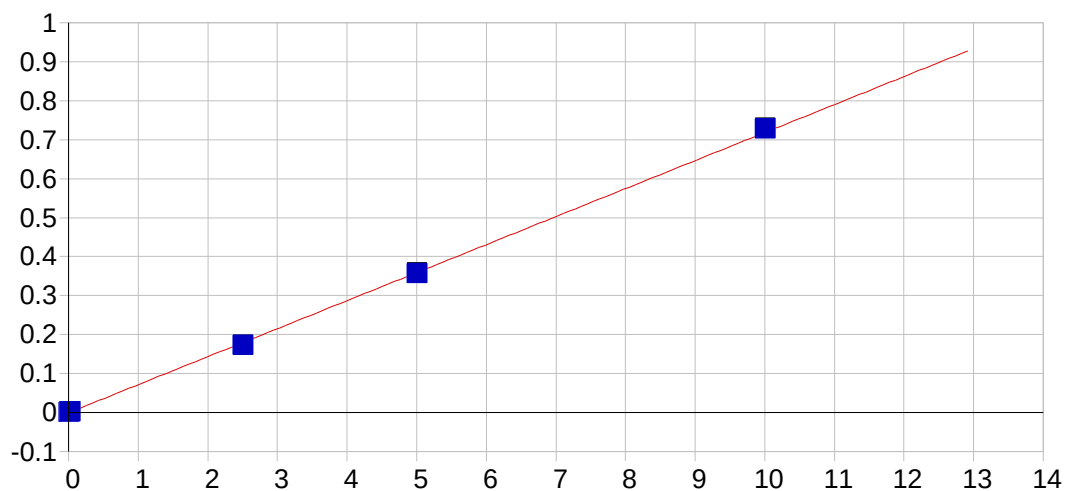


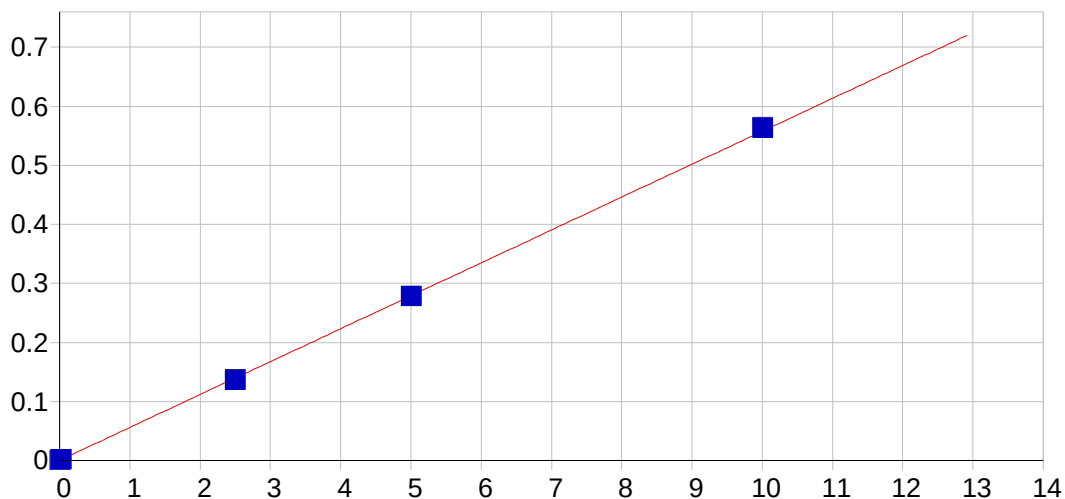


As 189.042 {478}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000335 Re-Slope: 1.000000  
 A1 (Gain): 0.071858 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999817 Status: OK.  
 Std Error of Est: 0.000033  
 Predicted MDL: 0.003547  
 Predicted MQL: 0.011823

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00033 | .000    | 1        |
| S1        | .02000       | .02179      | .002       | 8.97    | .00123  | .000    | 1        |
| S3        | 2.5000       | 2.3998      | -.100      | -4.01   | .17210  | .000    | 1        |
| S4        | 5.0000       | 4.9597      | -.040      | -.806   | .35604  | .002    | 1        |
| S5        | 10.000       | 10.139      | .139       | 1.39    | .72816  | .000    | 1        |



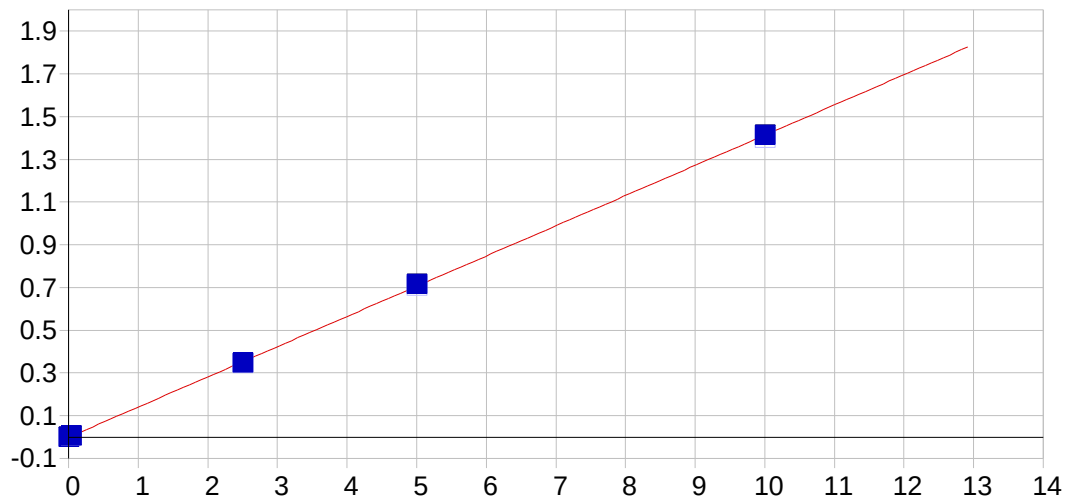
As 189.042 {479}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000263 Re-Slope: 1.000000

A1 (Gain): 0.055741 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999923 Status: OK.  
 Std Error of Est: 0.000017  
 Predicted MDL: 0.003261  
 Predicted MQL: 0.010869

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00026 | .000    | 1        |
| S1        | .02000       | .02052      | .001       | 2.61    | .00141 | .000    | 1        |
| S3        | 2.5000       | 2.4352      | -.065      | -2.59   | .13600 | .000    | 1        |
| S4        | 5.0000       | 4.9716      | -.028      | -.568   | .27739 | .001    | 1        |
| S5        | 10.000       | 10.093      | .093       | .927    | .56284 | .001    | 1        |

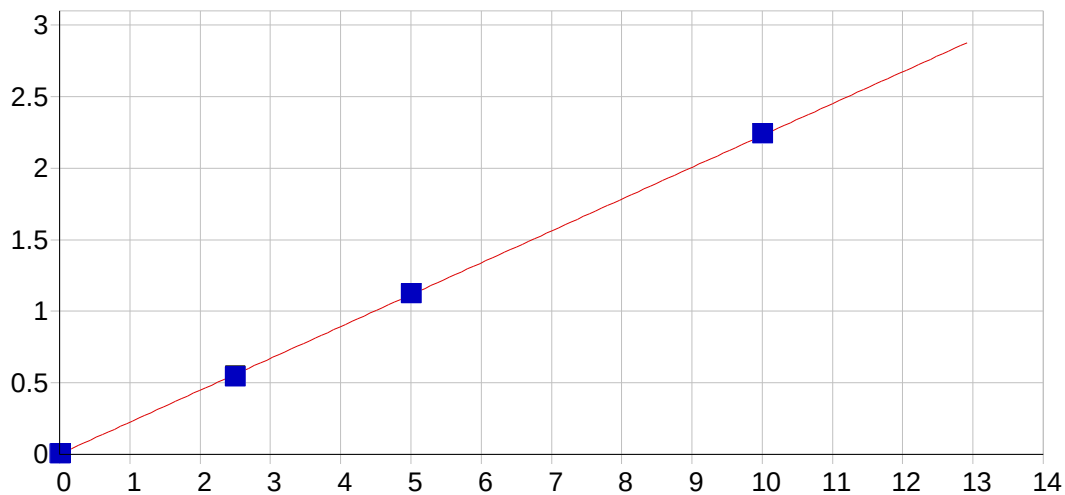


TI 190.856 {477}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000886 Re-Slope: 1.000000  
 A1 (Gain): 0.141435 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999937 Status: OK.  
 Std Error of Est: 0.000054  
 Predicted MDL: 0.001536  
 Predicted MQL: 0.005121

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00089 | .000    | 1        |
| S1        | .04000       | .04507      | .005       | 12.7    | .00534  | .000    | 1        |
| S3        | 2.5000       | 2.4505      | -.050      | -1.98   | .34207  | .002    | 1        |
| S4        | 5.0000       | 5.0523      | .052       | 1.05    | .70644  | .000    | 1        |
| S5        | 10.000       | 9.9922      | -.008      | -.078   | 1.3979  | .002    | 1        |

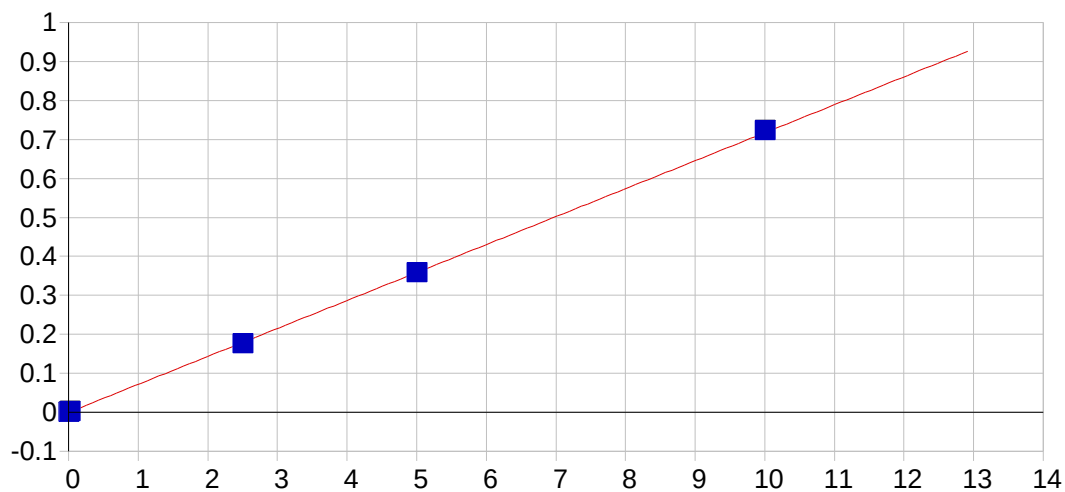


Pb 220.353 {453}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002848 Re-Slope: 1.000000  
 A1 (Gain): 0.222627 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999906 Status: OK.  
 Std Error of Est: 0.000057  
 Predicted MDL: 0.001389  
 Predicted MQL: 0.004629

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00285 | .000    | 1        |
| S1        | .01200       | .00886      | -.003      | -26.1   | .00477 | .000    | 1        |
| S3        | 2.5000       | 2.4281      | -.072      | -2.88   | .54264 | .001    | 1        |
| S4        | 5.0000       | 5.0303      | .030       | .605    | 1.1212 | .001    | 1        |
| S5        | 10.000       | 10.045      | .045       | .447    | 2.2360 | .000    | 1        |



Se 196.090 {472}

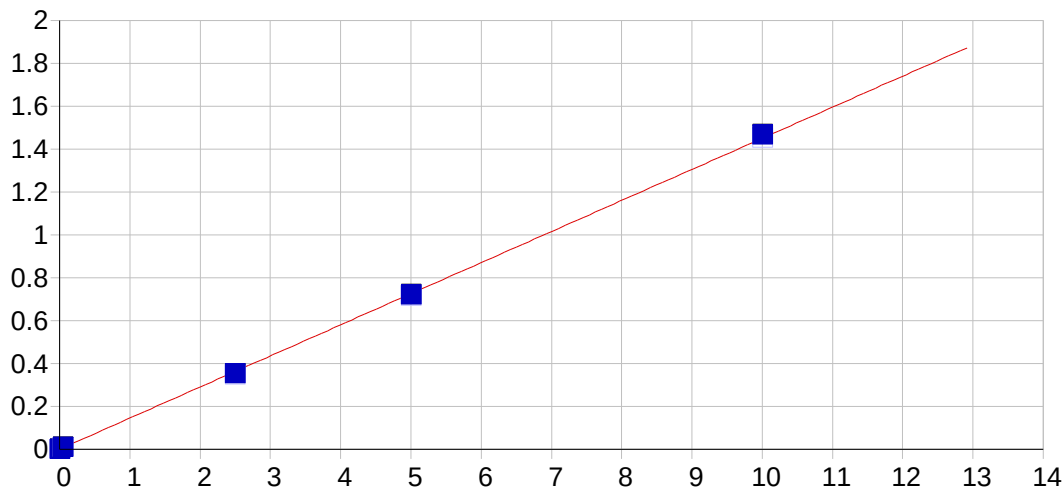
Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000002 Re-Slope: 1.000000  
 A1 (Gain): 0.071719 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999945  
 Std Error of Est: 0.000018  
 Predicted MDL: 0.003412  
 Predicted MQL: 0.011373

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00000 | .000    | 1        |
| S1        | .02000       | .02058      | .001       | 2.89    | .00147  | .000    | 1        |
| S3        | 2.5000       | 2.4408      | -.059      | -2.37   | .17503  | .001    | 1        |
| S4        | 5.0000       | 4.9894      | -.011      | -.211   | .35779  | .001    | 1        |
| S5        | 10.000       | 10.069      | .069       | .692    | .72206  | .000    | 1        |



Sb 206.833 {463}

Date of Fit: 10/18/2018 10:44:02

Type of Fit: Linear

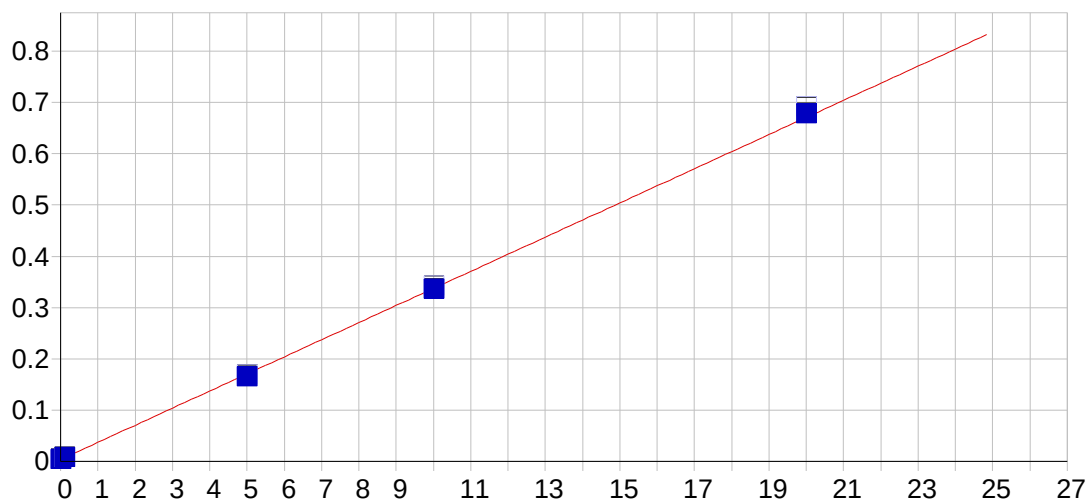
Weighting: 1/Conc

A0 (Offset): 0.000709  
 A1 (Gain): 0.144991  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999872  
 Std Error of Est: 0.000088  
 Predicted MDL: 0.002061  
 Predicted MQL: 0.006869

