327 | 3.3428 | .96844 | 3.0138 | .18591 | 2.6936 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00030 | 9.6542 | .00317 | .00506 | .03804 | 1.2692 | .30912 | 1.2832 |
| #2 | .00036 | 9.6314 | .00262 | .00482 | .03752 | 1.2162 | .30993 | 1.3330 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .01501 | -.00034 | 352.32 | .00021 | .04487 | .98547 | -.00007 | .01659 |
| Stddev | .00004 | .00021  | 3.02   | .00060 | .00116 | .01373 | .00001  | .00161 |
| %RSD   | .29429 | 61.853  | .85806 | 283.49 | 2.5804 | 1.3929 | 19.342  | 9.6932 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .01497 | -.00019 | 354.46 | .00063  | .04569 | .97576 | -.00006 | .01545 |
| #2 | .01504 | -.00048 | 350.18 | -.00021 | .04406 | .99518 | -.00008 | .01772 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .39768 | .53488 | .00091 | .00250 | .00388 | .0075  | .09612 | 3.3959 |
| Stddev | .00461 | .00478 | .00060 | .00012 | .00010 | .0007  | .00004 | .3197  |
| %RSD   | 1.1601 | .89321 | 65.385 | 4.9433 | 2.6582 | 9.477  | .04395 | 9.4152 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .39442 | .53825 | .00049 | .00258 | .00395 | .0070 | .09609 | 3.1699 |
| #2 | .40095 | .53150 | .00134 | .00241 | .00381 | .0080 | .09615 | 3.6220 |

Sample Name: J5590-04      Acquired: 10/19/2018 21:43:44      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LS-SOIL-1      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.3981  
Stddev      .4108  
%RSD      29.379

#1      1.6886  
#2      1.1077

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2368.8 | 36974. | 4625.2 | 113.35 | 3008.2 |
| Stddev    | 16.3   | 105.   | 20.7   | 3.61   | 21.5   |
| %RSD      | .68624 | .28335 | .44776 | 3.1824 | .71423 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2357.3 | 36900. | 4610.6 | 110.80 | 2993.0 |
| #2 | 2380.3 | 37048. | 4639.8 | 115.91 | 3023.4 |

Sample Name: J5590-08      Acquired: 10/19/2018 21:47:54      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LS-SOIL-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    | -.00166 | -.00106 | .00494 | .00249 | -.00137 | .21597 | .24589 | .00050 |
| Stddev | .00564  | .00085  | .00036 | .00111 | .00131  | .00008 | .00239 | .00000 |
| %RSD   | 339.29  | 80.433  | 7.3396 | 44.659 | 95.142  | .03538 | .97207 | .68905 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00232  | -.00046 | .00468 | .00170 | -.00045 | .21592 | .24420 | .00050 |
| #2 | -.00565 | -.00166 | .00520 | .00327 | -.00230 | .21603 | .24758 | .00050 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00005 | 8.3634 | .00066 | .00291 | .05729 | 3.7536 | .31344 | 1.3497 |
| Stddev | .00003 | .0388  | .00045 | .00009 | .00109 | .0459  | .00216 | .0010  |
| %RSD   | 61.127 | .46330 | 68.923 | 3.0320 | 1.9088 | 1.2227 | .68931 | .07523 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00007 | 8.3360 | .00034 | .00285 | .05806 | 3.7211 | .31497 | 1.3504 |
| #2 | .00003 | 8.3908 | .00098 | .00297 | .05651 | 3.7860 | .31192 | 1.3490 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01025 | -.00071 | 335.83 | .00031 | .05661 | .74282 | .00023 | .01802 |
| Stddev | .00053 | .00040  | 3.57   | .00030 | .00050 | .02111 | .00006 | .00374 |
| %RSD   | 5.1807 | 55.602  | 1.0641 | 96.086 | .88823 | 2.8414 | 27.204 | 20.769 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00987 | -.00043 | 338.35 | .00052 | .05625 | .72790 | .00018 | .02066 |
| #2 | .01062 | -.00099 | 333.30 | .00010 | .05696 | .75775 | .00027 | .01537 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .16613 | .53788 | .00125 | .00449 | .00309 | .0147  | .03276 | 3.3878 |
| Stddev | .00127 | .00106 | .00017 | .00039 | .00095 | .0001  | .00014 | .3709  |
| %RSD   | .76554 | .19781 | 13.292 | 8.6392 | 30.886 | .7781  | .44249 | 10.947 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .16523 | .53713 | .00113 | .00476 | .00376 | .0148 | .03286 | 3.6500 |
| #2 | .16703 | .53864 | .00137 | .00421 | .00241 | .0147 | .03266 | 3.1255 |