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    | .00071 | .000    | 1        |
| S1        | .05000       | .05296      | .003       | 5.91    | .00821 | .000    | 1        |
| S3        | 2.5000       | 2.4183      | -.082      | -3.27   | .34727 | .001    | 1        |
| S4        | 5.0000       | 4.9647      | -.035      | -.706   | .71239 | .001    | 1        |
| S5        | 10.000       | 10.114      | .114       | 1.14    | 1.4508 | .000    | 1        |

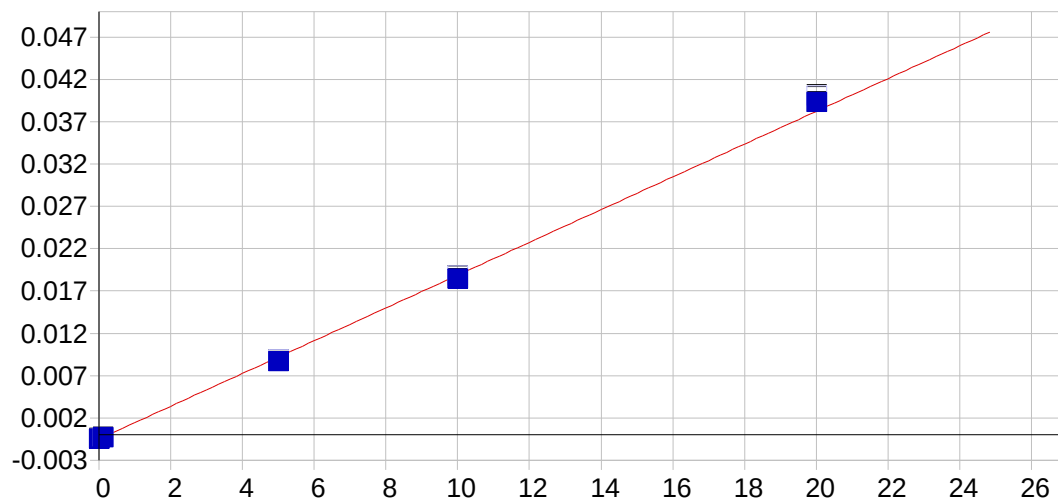


AI 308.215 {109}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003780 Re-Slope: 1.000000  
 A1 (Gain): 0.033352 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999895 Status: OK.  
 Std Error of Est: 0.000038  
 Predicted MDL: 0.003981  
 Predicted MQL: 0.013270

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00378 | .000    | 1        |
| S1        | .10000       | .10631      | .006       | 6.31    | .00756 | .000    | 1        |
| S3        | 5.0000       | 4.8441      | -.156      | -3.12   | .16867 | .000    | 1        |
| S4        | 10.000       | 9.9438      | -.056      | -.562   | .34207 | .000    | 1        |
| S5        | 20.000       | 20.205      | .205       | 1.03    | .69096 | .001    | 1        |



AI 309.271 {109}

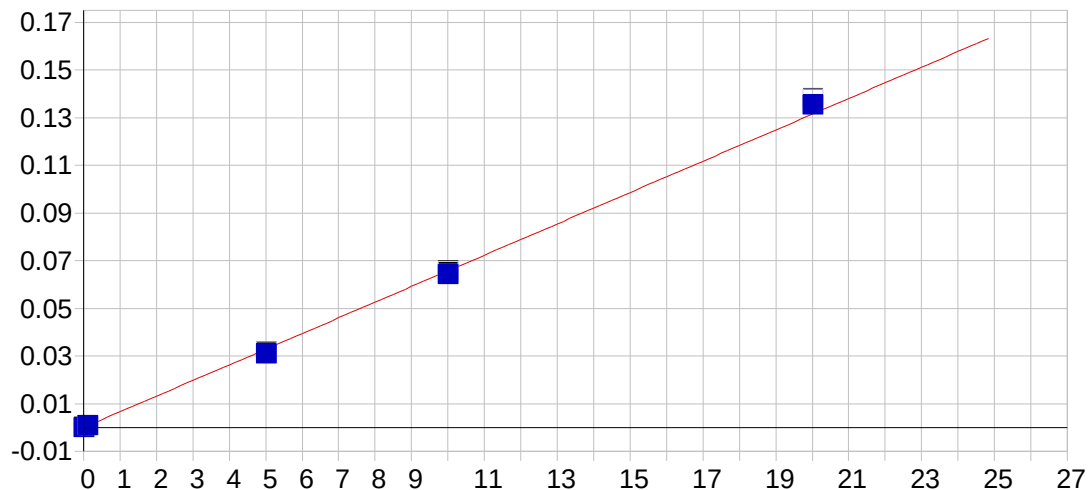
Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000483 Re-Slope: 1.000000  
 A1 (Gain): 0.001936 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999477  
 Std Error of Est: 0.000005  
 Predicted MDL: 0.041311  
 Predicted MQL: 0.137703

Status: OK.

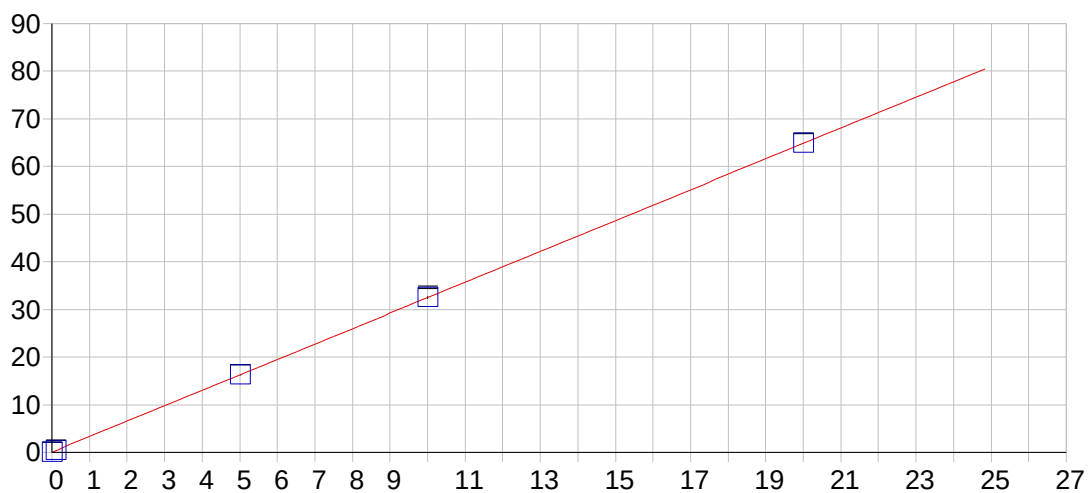
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | -.00048 | .000    | 1        |
| S1        | .10000       | .08521      | -.015      | -14.8   | -.00031 | .000    | 1        |
| S3        | 5.0000       | 4.7247      | -.275      | -5.51   | .00885  | .000    | 1        |
| S4        | 10.000       | 9.7498      | -.250      | -2.50   | .01877  | .000    | 1        |
| S5        | 20.000       | 20.541      | .541       | 2.71    | .04005  | .000    | 1        |



Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000005 Re-Slope: 1.000000  
 A1 (Gain): 0.006571 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999425 Status: OK.  
 Std Error of Est: 0.000017  
 Predicted MDL: 0.018499  
 Predicted MQL: 0.061664

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00001 | .000    | 1        |
| S1        | .10000       | .09622      | -.004      | -3.78   | .00068 | .000    | 1        |
| S3        | 5.0000       | 4.6926      | -.307      | -6.15   | .03150 | .000    | 1        |
| S4        | 10.000       | 9.7406      | -.259      | -2.59   | .06532 | .000    | 1        |
| S5        | 20.000       | 20.571      | .571       | 2.85    | .13780 | .000    | 1        |

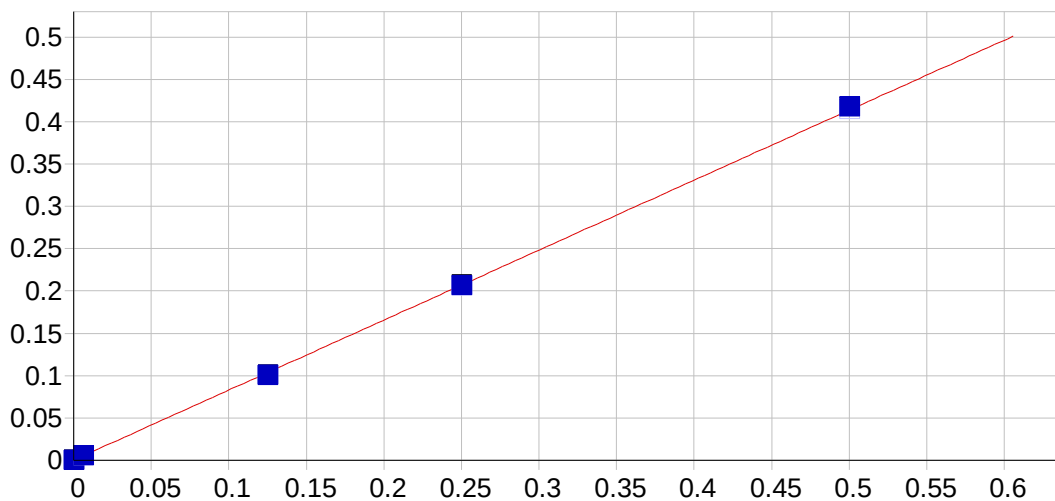


Ba 493.409 { 68}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.062244 Re-Slope: 1.000000  
 A1 (Gain): 3.239400 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999981 Status: OK.  
 Std Error of Est: 0.001516  
 Predicted MDL: 0.000964  
 Predicted MQL: 0.003212

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .06221 | .002    | 1        |
| S1        | .10000       | .11109      | .011       | 11.1    | .42211 | .003    | 1        |
| S3        | 5.0000       | 4.9822      | -.018      | -.356   | 16.202 | .006    | 1        |
| S5        | 20.000       | 19.993      | -.007      | -.035   | 64.828 | .112    | 1        |
| S4        | 10.000       | 10.014      | .014       | .137    | 32.501 | .269    | 1        |



Be 234.861 {144}

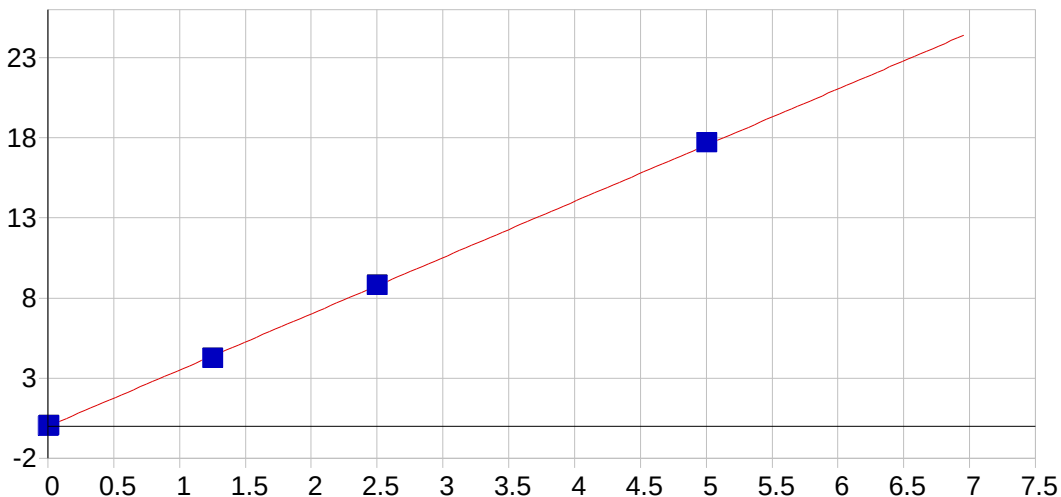
Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000277 Re-Slope: 1.000000  
 A1 (Gain): 0.826686 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999909  
 Std Error of Est: 0.000033  
 Predicted MDL: 0.000096  
 Predicted MQL: 0.000319

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00028 | .000    | 1        |
| S1        | .00600       | .00614      | .000       | 2.31    | .00530 | .000    | 1        |
| S3        | .12500       | .12112      | -.004      | -3.10   | .09976 | .000    | 1        |
| S4        | .25000       | .24965      | -.000      | -.140   | .20536 | .000    | 1        |
| S5        | .50000       | .50409      | .004       | .818    | .41440 | .000    | 1        |



Cd 226.502 {449}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

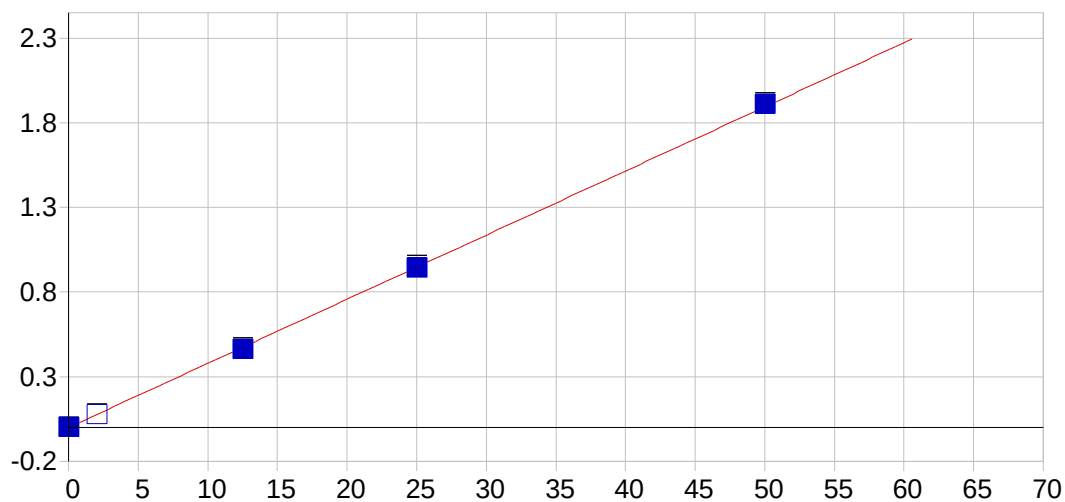
A0 (Offset): -0.001071  
 A1 (Gain): 3.508263  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999880  
 Std Error of Est: 0.000509  
 Predicted MDL: 0.000106  
 Predicted MQL: 0.000354