Sample Name: J5590-08      Acquired: 10/19/2018 21:47:54      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LS-SOIL-2      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.1510  
Stddev      .1672  
%RSD      7.7712

#1      2.2691  
#2      2.0328

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2403.1 | 37340. | 4656.5 | 114.02 | 3036.7 |
| Stddev    | 12.2   | 190.   | 36.4   | .52    | 14.1   |
| %RSD      | .50652 | .50801 | .78267 | .45995 | .46487 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2394.5 | 37206. | 4630.7 | 114.39 | 3026.7 |
| #2 | 2411.7 | 37474. | 4682.3 | 113.65 | 3046.7 |

Sample Name: J5593-02      Acquired: 10/19/2018 21:52:04      Type: Unk  
Method: P4-ICP2(v2514)      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    | .00232 | .00179 | -.00099 | .00070 | -.00351 | .01861 | .00919 | .00001 |
| Stddev | .00100 | .00105 | .00165  | .00166 | .00023  | .00346 | .00041 | .00002 |
| %RSD   | 42.893 | 58.615 | 166.30  | 235.51 | 6.4652  | 18.591 | 4.4490 | 344.41 |

|    |        |        |         |         |         |        |        |         |
|----|--------|--------|---------|---------|---------|--------|--------|---------|
| #1 | .00162 | .00105 | -.00216 | -.00047 | -.00367 | .01617 | .00948 | .00002  |
| #2 | .00303 | .00254 | .00017  | .00187  | -.00335 | .02106 | .00890 | -.00001 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00010 | 26.326 | .00048 | .00007 | .00190 | .00105 | .00436 | 7.9989 |
| Stddev | .00000  | .238   | .00059 | .00023 | .00034 | .00384 | .00000 | .0872  |
| %RSD   | .32459  | .90275 | 123.81 | 319.13 | 17.912 | 366.34 | .09937 | 1.0907 |

|    |         |        |        |         |        |         |        |        |
|----|---------|--------|--------|---------|--------|---------|--------|--------|
| #1 | -.00010 | 26.494 | .00006 | .00023  | .00214 | -.00167 | .00435 | 8.0606 |
| #2 | -.00010 | 26.158 | .00089 | -.00009 | .00166 | .00377  | .00436 | 7.9372 |

|        |        |         |        |        |         |        |         |        |
|--------|--------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00178 | -.00022 | 43.799 | .00066 | -.00022 | 2.8657 | -.00010 | .02761 |
| Stddev | .00019 | .00006  | .266   | .00018 | .00003  | .0671  | .00000  | .00282 |
| %RSD   | 10.791 | 28.472  | .60675 | 27.733 | 15.829  | 2.3415 | 2.3089  | 10.208 |

|    |        |         |        |        |         |        |         |        |
|----|--------|---------|--------|--------|---------|--------|---------|--------|
| #1 | .00191 | -.00027 | 43.986 | .00079 | -.00019 | 2.9131 | -.00010 | .02562 |
| #2 | .00164 | -.00018 | 43.611 | .00053 | -.00024 | 2.8182 | -.00011 | .02961 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.6362 | 1.2493 | -.00183 | .00000 | -.00045 | .0640  | .12893 | 2.6004 |
| Stddev | .0078  | .0195  | .00092  | .00007 | .00125  | .0001  | .00071 | .0131  |
| %RSD   | .13763 | 1.5581 | 50.068  | 2018.9 | 278.53  | .1631  | .54946 | .50373 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | 5.6417 | 1.2631 | -.00247 | -.00004 | -.00133 | .0641 | .12943 | 2.6096 |
| #2 | 5.6307 | 1.2355 | -.00118 | .00005  | .00043  | .0640 | .12843 | 2.5911 |