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    | -.00107 | .000    | 1        |
| S1        | .00600       | .00578      | -.000      | -3.60   | .01926  | .000    | 1        |
| S3        | 1.2500       | 1.2031      | -.047      | -3.75   | 4.2209  | .018    | 1        |
| S4        | 2.5000       | 2.5065      | .007       | .260    | 8.7944  | .002    | 1        |
| S5        | 5.0000       | 5.0406      | .041       | .811    | 17.687  | .023    | 1        |



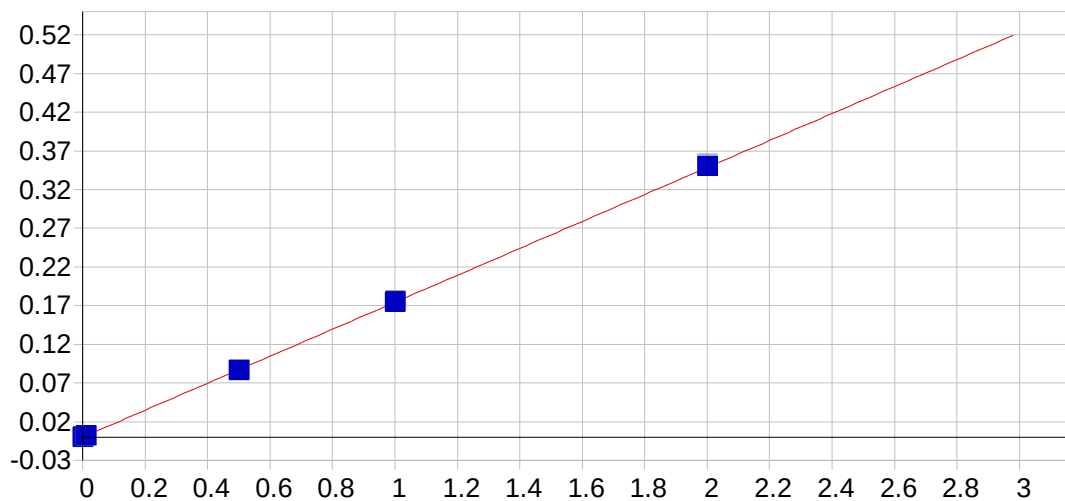


Ca 373.690 { 90}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000277 Re-Slope: 1.000000  
 A1 (Gain): 0.037874 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999935 Status: OK.  
 Std Error of Est: 0.000236  
 Predicted MDL: 0.026842  
 Predicted MQL: 0.089472

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.0340      | .034       | 1.70    | .07731 | .002    | 1        |
| S0        | .00000       | .00001      | .000       | .000    | .00028 | .001    | 1        |
| S3        | 12.500       | 12.210      | -.290      | -2.32   | .46295 | .005    | 1        |
| S4        | 25.000       | 24.847      | -.153      | -.612   | .94182 | .014    | 1        |
| S5        | 50.000       | 50.410      | .410       | .819    | 1.9105 | .008    | 1        |



Cr 267.716 {126}

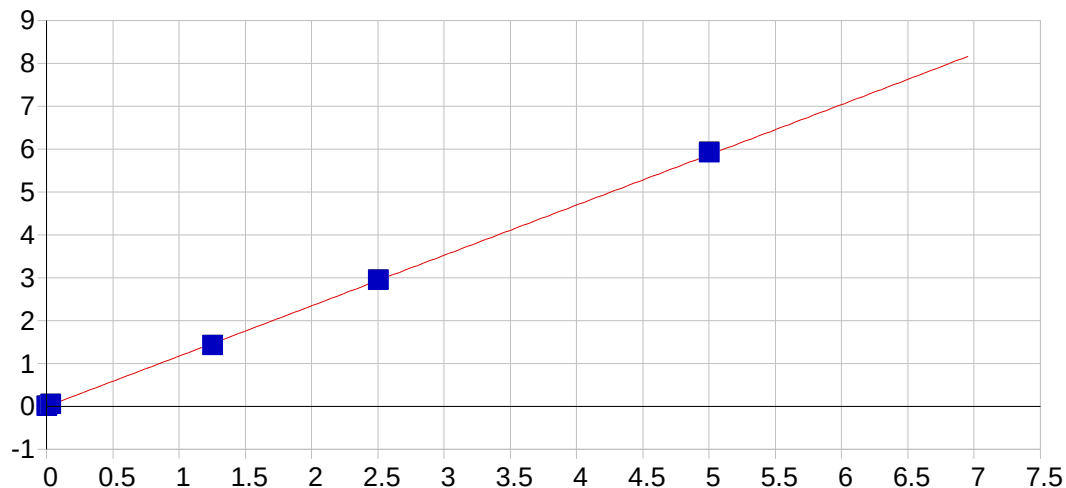
Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000073 Re-Slope: 1.000000  
 A1 (Gain): 0.174323 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999978  
 Std Error of Est: 0.000009  
 Predicted MDL: 0.000615  
 Predicted MQL: 0.002048

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00007 | .000    | 1        |
| S1        | .01000       | .01041      | .000       | 4.13    | .00175  | .000    | 1        |
| S3        | .50000       | .49221      | -.008      | -1.56   | .08638  | .000    | 1        |
| S4        | 1.0000       | 1.0013      | .001       | .131    | .17578  | .001    | 1        |
| S5        | 2.0000       | 2.0061      | .006       | .303    | .35223  | .000    | 1        |



Co 228.616 {447}

Date of Fit: 10/18/2018 10:44:02

Type of Fit: Linear

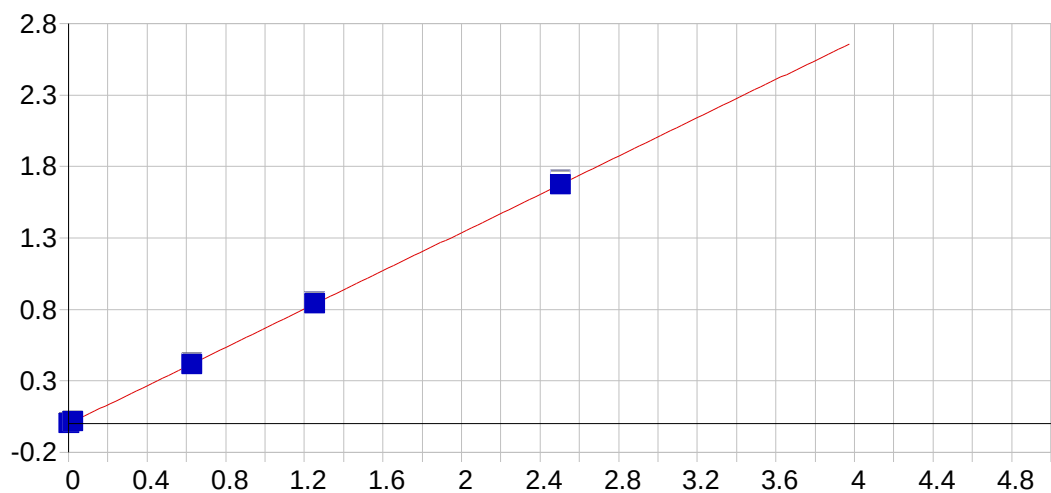
Weighting: 1/Conc

A0 (Offset): -0.000151  
 A1 (Gain): 1.173829  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999867  
 Std Error of Est: 0.000401  
 Predicted MDL: 0.000288  
 Predicted MQL: 0.000961

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    | -.00015 | .000    | 1        |
| S1        | .03000       | .03234      | .002       | 7.81    | .03758  | .001    | 1        |
| S3        | 1.2500       | 1.2025      | -.047      | -3.80   | 1.4126  | .005    | 1        |
| S4        | 2.5000       | 2.5035      | .004       | .141    | 2.9409  | .000    | 1        |
| S5        | 5.0000       | 5.0416      | .042       | .832    | 5.9224  | .002    | 1        |

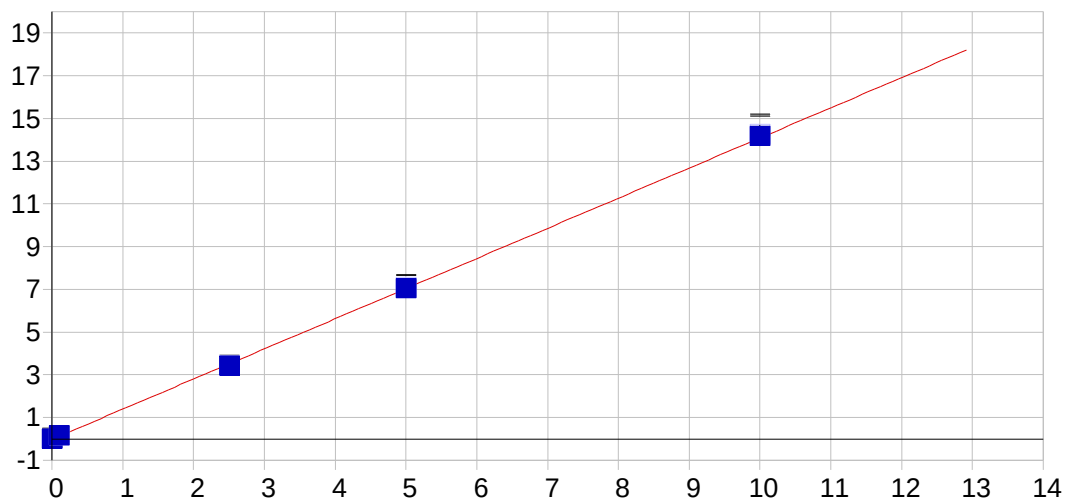


Cu 224.700 {450}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000326 Re-Slope: 1.000000  
 A1 (Gain): 0.669064 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999986 Status: OK.  
 Std Error of Est: 0.000044  
 Predicted MDL: 0.000597  
 Predicted MQL: 0.001991

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00033 | .000    | 1        |
| S1        | .02000       | .02147      | .001       | 7.34    | .01427  | .000    | 1        |
| S3        | .62500       | .62158      | -.003      | -.548   | .42298  | .001    | 1        |
| S4        | 1.2500       | 1.2522      | .002       | .175    | .85232  | .001    | 1        |
| S5        | 2.5000       | 2.4998      | -.000      | -.009   | 1.7019  | .001    | 1        |



Fe 240.488 {140}

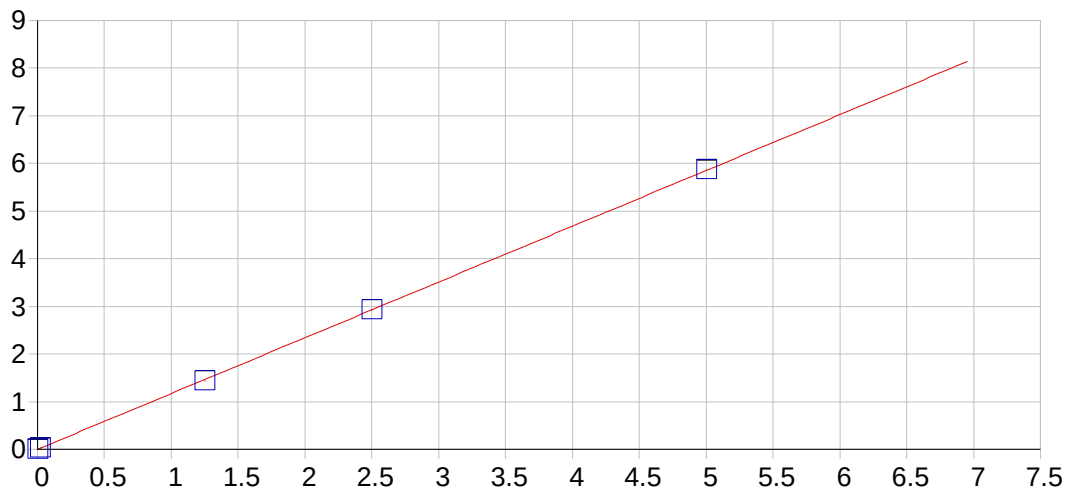
Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.016794 Re-Slope: 1.000000  
 A1 (Gain): 1.410678 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999933  
 Std Error of Est: 0.000891  
 Predicted MDL: 0.010175  
 Predicted MQL: 0.033917

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.01680 | .023    | 1        |
| S1        | .10000       | .10522      | .005       | 5.22    | .13232  | .006    | 1        |
| S3        | 2.5000       | 2.4332      | -.067      | -2.67   | 3.4334  | .000    | 1        |
| S4        | 5.0000       | 5.0035      | .003       | .070    | 7.0770  | .145    | 1        |
| S5        | 10.000       | 10.058      | .058       | .581    | 14.243  | .472    | 1        |

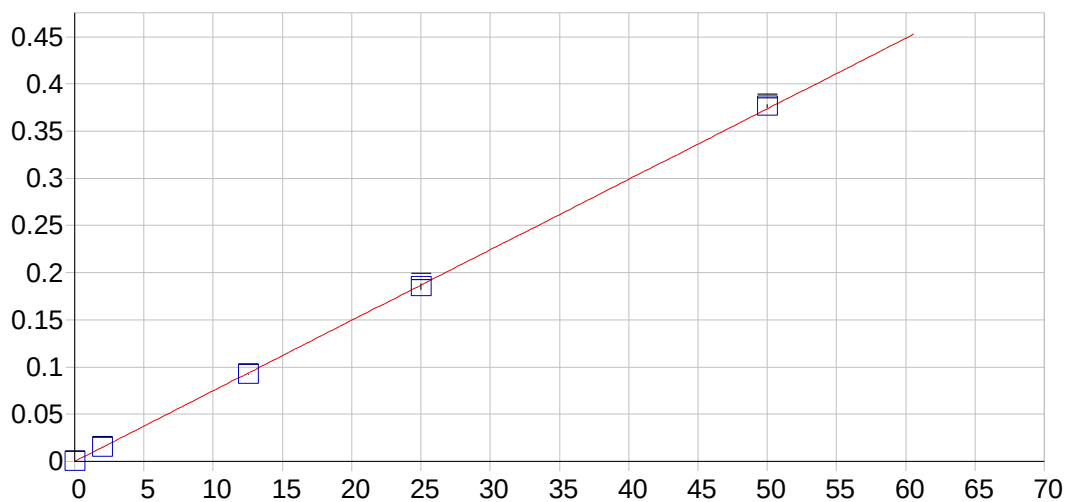


Mn 257.610 {131}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000815 Re-Slope: 1.000000  
 A1 (Gain): 1.170427 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999967 Status: OK.  
 Std Error of Est: 0.000162  
 Predicted MDL: 0.000087  
 Predicted MQL: 0.000290

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00081 | .000    | 1        |
| S1        | .02000       | .02228      | .002       | 11.4    | .02689 | .000    | 1        |
| S3        | 1.2500       | 1.2315      | -.018      | -1.48   | 1.4422 | .000    | 1        |
| S4        | 2.5000       | 2.5020      | .002       | .079    | 2.9292 | .002    | 1        |
| S5        | 5.0000       | 5.0142      | .014       | .284    | 5.8696 | .006    | 1        |

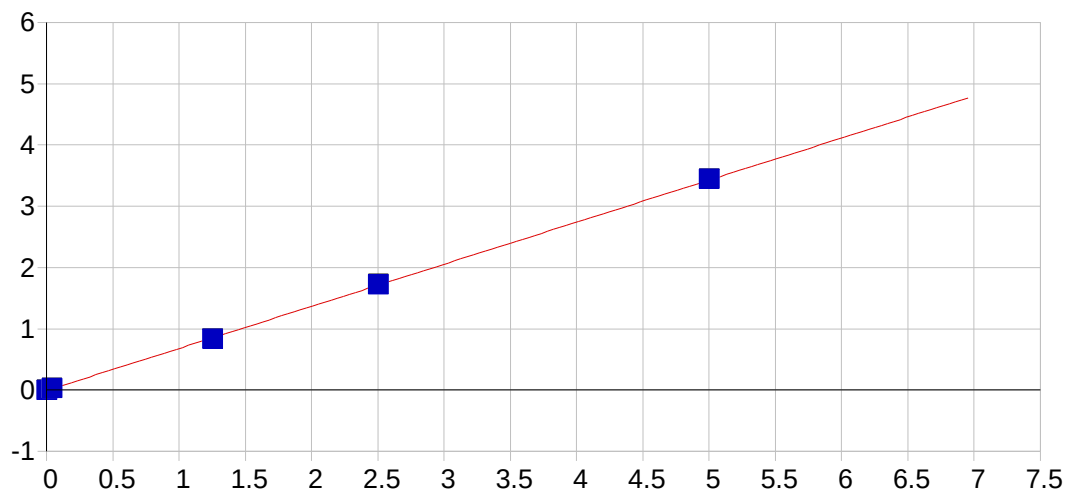


Mg 279.079 {121}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000039 Re-Slope: 1.000000  
 A1 (Gain): 0.007472 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999959 Status: OK.  
 Std Error of Est: 0.000037  
 Predicted MDL: 0.064507  
 Predicted MQL: 0.215025

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.0298      | .030       | 1.49    | .01521 | .000    | 1        |
| S0        | .00000       | -.00000     | -.000      | .000    | .00004 | .000    | 1        |
| S3        | 12.500       | 12.342      | -.158      | -1.27   | .09226 | .000    | 1        |
| S4        | 25.000       | 24.764      | -.236      | -.945   | .18508 | .003    | 1        |
| S5        | 50.000       | 50.365      | .365       | .730    | .37638 | .002    | 1        |



Ni 231.604 {445}

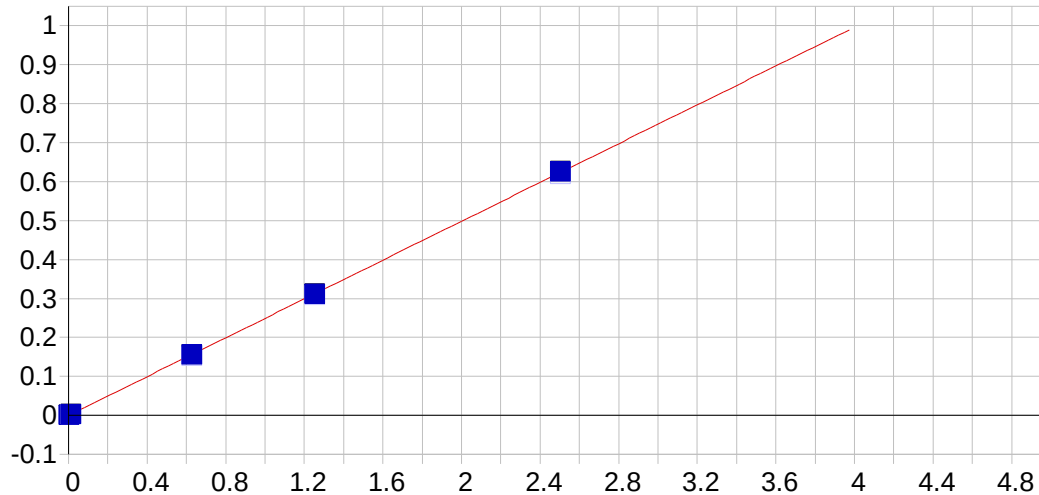
Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.007568 Re-Slope: 1.000000  
 A1 (Gain): 0.686964 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999942  
 Std Error of Est: 0.000179  
 Predicted MDL: 0.000519  
 Predicted MQL: 0.001730

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00757 | .000    | 1        |
| S1        | .04000       | .04292      | .003       | 7.29    | .02193  | .001    | 1        |
| S3        | 1.2500       | 1.2203      | -.030      | -2.38   | .83168  | .001    | 1        |
| S4        | 2.5000       | 2.5117      | .012       | .469    | 1.7198  | .002    | 1        |
| S5        | 5.0000       | 5.0150      | .015       | .301    | 3.4413  | .003    | 1        |

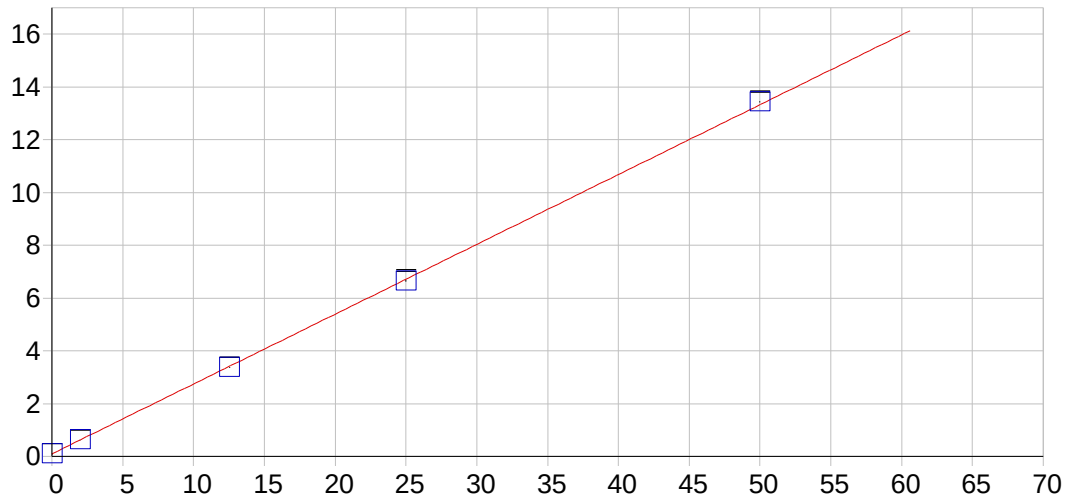


Ag 328.068 {103}

Date of Fit: 10/18/2018 10:44:02      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): -0.000184      Re-Slope: 1.000000  
 A1 (Gain): 0.249167      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999977      Status: OK.  
 Std Error of Est: 0.000014  
 Predicted MDL: 0.000740  
 Predicted MQL: 0.002465

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00018 | .000    | 1        |
| S1        | .01000       | .01096      | .001       | 9.59    | .00250  | .000    | 1        |
| S3        | .62500       | .61838      | -.007      | -1.06   | .15213  | .000    | 1        |
| S4        | 1.2500       | 1.2474      | -.003      | -.204   | .30711  | .000    | 1        |
| S5        | 2.5000       | 2.5082      | .008       | .329    | .61771  | .001    | 1        |

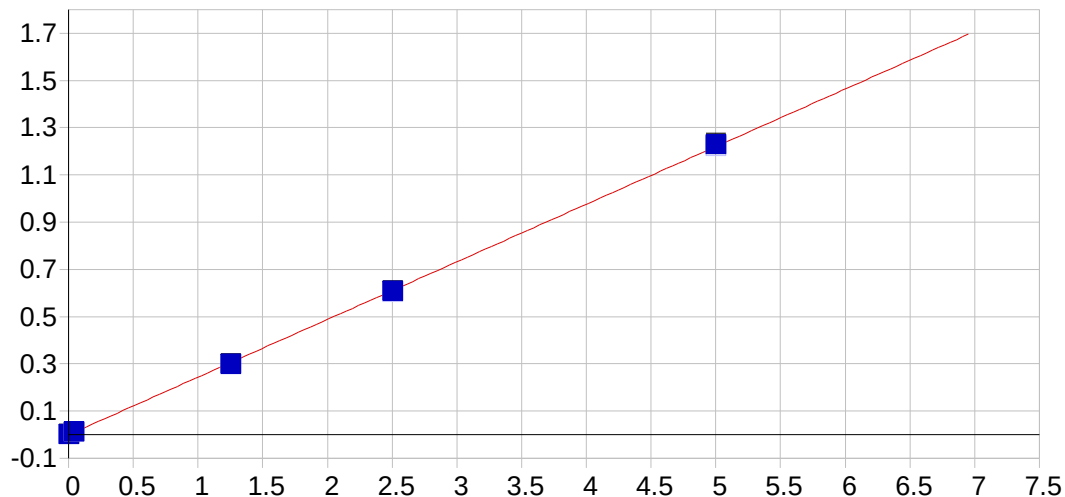


Na 589.592 { 57}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.096040 Re-Slope: 1.000000  
 A1 (Gain): 0.264618 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999960 Status: OK.  
 Std Error of Est: 0.001286  
 Predicted MDL: 0.013112  
 Predicted MQL: 0.043707

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 1.9742      | -.026      | -1.29   | .61844 | .005    | 1        |
| S0        | .00000       | .00005      | .000       | .000    | .09605 | .000    | 1        |
| S3        | 12.500       | 12.363      | -.137      | -1.10   | 3.3674 | .001    | 1        |
| S4        | 25.000       | 24.768      | -.232      | -.926   | 6.6502 | .041    | 1        |
| S5        | 50.000       | 50.395      | .395       | .789    | 13.431 | .032    | 1        |



V 292.402 {115}

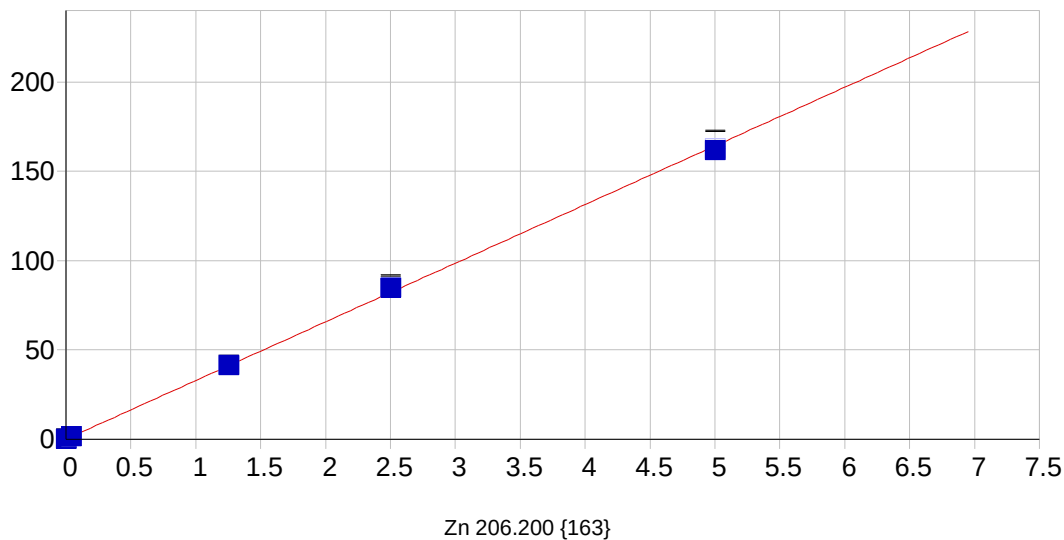
Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000018 Re-Slope: 1.000000  
 A1 (Gain): 0.243961 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999909  
 Std Error of Est: 0.000079  
 Predicted MDL: 0.000574  
 Predicted MQL: 0.001915

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00002 | .000    | 1        |
| S1        | .04000       | .04502      | .005       | 12.5    | .01081  | .000    | 1        |
| S3        | 1.2500       | 1.2216      | -.028      | -2.27   | .29602  | .000    | 1        |
| S4        | 2.5000       | 2.4880      | -.012      | -.481   | .60297  | .001    | 1        |
| S5        | 5.0000       | 5.0354      | .035       | .709    | 1.2205  | .004    | 1        |

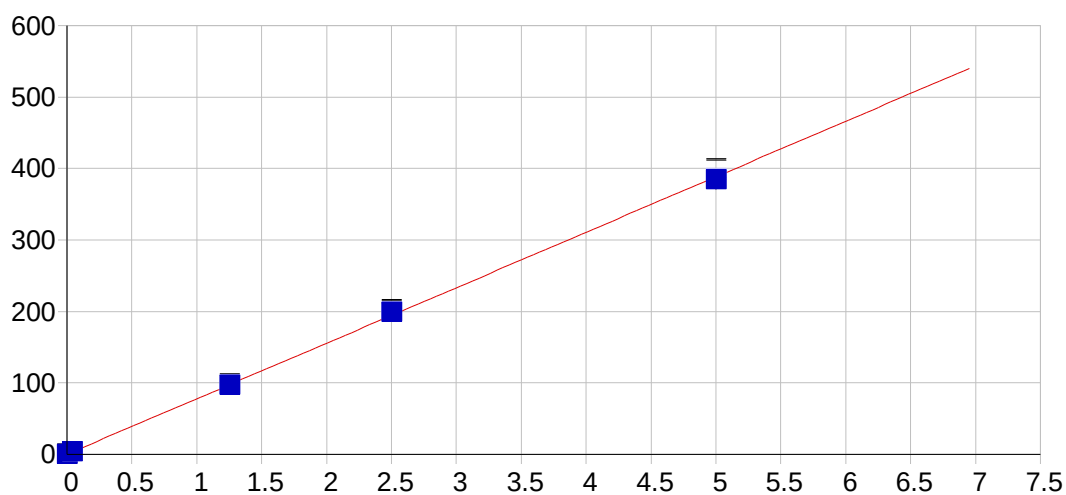


Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.078602 Re-Slope: 1.000000  
 A1 (Gain): 32.829039 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999798 Status: OK.  
 Std Error of Est: 0.016064  
 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    | .07846 | .003    | 1        |
| S1        | .04000       | .04379      | .004       | 9.49    | 1.5250 | .023    | 1        |
| S3        | 1.2500       | 1.2516      | .002       | .130    | 41.417 | .130    | 1        |
| S4        | 2.5000       | 2.5715      | .072       | 2.86    | 84.996 | 1.20    | 1        |
| S5        | 5.0000       | 4.9230      | -.077      | -1.54   | 162.69 | 4.72    | 1        |