Sample Name: J5593-02      Acquired: 10/19/2018 21:52:04      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.5812  
 Stddev      .3841  
 %RSD      24.292

#1      1.8528  
 #2      1.3096

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2657.6 | 41376. | 4710.5 | 116.73 | 3460.4 |
| Stddev    | 6.1    | 63.    | 22.1   | .61    | 9.0    |
| %RSD      | .22934 | .15188 | .46938 | .51967 | .26133 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2661.9 | 41332. | 4694.9 | 117.16 | 3466.8 |
| #2 | 2653.3 | 41420. | 4726.2 | 116.30 | 3454.0 |

Sample Name: CCV12      Acquired: 10/19/2018 21:56:08      Type: Unk  
Method: P4-ICP2(v2514)      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    | 4.9767 | 4.8340 | 4.6627 | 5.0383 | 5.1388 | 10.425 | 9.7904 | .23977   |
| Stddev | .0105  | .0128  | .0158  | .0063  | .0140  | .025   | .0021  | .00031   |
| %RSD   | .21125 | .26545 | .33873 | .12526 | .27197 | .24406 | .02188 | .12795   |
| #1     | 4.9842 | 4.8249 | 4.6515 | 5.0428 | 5.1486 | 10.407 | 9.7919 | .23956   |
| #2     | 4.9693 | 4.8431 | 4.6738 | 5.0339 | 5.1289 | 10.443 | 9.7889 | .23999   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.2621 | 25.166 | .95641 | 2.3143 | 1.2586 | 5.0157 | 2.3895 | 23.062   |
| Stddev | .0025  | .117   | .00237 | .0013  | .0006  | .0011  | .0010  | .138     |
| %RSD   | .11149 | .46644 | .24832 | .05745 | .04879 | .02112 | .04326 | .59902   |
| #1     | 2.2603 | 25.249 | .95473 | 2.3153 | 1.2591 | 5.0165 | 2.3888 | 22.965   |
| #2     | 2.2639 | 25.083 | .95809 | 2.3134 | 1.2582 | 5.0150 | 2.3902 | 23.160   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4719 | 1.2170 | 23.307 | 2.4639 | 2.2637 | 24.390 | 5.0158 | 4.7386   |
| Stddev | .0014  | .0028  | .052   | .0018  | .0044  | .080   | .0039  | .0135    |
| %RSD   | .05624 | .22936 | .22267 | .07322 | .19362 | .32620 | .07719 | .28557   |
| #1     | 2.4729 | 1.2151 | 23.344 | 2.4626 | 2.2668 | 24.446 | 5.0185 | 4.7290   |
| #2     | 2.4709 | 1.2190 | 23.271 | 2.4652 | 2.2606 | 24.334 | 5.0130 | 4.7481   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7755 | 4.7225 | 4.5577 | 4.7307 | 4.9260 | 4.639  | 4.7533 | F 3.6198 |
| Stddev | .0101  | .0165  | .0100  | .0130  | .0100  | .006   | .0003  | .0687    |
| %RSD   | .21091 | .35047 | .21975 | .27412 | .20330 | .1317  | .00549 | 1.8967   |
| #1     | 4.7826 | 4.7342 | 4.5648 | 4.7215 | 4.9331 | 4.644  | 4.7535 | 3.5712   |
| #2     | 4.7684 | 4.7108 | 4.5506 | 4.7398 | 4.9189 | 4.635  | 4.7531 | 3.6683   |

Sample Name: CCV12      Acquired: 10/19/2018 21:56:08      Type: Unk  
 Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 1.7423  
 Stddev      .3262  
 %RSD      18.721

#1      1.9729  
 #2      1.5116

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2451.4 | 38703. | 4611.4 | 110.12 | 3093.4 |
| Stddev    | 9.9    | 67.    | 32.7   | .49    | 8.1    |
| %RSD      | .40346 | .17265 | .70972 | .44723 | .26125 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2444.4 | 38656. | 4588.3 | 109.77 | 3087.7 |
| #2 | 2458.4 | 38750. | 4634.6 | 110.46 | 3099.2 |

Sample Name: CCB12      Acquired: 10/19/2018 21:59:53      Type: Unk  
Method: P4-ICP2(v2514)      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    | -.00063 | .00159 | -.00229 | .00003 | -.00132 | .00058 | -.00159 | -.00002 |
| Stddev | .00028  | .00010 | .00047  | .00242 | .00039  | .00207 | .00030  | .00003  |
| %RSD   | 44.299  | 6.0266 | 20.502  | 8084.7 | 29.637  | 357.55 | 19.038  | 206.56  |

|    |         |        |         |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|---------|
| #1 | -.00043 | .00152 | -.00262 | -.00168 | -.00160 | .00204  | -.00181 | -.00004 |
| #2 | -.00083 | .00166 | -.00196 | .00174  | -.00105 | -.00089 | -.00138 | .00001  |

|        |         |         |        |         |        |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00004 | -.01866 | .00052 | -.00023 | .00024 | .00580 | .00006 | .04179 |
| Stddev | .00005  | .00127  | .00030 | .00013  | .00005 | .00038 | .00008 | .00050 |
| %RSD   | 128.56  | 6.8048  | 56.504 | 54.838  | 20.722 | 6.5392 | 145.31 | 1.2067 |

|    |         |         |        |         |        |        |         |        |
|----|---------|---------|--------|---------|--------|--------|---------|--------|
| #1 | -.00000 | -.01776 | .00031 | -.00032 | .00021 | .00607 | .00011  | .04144 |
| #2 | -.00007 | -.01956 | .00073 | -.00014 | .00028 | .00553 | -.00000 | .04215 |

|        |        |         |        |         |         |        |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00219 | -.00044 | .04538 | -.00046 | -.00051 | .18137 | .00086 | .00115 |
| Stddev | .00003 | .00015  | .00481 | .00041  | .00003  | .01234 | .00020 | .00411 |
| %RSD   | 1.2762 | 33.789  | 10.590 | 90.364  | 5.6730  | 6.8041 | 22.988 | 356.26 |

|    |        |         |        |         |         |        |        |         |
|----|--------|---------|--------|---------|---------|--------|--------|---------|
| #1 | .00217 | -.00054 | .04198 | -.00075 | -.00049 | .17265 | .00072 | .00406  |
| #2 | .00220 | -.00033 | .04878 | -.00017 | -.00053 | .19010 | .00100 | -.00175 |

|        |         |         |         |         |         |        |        |          |
|--------|---------|---------|---------|---------|---------|--------|--------|----------|
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm      |
| Avg    | -.00353 | -.00407 | -.00047 | -.00020 | -.00034 | .0011  | .00010 | F 1.5240 |
| Stddev | .00292  | .00203  | .00081  | .00046  | .00119  | .0003  | .00007 | .3435    |
| %RSD   | 82.789  | 49.731  | 171.51  | 231.96  | 345.71  | 28.74  | 65.183 | 22.537   |

|    |         |         |         |         |         |       |        |        |
|----|---------|---------|---------|---------|---------|-------|--------|--------|
| #1 | -.00146 | -.00264 | .00010  | .00013  | .00050  | .0009 | .00015 | 1.2812 |
| #2 | -.00559 | -.00550 | -.00104 | -.00052 | -.00119 | .0014 | .00005 | 1.7669 |

Sample Name: CCB12      Acquired: 10/19/2018 21:59:53      Type: Unk  
Method: P4-ICP2(v2514)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .11807 |
| Stddev | .07809   |
| %RSD   | 66.134   |

|    |        |
|----|--------|
| #1 | .17329 |
| #2 | .06286 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2599.0 | 40968. | 4666.0 | 116.29 | 3485.4 |
| Stddev    | 4.4    | 108.   | 63.0   | 3.87   | 6.7    |
| %RSD      | .16831 | .26469 | 1.3505 | 3.3292 | .19229 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2595.9 | 40891. | 4621.4 | 113.55 | 3480.6 |
| #2 | 2602.1 | 41044. | 4710.6 | 119.03 | 3490.1 |