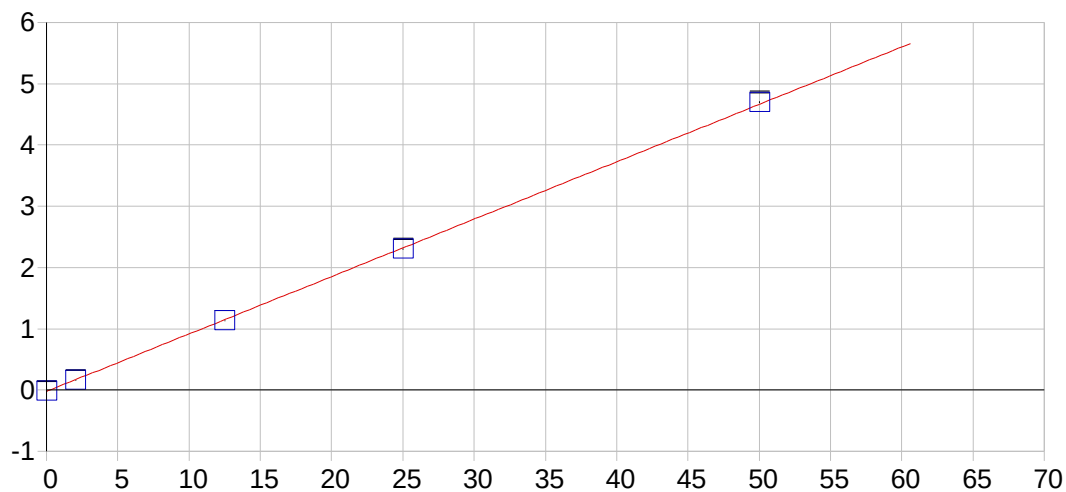


Zn 213.856 {458}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.201498 Re-Slope: 1.000000  
 A1 (Gain): 77.652110 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999867 Status: OK.  
 Std Error of Est: 0.030832  
 Predicted MDL: 0.000116  
 Predicted MQL: 0.000386

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .20122 | .005    | 1        |
| S1        | .04000       | .04322      | .003       | 8.06    | 3.5783 | .069    | 1        |
| S3        | 1.2500       | 1.2466      | -.003      | -.270   | 97.592 | .518    | 1        |
| S4        | 2.5000       | 2.5592      | .059       | 2.37    | 200.10 | 2.04    | 1        |
| S5        | 5.0000       | 4.9410      | -.059      | -1.18   | 386.23 | 13.6    | 1        |



K 766.490 {44}

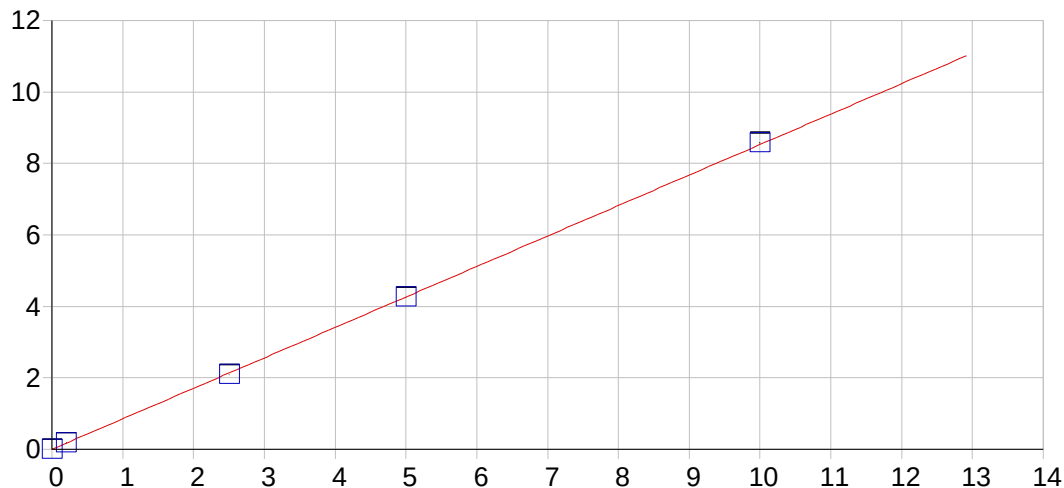
Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.021819 Re-Slope: 1.000000  
 A1 (Gain): 0.093703 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999963  
 Std Error of Est: 0.000441  
 Predicted MDL: 0.045619  
 Predicted MQL: 0.152063

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 1.9774      | -.023      | -1.13   | .16347  | .001    | 1        |
| S0        | .00000       | .00005      | .000       | .000    | -.02181 | .002    | 1        |
| S3        | 12.500       | 12.322      | -.178      | -1.42   | 1.1328  | .002    | 1        |
| S4        | 25.000       | 24.831      | -.169      | -.676   | 2.3049  | .011    | 1        |
| S5        | 50.000       | 50.369      | .369       | .739    | 4.6979  | .018    | 1        |



Mo 202.030 {467}

Date of Fit: 10/18/2018 10:44:02

Type of Fit: Linear

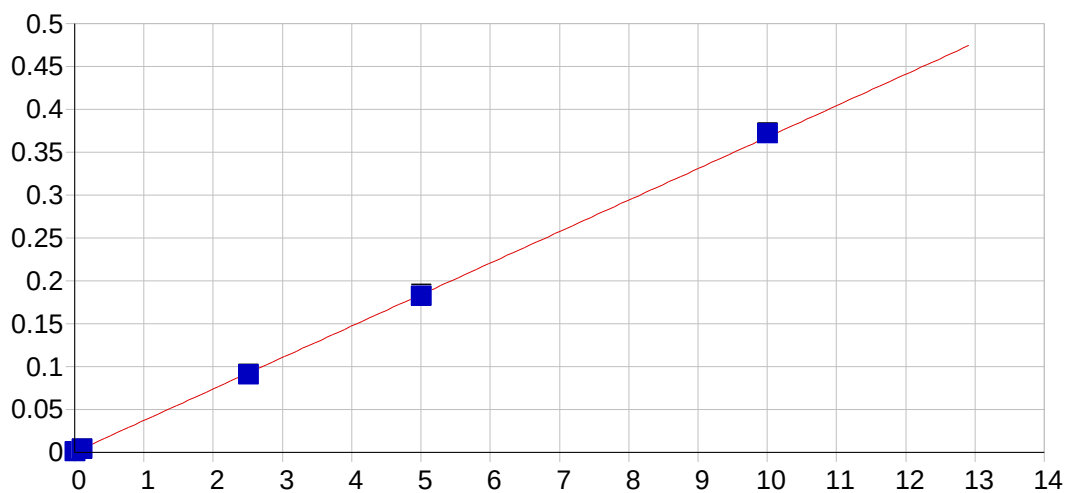
Weighting: 1/Conc

A0 (Offset): 0.000379  
 A1 (Gain): 0.852703  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999965  
 Std Error of Est: 0.000549  
 Predicted MDL: 0.000320  
 Predicted MQL: 0.001068

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    | .00038 | .000    | 1        |
| S1        | .20000       | .20379      | .004       | 1.90    | .17415 | .003    | 1        |
| S3        | 2.5000       | 2.4533      | -.047      | -1.87   | 2.0923 | .007    | 1        |
| S4        | 5.0000       | 4.9899      | -.010      | -.202   | 4.2553 | .003    | 1        |
| S5        | 10.000       | 10.053      | .053       | .530    | 8.5726 | .016    | 1        |

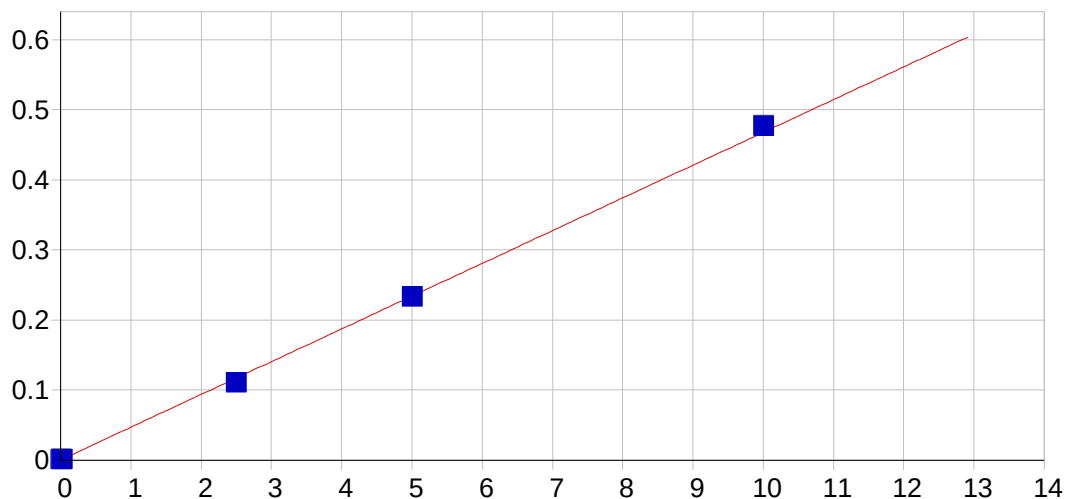


B 249.678 {135}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000512 Re-Slope: 1.000000  
 A1 (Gain): 0.036704 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999885 Status: OK.  
 Std Error of Est: 0.000030  
 Predicted MDL: 0.012202  
 Predicted MQL: 0.040674

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00051 | .000    | 1        |
| S1        | .10000       | .08798      | -.012      | -12.0   | .00373 | .000    | 1        |
| S3        | 2.5000       | 2.4514      | -.049      | -1.94   | .09027 | .000    | 1        |
| S4        | 5.0000       | 4.9520      | -.048      | -.960   | .18184 | .002    | 1        |
| S5        | 10.000       | 10.109      | .109       | 1.09    | .37067 | .001    | 1        |



S 182.034 {485}

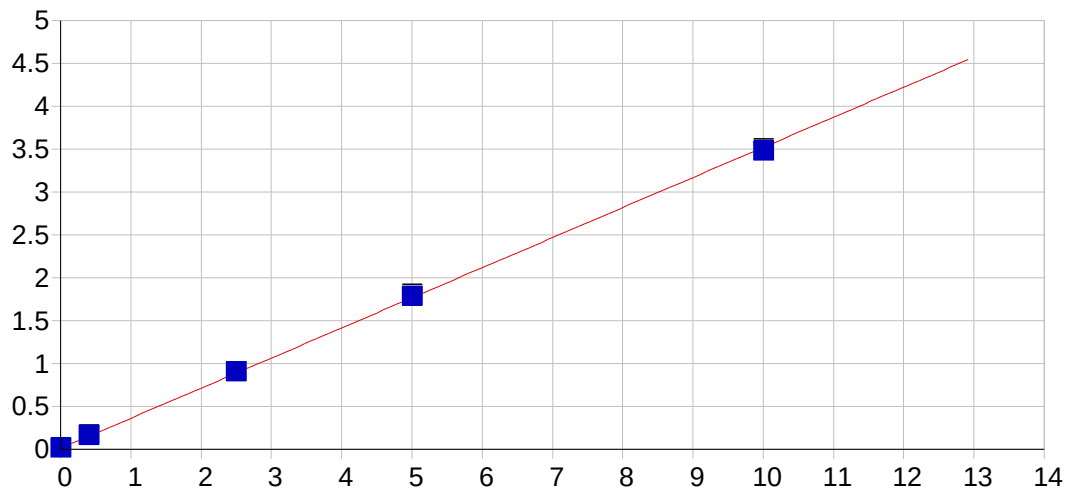
Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000549 Re-Slope: 1.000000  
 A1 (Gain): 0.046721 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999472  
 Std Error of Est: 0.000037  
 Predicted MDL: 0.003846  
 Predicted MQL: 0.012819

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00055 | .000    | 1        |
| S1        | .02000       | .01038      | -.010      | -48.1   | .00101 | .000    | 1        |
| S3        | 2.5000       | 2.3431      | -.157      | -6.28   | .10989 | .000    | 1        |
| S4        | 5.0000       | 4.9708      | -.029      | -.584   | .23253 | .000    | 1        |
| S5        | 10.000       | 10.195      | .195       | 1.95    | .47637 | .001    | 1        |



Si 288.158 {117}

Date of Fit: 10/18/2018 10:44:02

Type of Fit: Linear

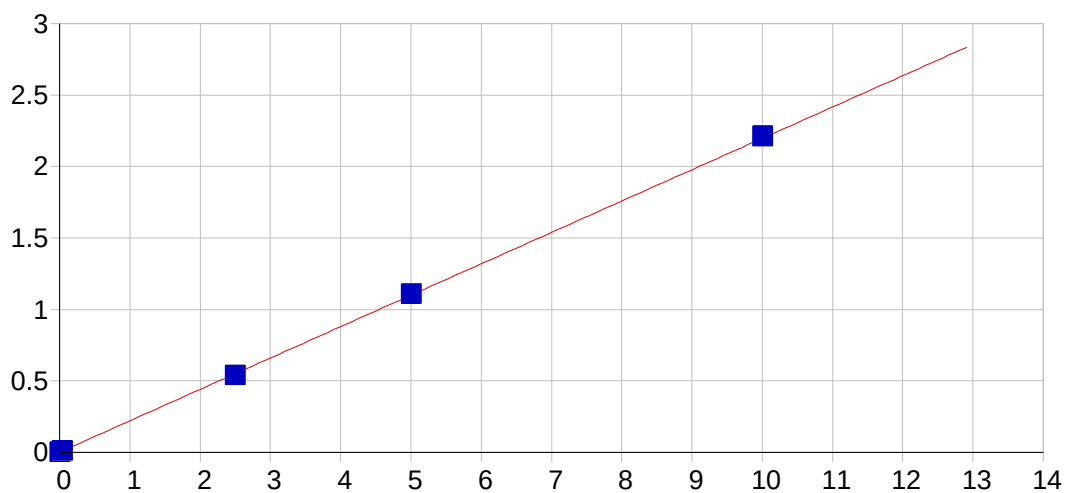
Weighting: 1/Conc

A0 (Offset): 0.011506  
 A1 (Gain): 0.350908  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999894  
 Std Error of Est: 0.000557  
 Predicted MDL: 0.003696  
 Predicted MQL: 0.012322

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    | .01150 | .000    | 1        |
| S1        | .40000       | .42459      | .025       | 6.15    | .16038 | .003    | 1        |
| S3        | 2.5000       | 2.5315      | .032       | 1.26    | .89938 | .002    | 1        |
| S4        | 5.0000       | 5.0558      | .056       | 1.12    | 1.7847 | .020    | 1        |
| S5        | 10.000       | 9.8881      | -.112      | -1.12   | 3.4795 | .022    | 1        |

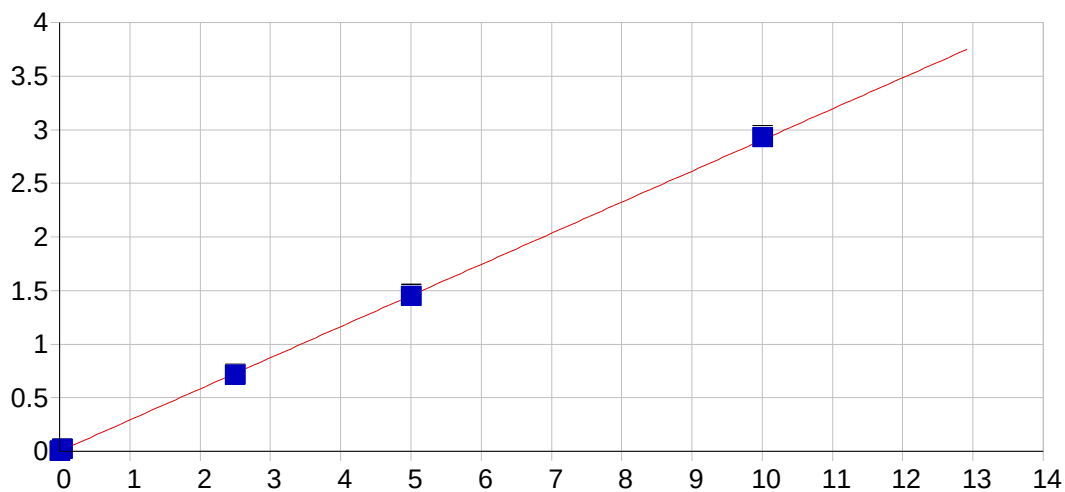


Sn 189.989 {477}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001773 Re-Slope: 1.000000  
 A1 (Gain): 0.219510 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999937 Status: OK.  
 Std Error of Est: 0.000084  
 Predicted MDL: 0.000838  
 Predicted MQL: 0.002794

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00177 | .000    | 1        |
| S1        | .04000       | .04023      | .000       | .584    | .01060 | .000    | 1        |
| S3        | 2.5000       | 2.4312      | -.069      | -2.75   | .53555 | .001    | 1        |
| S4        | 5.0000       | 5.0248      | .025       | .496    | 1.1050 | .001    | 1        |
| S5        | 10.000       | 10.044      | .044       | .437    | 2.2069 | .004    | 1        |



Ti 336.121 {100}

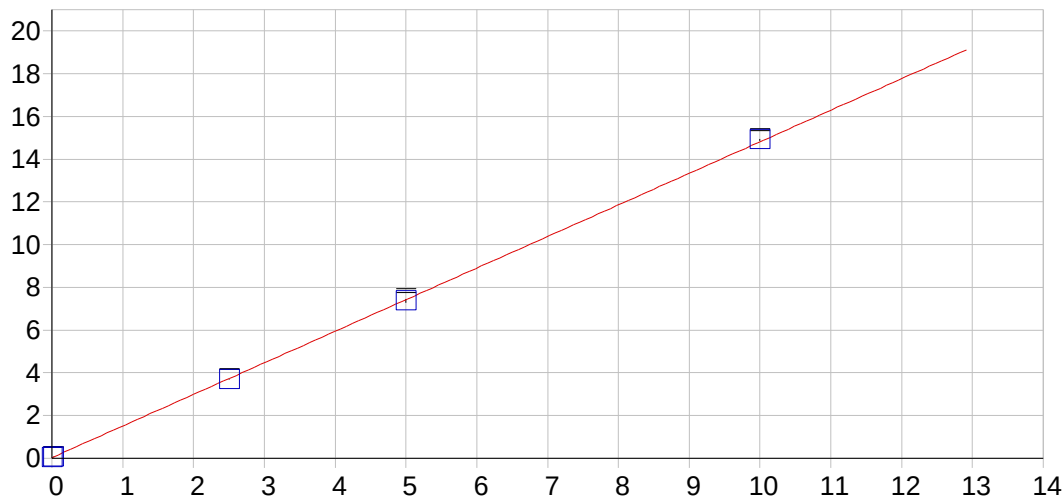
Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002102 Re-Slope: 1.000000  
 A1 (Gain): 0.290208 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999884  
 Std Error of Est: 0.000151  
 Predicted MDL: 0.002753  
 Predicted MQL: 0.009176

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00210 | .001    | 1        |
| S1        | .04000       | .04964      | .010       | 24.1    | .01650 | .000    | 1        |
| S3        | 2.5000       | 2.4502      | -.050      | -1.99   | .71307 | .001    | 1        |
| S4        | 5.0000       | 4.9671      | -.033      | -.657   | 1.4434 | .021    | 1        |
| S5        | 10.000       | 10.073      | .073       | .731    | 2.9250 | .016    | 1        |



Li 670.784 { 50}

Date of Fit: 10/18/2018 10:44:02

Type of Fit: Linear

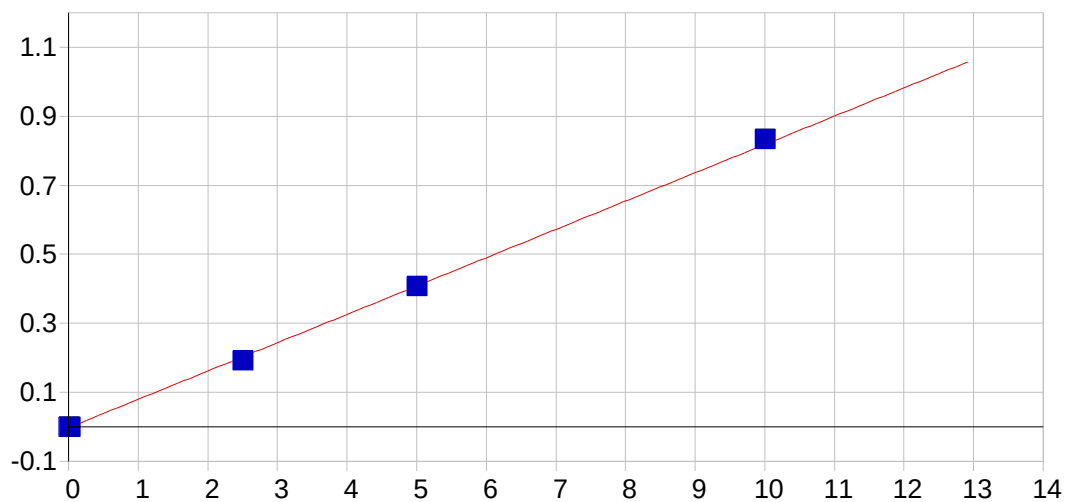
Weighting: 1/Conc

A0 (Offset): 0.034980  
 A1 (Gain): 1.478106  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999972  
 Std Error of Est: 0.000269  
 Predicted MDL: 0.002440  
 Predicted MQL: 0.008134

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    | .03498 | .005    | 1        |
| S1        | .02000       | .02006      | .000       | .321    | .06464 | .005    | 1        |
| S3        | 2.5000       | 2.4719      | -.028      | -1.13   | 3.6886 | .015    | 1        |
| S4        | 5.0000       | 4.9638      | -.036      | -.723   | 7.3721 | .086    | 1        |
| S5        | 10.000       | 10.064      | .064       | .642    | 14.911 | .052    | 1        |

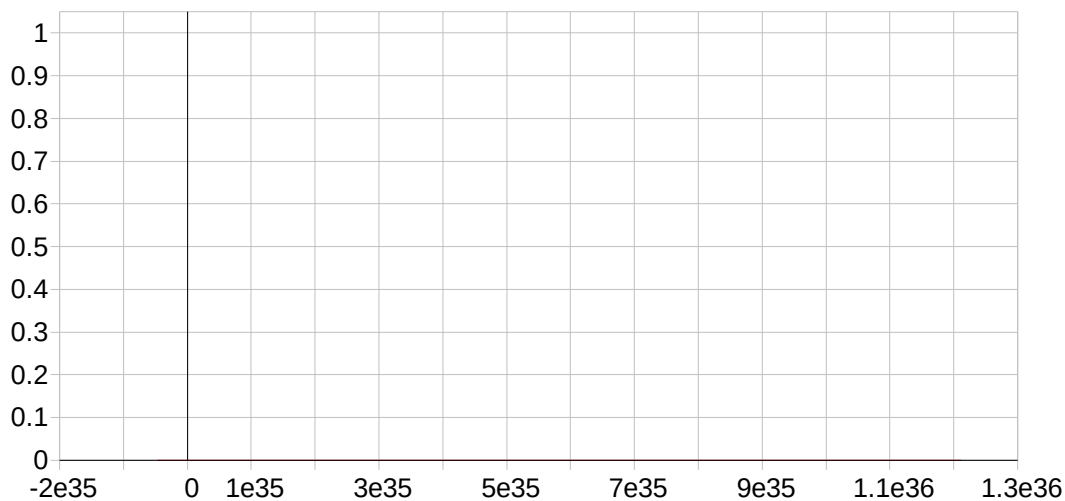


P 177.495 {490}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002144 Re-Slope: 1.000000  
 A1 (Gain): 0.082051 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999680 Status: OK.  
 Std Error of Est: 0.000050  
 Predicted MDL: 0.002055  
 Predicted MQL: 0.006852

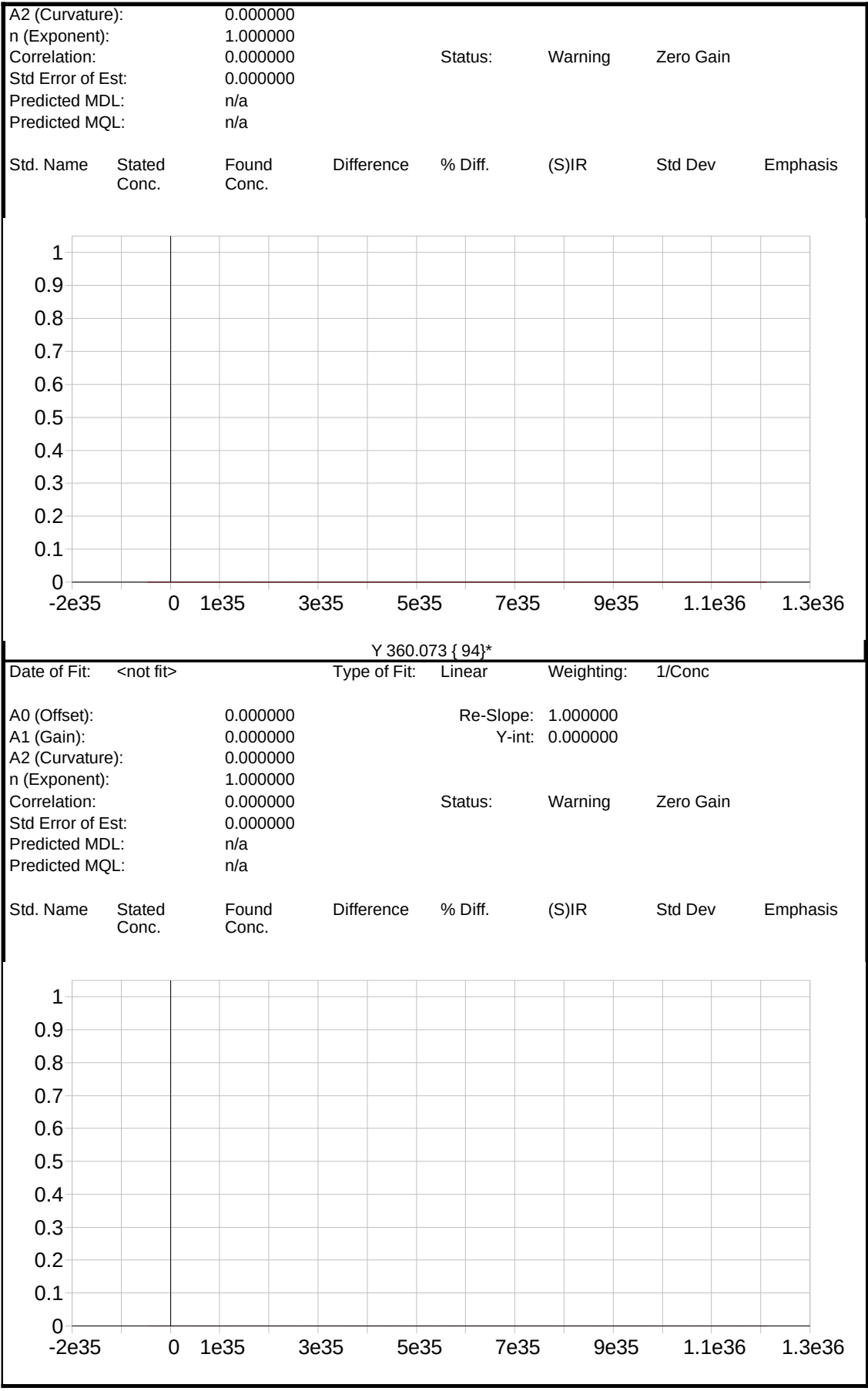
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00214 | .000    | 1        |
| S1        | .02000       | .01604      | -.004      | -19.8   | -.00083 | .000    | 1        |
| S3        | 2.5000       | 2.3624      | -.138      | -5.51   | .19139  | .000    | 1        |
| S4        | 5.0000       | 4.9767      | -.023      | -.466   | .40561  | .000    | 1        |
| S5        | 10.000       | 10.165      | .165       | 1.65    | .83071  | .001    | 1        |



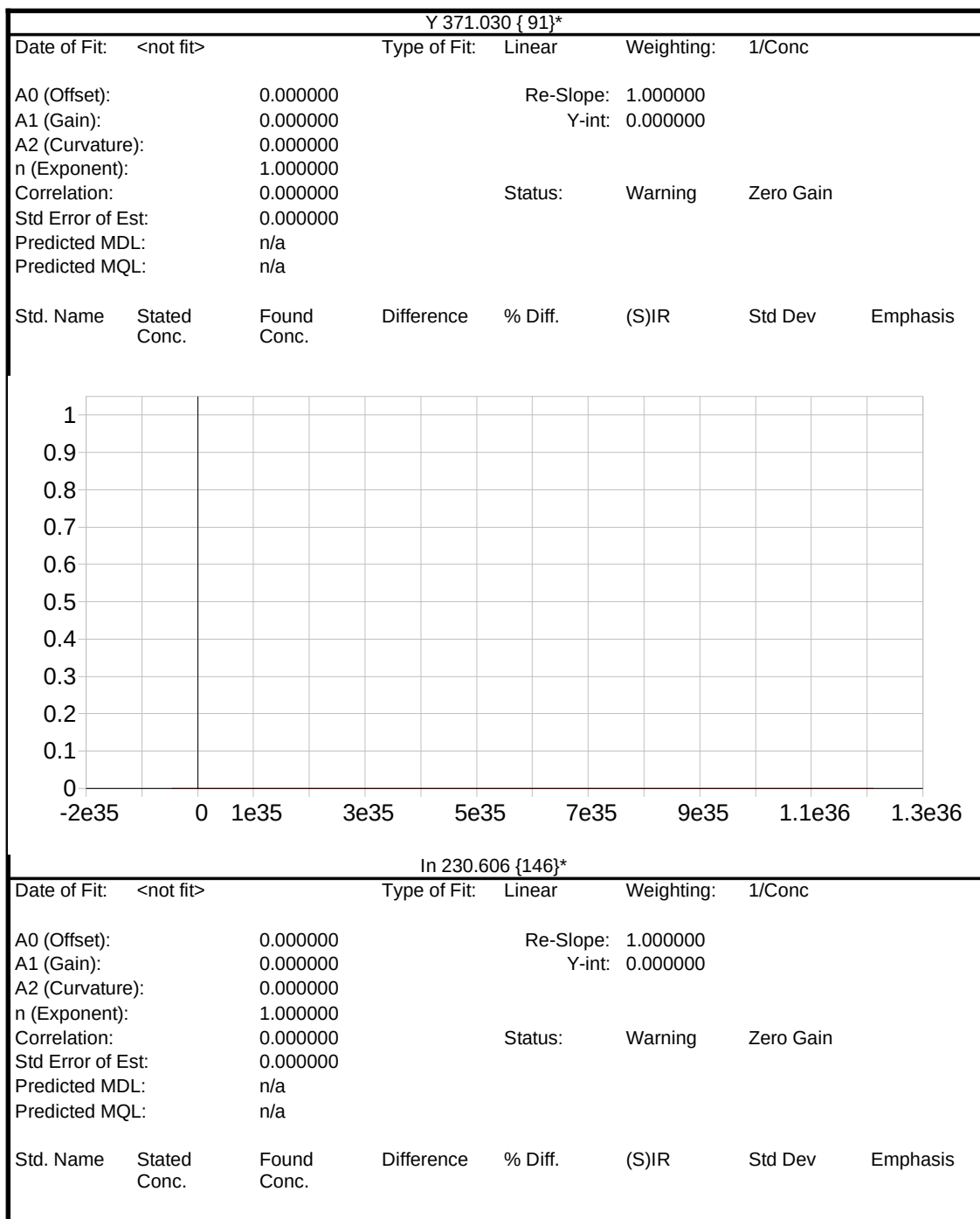
Y 224.306 {450}\*

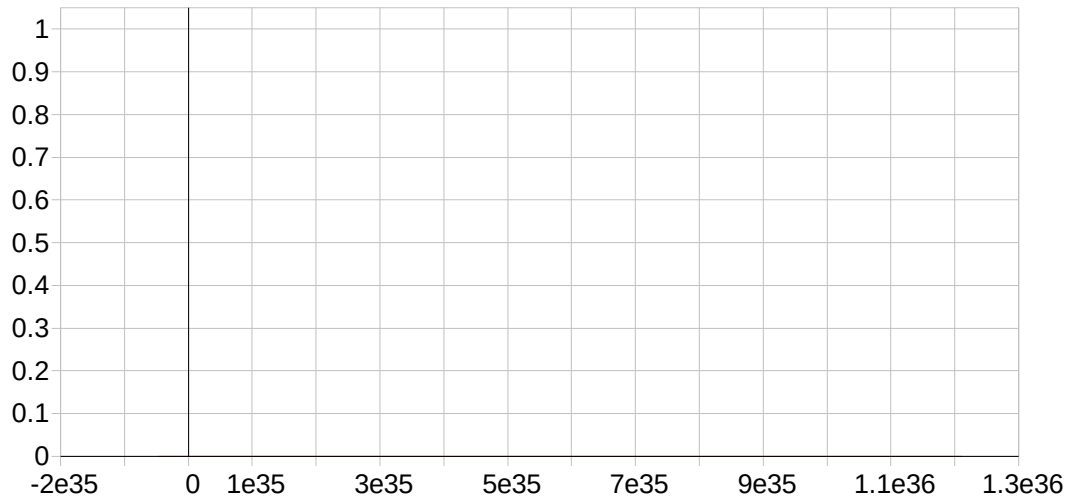
Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

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









In 230.606 {446}\*

Date of Fit: <not fit>

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

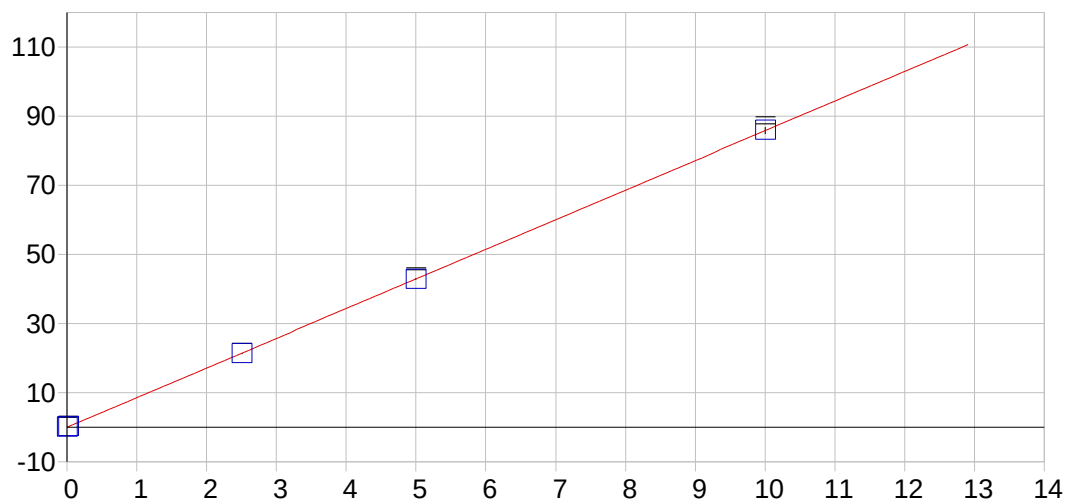
Status: Warning Zero Gain

Std Error of Est: 0.000000

Predicted MDL: n/a

Predicted MQL: n/a

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



Sr 407.771 { 83}

Date of Fit: 10/18/2018 10:44:02

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.006445

Re-Slope: 1.000000

A1 (Gain): 8.577399

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999996

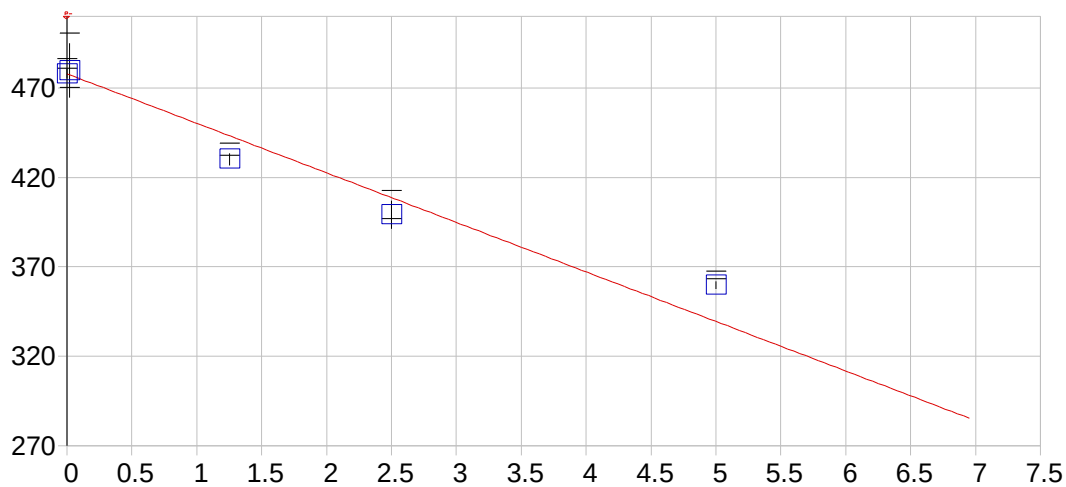
Status: OK.

Std Error of Est: 0.000591

Predicted MDL: 0.000163

Predicted MQL: 0.000544

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00645 | .002    | 1        |
| S1        | .02000       | .02119      | .001       | 5.96    | .17532  | .001    | 1        |
| S3        | 2.5000       | 2.4890      | -.011      | -.441   | 21.342  | .024    | 1        |
| S4        | 5.0000       | 4.9959      | -.004      | -.082   | 42.845  | .285    | 1        |
| S5        | 10.000       | 10.014      | .014       | .139    | 85.887  | 1.05    | 1        |

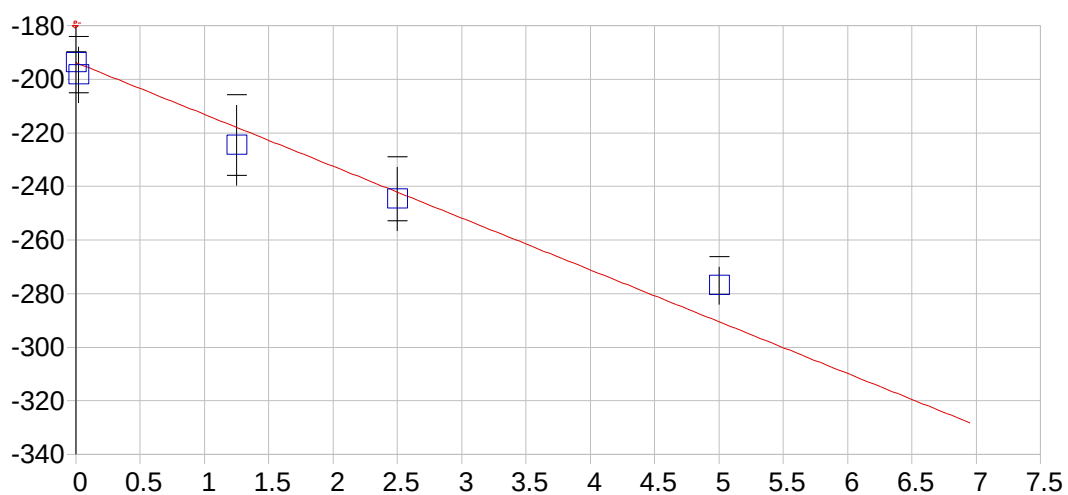


U 367.007 { 92 }

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 477.927903 Re-Slope: 1.000000  
A1 (Gain): -27.690254 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.962014 Status: Warning Negative Gain  
Std Error of Est: 0.134282  
Predicted MDL: n/a  
Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00008      | .000       | .000    | 477.93 | 2.58    | 1        |
| S1        | .02000       | -.06566     | -.086      | -428.   | 479.75 | 15.1    | 1        |
| S3        | 1.2500       | 1.7278      | .478       | 38.2    | 430.08 | 3.29    | 1        |
| S4        | 2.5000       | 2.8453      | .345       | 13.8    | 399.14 | 8.01    | 1        |
| S5        | 5.0000       | 4.2626      | -.737      | -14.7   | 359.90 | 2.13    | 1        |



U 385.958 { 87}

Date of Fit: 10/18/2018 10:44:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -193.819277 Re-Slope: 1.000000

A1 (Gain): -19.333055 Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.881037

Status: Warning Negative Gain

Std Error of Est: 0.177386

Predicted MDL: n/a

Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00022     | -.000      | .000    | -193.82 | .120    | 1        |
| S1        | .02000       | .23575      | .216       | 1080.   | -198.38 | 10.4    | 1        |
| S3        | 1.2500       | 1.5941      | .344       | 27.5    | -224.64 | 15.0    | 1        |
| S4        | 2.5000       | 2.6346      | .135       | 5.38    | -244.75 | 12.0    | 1        |
| S5        | 5.0000       | 4.3056      | -.694      | -13.9   | -277.06 | 7.11    | 1        |

Sample Name: S0      Acquired: 10/17/2018 9:09:55      Type: Cal  
Method: P4-ICP2(v2504)      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    | .00026  | -.00089 | .00285  | -.00000 | .00071  | .00001  | .06221  | .00028 |
| Stddev | .00003  | .00003  | .00005  | .00021  | .00036  | .00006  | .00170  | .00001 |
| %RSD   | 11.735  | 3.0639  | 1.9181  | 8935.9  | 51.181  | 1128.6  | 2.7304  | 2.1428 |
| #1     | .00028  | -.00087 | .00281  | .00015  | .00097  | .00005  | .06101  | .00027 |
| #2     | .00024  | -.00091 | .00289  | -.00015 | .00045  | -.00004 | .06341  | .00028 |
| 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    | -.00107 | .00028  | -.00007 | -.00015 | -.00033 | -.01680 | .00081  | .00004 |
| Stddev | .00006  | .00100  | .00001  | .00025  | .00005  | .02285  | .00003  | .00003 |
| %RSD   | 5.5211  | 360.22  | 9.6964  | 162.80  | 14.913  | 136.01  | 3.7926  | 80.476 |
| #1     | -.00103 | -.00043 | -.00008 | .00002  | -.00029 | -.00064 | .00083  | .00002 |
| #2     | -.00111 | .00098  | -.00007 | -.00033 | -.00036 | -.03295 | .00079  | .00006 |
| 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    | -.00757 | -.00018 | .09605  | -.00002 | .20122  | -.02181 | .00038  | .00051 |
| Stddev | .00017  | .00000  | .00005  | .00006  | .00501  | .00199  | .00002  | .00027 |
| %RSD   | 2.2637  | 1.3140  | .05212  | 322.90  | 2.4921  | 9.1047  | 6.4586  | 51.738 |
| #1     | -.00769 | -.00019 | .09609  | -.00006 | .19767  | -.02322 | .00036  | .00033 |
| #2     | -.00745 | -.00018 | .09602  | .00002  | .20476  | -.02041 | .00040  | .00070 |
| 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    | .00055  | .01150  | .00177  | .00210  | .03498  | -.0021  | -.00645 | 477.93 |
| Stddev | .00007  | .00020  | .00025  | .00057  | .00549  | .0000   | .00157  | 2.58   |
| %RSD   | 13.072  | 1.7378  | 13.879  | 27.089  | 15.695  | 1.400   | 24.385  | .53981 |
| #1     | .00060  | .01135  | .00195  | .00250  | .03110  | -.0021  | -.00534 | 476.10 |
| #2     | .00050  | .01164  | .00160  | .00170  | .03886  | -.0022  | -.00757 | 479.75 |

Sample Name: S0      Acquired: 10/17/2018 9:09:55      Type: Cal  
Method: P4-ICP2(v2504)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -193.82 |
| Stddev | .12     |
| %RSD   | .06200  |

|    |         |
|----|---------|
| #1 | -193.73 |
| #2 | -193.90 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3599.0 | 46644. | 3960.9 | 90.033 | 3806.0 |
| Stddev    | 43.9   | 125.   | 12.3   | 1.084  | 33.5   |
| %RSD      | 1.2195 | .26724 | .31030 | 1.2043 | .87900 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3567.9 | 46556. | 3969.6 | 90.800 | 3782.3 |
| #2 | 3630.0 | 46732. | 3952.2 | 89.267 | 3829.6 |

Sample Name: S1      Acquired: 10/17/2018 9:13:57      Type: Cal  
Method: P4-ICP2(v2504)      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    | .00141 | .00534 | .00477 | .00147 | .00821  | .00068 | .42211 | .00530 |
| Stddev | .00010 | .00027 | .00006 | .00004 | .00013  | .00004 | .00270 | .00014 |
| %RSD   | 7.0749 | 5.0920 | 1.2515 | 2.9200 | 1.6171  | 6.1169 | .64002 | 2.7138 |
| #1     | .00148 | .00553 | .00481 | .00144 | .00811  | .00065 | .42020 | .00540 |
| #2     | .00134 | .00515 | .00473 | .00150 | .00830  | .00071 | .42402 | .00520 |
| 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    | .01926 | .00175 | .03758 | .01427 | .13232  | .02689 | .02193 | .00250 |
| Stddev | .00041 | .00006 | .00077 | .00028 | .00631  | .00008 | .00065 | .00001 |
| %RSD   | 2.1413 | 3.5346 | 2.0377 | 1.9914 | 4.7669  | .30217 | 2.9464 | .46316 |
| #1     | .01955 | .00179 | .03812 | .01447 | .12786  | .02695 | .02239 | .00250 |
| #2     | .01897 | .00171 | .03704 | .01407 | .13679  | .02683 | .02147 | .00249 |
| 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    | .01081 | 3.5783 | .17415 | .00373 | .00101  | .16038 | .01060 | .01650 |
| Stddev | .00006 | .0692  | .00300 | .00035 | .00004  | .00265 | .00004 | .00010 |
| %RSD   | .54673 | 1.9345 | 1.7214 | 9.3216 | 4.4578  | 1.6499 | .36568 | .63291 |
| #1     | .01077 | 3.6272 | .17627 | .00348 | .00097  | .16225 | .01063 | .01657 |
| #2     | .01085 | 3.5293 | .17203 | .00397 | .00104  | .15851 | .01058 | .01643 |
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |        |        |        |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |        |        |        |
| Avg    | .06464 | -.0008 | .17532 | 479.75 | -198.38 |        |        |        |
| Stddev | .00486 | .0001  | .00066 | 15.15  | 10.42   |        |        |        |
| %RSD   | 7.5181 | 14.62  | .37817 | 3.1570 | 5.2502  |        |        |        |
| #1     | .06120 | -.0009 | .17486 | 490.46 | -205.74 |        |        |        |
| #2     | .06807 | -.0007 | .17579 | 469.04 | -191.01 |        |        |        |

Sample Name: S1      Acquired: 10/17/2018 9:13:57      Type: Cal  
Method: P4-ICP2(v2504)      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       | 3645.7 | 47077. | 4056.9 | 92.088 | 3807.3 |
| Stddev    | .1     | 28.    | 18.7   | .642   | 7.1    |
| %RSD      | .00159 | .05890 | .46006 | .69748 | .18737 |
| #1        | 3645.8 | 47057. | 4043.7 | 91.633 | 3802.2 |
| #2        | 3645.7 | 47097. | 4070.1 | 92.542 | 3812.3 |



Sample Name: S2      Acquired: 10/17/2018 9:18:00      Type: Cal  
Method: P4-ICP2(v2504)      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    | .07731 | .01521 | .61844 | .16347 |
| Stddev | .00194 | .00029 | .00541 | .00059 |
| %RSD   | 2.5122 | 1.8764 | .87441 | .35863 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .07594 | .01500 | .61462 | .16388 |
| #2 | .07868 | .01541 | .62227 | .16306 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 4057.0 |
| Stddev    | 13.5   |
| %RSD      | .33178 |

|    |        |
|----|--------|
| #1 | 4047.5 |
| #2 | 4066.5 |

Sample Name: S3      Acquired: 10/17/2018 9:21:56      Type: Cal  
Method: P4-ICP2(v2504)      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    | .13600 | .34207 | .54264 | .17503 | .34727 | .03150 | 16.202 | .09976 |
| Stddev | .00017 | .00159 | .00128 | .00092 | .00106 | .00017 | .006   | .00032 |
| %RSD   | .12723 | .46601 | .23497 | .52423 | .30649 | .52536 | .03541 | .32537 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .13613 | .34320 | .54354 | .17568 | .34802 | .03138 | 16.206 | .09953 |
| #2 | .13588 | .34094 | .54174 | .17438 | .34652 | .03161 | 16.197 | .09999 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 4.2209 | .46295 | .08638 | 1.4126 | .42298 | 3.4334 | 1.4422 | .09226 |
| Stddev | .0176  | .00521 | .00032 | .0052  | .00112 | .0000  | .0000  | .00017 |
| %RSD   | .41695 | 1.1259 | .37534 | .36636 | .26395 | .00060 | .00029 | .18003 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.2333 | .45926 | .08615 | 1.4162 | .42376 | 3.4334 | 1.4422 | .09214 |
| #2 | 4.2084 | .46663 | .08661 | 1.4089 | .42219 | 3.4334 | 1.4422 | .09238 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .83168 | .15213 | 3.3674 | .29602 | 97.592 | 1.1328 | 2.0923 | .09027 |
| Stddev | .00124 | .00005 | .0008  | .00000 | .518   | .0020  | .0066  | .00031 |
| %RSD   | .14942 | .03021 | .02390 | .00060 | .53128 | .17873 | .31587 | .34462 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83256 | .15216 | 3.3680 | .29602 | 97.958 | 1.1343 | 2.0970 | .09049 |
| #2 | .83080 | .15210 | 3.3669 | .29602 | 97.225 | 1.1314 | 2.0876 | .09005 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .10989 | .89938 | .53555 | .71307 | 3.6886 | .1914  | 21.342 | 430.08 |
| Stddev | .00037 | .00213 | .00066 | .00127 | .0148  | .0001  | .024   | 3.29   |
| %RSD   | .33715 | .23699 | .12262 | .17838 | .40230 | .0655  | .11094 | .76393 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .11015 | .89787 | .53601 | .71217 | 3.6781 | .1913 | 21.326 | 432.41 |
| #2 | .10963 | .90088 | .53509 | .71397 | 3.6991 | .1915 | 21.359 | 427.76 |

Sample Name: S3      Acquired: 10/17/2018 9:21:56      Type: Cal  
Method: P4-ICP2(v2504)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -224.64 |
| Stddev | 15.03   |
| %RSD   | 6.6922  |

|    |         |
|----|---------|
| #1 | -214.01 |
| #2 | -235.27 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3523.3 | 45432. | 4023.6 | 87.657 | 3529.0 |
| Stddev    | 18.5   | 96.    | 8.6    | .711   | 19.1   |
| %RSD      | .52577 | .21156 | .21476 | .81165 | .53992 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3510.2 | 45364. | 4029.7 | 87.154 | 3515.5 |
| #2 | 3536.4 | 45500. | 4017.5 | 88.160 | 3542.5 |

Sample Name: S4      Acquired: 10/17/2018 9:25:43      Type: Cal  
Method: P4-ICP2(v2504)      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    | .27739 | .70644 | 1.1212 | .35779 | .71239 | .06532 | 32.501 | .20536 |
| Stddev | .00052 | .00040 | .0006  | .00069 | .00094 | .00042 | .269   | .00042 |
| %RSD   | .18606 | .05683 | .05599 | .19214 | .13231 | .63703 | .82765 | .20298 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .27702 | .70673 | 1.1207 | .35731 | .71173 | .06503 | 32.310 | .20506 |
| #2 | .27775 | .70616 | 1.1216 | .35828 | .71306 | .06562 | 32.691 | .20565 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 8.7944 | .94182 | .17578 | 2.9409 | .85232 | 7.0770 | 2.9292 | .18508 |
| Stddev | .0020  | .01424 | .00052 | .0005  | .00075 | .1446  | .0025  | .00331 |
| %RSD   | .02309 | 1.5122 | .29600 | .01637 | .08813 | 2.0435 | .08445 | 1.7903 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.7959 | .93175 | .17541 | 2.9405 | .85285 | 6.9747 | 2.9274 | .18274 |
| #2 | 8.7930 | .95189 | .17615 | 2.9412 | .85179 | 7.1793 | 2.9309 | .18742 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.7198 | .30711 | 6.6502 | .60297 | 200.10 | 2.3049 | 4.2553 | .18184 |
| Stddev | .0019  | .00003 | .0410  | .00088 | 2.04   | .0113  | .0027  | .00177 |
| %RSD   | .11070 | .01000 | .61707 | .14643 | 1.0179 | .49147 | .06319 | .97114 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.7184 | .30713 | 6.6212 | .60234 | 198.66 | 2.2969 | 4.2534 | .18059 |
| #2 | 1.7211 | .30708 | 6.6792 | .60359 | 201.54 | 2.3129 | 4.2572 | .18309 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .23253 | 1.7847 | 1.1050 | 1.4434 | 7.3721 | .4056  | 42.845 | 399.14 |
| Stddev | .00040 | .0201  | .0006  | .0214  | .0863  | .0002  | .285   | 8.00   |
| %RSD   | .17130 | 1.1279 | .05003 | 1.4816 | 1.1711 | .0404  | .66448 | 2.0056 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .23281 | 1.7704 | 1.1046 | 1.4283 | 7.3110 | .4055 | 42.644 | 393.48 |
| #2 | .23225 | 1.7989 | 1.1054 | 1.4585 | 7.4331 | .4057 | 43.047 | 404.80 |

Sample Name: S4      Acquired: 10/17/2018 9:25:43      Type: Cal  
Method: P4-ICP2(v2504)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -244.75 |
| Stddev | 12.01   |
| %RSD   | 4.9059  |

|    |         |
|----|---------|
| #1 | -236.26 |
| #2 | -253.24 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3423.0 | 43945. | 3976.0 | 84.551 | 3335.2 |
| Stddev    | 3.3    | 165.   | 16.8   | .827   | .6     |
| %RSD      | .09667 | .37637 | .42166 | .97807 | .01719 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3425.3 | 43828. | 3987.9 | 85.136 | 3335.6 |
| #2 | 3420.6 | 44062. | 3964.2 | 83.966 | 3334.8 |

Sample Name: S5      Acquired: 10/17/2018 9:29:29      Type: Cal  
Method: P4-ICP2(v2504)      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    | .56284 | 1.3979 | 2.2360 | .72206 | 1.4508 | .13780 | 64.828 | .41440 |
| Stddev | .00086 | .0017  | .0002  | .00034 | .0004  | .00011 | .112   | .00029 |
| %RSD   | .15207 | .12084 | .01042 | .04712 | .02914 | .08155 | .17206 | .06991 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .56345 | 1.3991 | 2.2358 | .72182 | 1.4511 | .13772 | 64.749 | .41420 |
| #2 | .56224 | 1.3967 | 2.2362 | .72230 | 1.4506 | .13788 | 64.907 | .41461 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 17.687 | 1.9105 | .35223 | 5.9224 | 1.7019 | 14.243 | 5.8696 | .37638 |
| Stddev | .023   | .0077  | .00030 | .0020  | .0013  | .472   | .0064  | .00200 |
| %RSD   | .12783 | .40578 | .08599 | .03412 | .07446 | 3.3122 | .10842 | .53245 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.703 | 1.9050 | .35202 | 5.9239 | 1.7028 | 14.576 | 5.8651 | .37496 |
| #2 | 17.671 | 1.9160 | .35245 | 5.9210 | 1.7010 | 13.909 | 5.8741 | .37780 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 3.4413 | .61771 | 13.431 | 1.2205 | 386.23 | 4.6979 | 8.5726 | .37067 |
| Stddev | .0035  | .00143 | .032   | .0039  | 13.55  | .0175  | .0163  | .00058 |
| %RSD   | .10158 | .23141 | .23480 | .31887 | 3.5091 | .37291 | .18988 | .15671 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.4438 | .61872 | 13.409 | 1.2177 | 395.81 | 4.6856 | 8.5841 | .37108 |
| #2 | 3.4389 | .61670 | 13.454 | 1.2232 | 376.64 | 4.7103 | 8.5611 | .37026 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .47637 | 3.4795 | 2.2069 | 2.9250 | 14.911 | .8307  | 85.887 | 359.90 |
| Stddev | .00054 | .0224  | .0042  | .0161  | .052   | .0007  | 1.047  | 2.13   |
| %RSD   | .11268 | .64308 | .18972 | .55079 | .34802 | .0831  | 1.2185 | .59216 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .47599 | 3.4636 | 2.2039 | 2.9136 | 14.874 | .8312 | 85.147 | 361.40 |
| #2 | .47674 | 3.4953 | 2.2098 | 2.9364 | 14.948 | .8302 | 86.627 | 358.39 |

Sample Name: S5      Acquired: 10/17/2018 9:29:29      Type: Cal  
Method: P4-ICP2(v2504)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -277.06 |
| Stddev | 7.11    |
| %RSD   | 2.5658  |

|    |         |
|----|---------|
| #1 | -282.09 |
| #2 | -272.03 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3297.1 | 42318. | 3962.5 | 85.078 | 3206.2 |
| Stddev    | 7.4    | 28.    | 14.9   | 3.043  | 4.9    |
| %RSD      | .22451 | .06516 | .37649 | 3.5771 | .15375 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3291.9 | 42298. | 3973.0 | 82.926 | 3202.7 |
| #2 | 3302.3 | 42337. | 3951.9 | 87.230 | 3209.7 |

Sample Name: ICV01      Acquired: 10/17/2018 9:53:56      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 1.0044 | 1.0139 | 1.0335 | 1.0378 | 1.0296 | 2.6160 | F .52843 |
| Stddev | .0019  | .0046  | .0005  | .0029  | .0003  | .0054  | .00500   |
| %RSD   | .18446 | .45810 | .04806 | .28325 | .02466 | .20731 | .94696   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0057 | 1.0107 | 1.0338 | 1.0399 | 1.0295 | 2.6121 | .52489 |
| #2 | 1.0031 | 1.0172 | 1.0331 | 1.0357 | 1.0298 | 2.6198 | .53197 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50613 | .50893 | F 10.905 | .50480 | .52144 | .50447 | 5.1422 |
| Stddev | .00014 | .00072 | .148     | .00234 | .00135 | .00119 | .2102  |
| %RSD   | .02824 | .14082 | 1.3580   | .46367 | .25895 | .23658 | 4.0886 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50623 | .50843 | 10.801 | .50645 | .52049 | .50362 | 5.2909 |
| #2 | .50602 | .50944 | 11.010 | .50314 | .52240 | .50531 | 4.9936 |

|        |          |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576   | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F .53308 | 6.1016 | .51698 | .50290 | 10.071 | .50156 | 1.0609 |
| Stddev | .00052   | .0093  | .00082 | .00138 | .062   | .00121 | .0339  |
| %RSD   | .09770   | .15289 | .15940 | .27439 | .61608 | .24194 | 3.1955 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .53345 | 6.1082 | .51639 | .50193 | 10.027 | .50242 | 1.0849 |
| #2 | .53271 | 6.0950 | .51756 | .50388 | 10.115 | .50070 | 1.0370 |

|        |        |        |        |           |        |          |        |
|--------|--------|--------|--------|-----------|--------|----------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899   | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm      | ppm    |
| Avg    | 10.161 | 2.4594 | 2.4652 | F -.01437 | 2.4442 | F 2.3742 | 2.4645 |
| Stddev | .075   | .0017  | .0256  | .00230    | .0109  | .0001    | .0024  |
| %RSD   | .73330 | .07076 | 1.0389 | 15.990    | .44684 | .00201   | .09889 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.109 | 2.4606 | 2.4471 | -.01599 | 2.4365 | 2.3742 | 2.4662 |
| #2 | 10.214 | 2.4582 | 2.4833 | -.01274 | 2.4520 | 2.3743 | 2.4628 |



Sample Name: ICV01      Acquired: 10/17/2018 9:53:56      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
 Comment:

|        |           |          |          |          |          |
|--------|-----------|----------|----------|----------|----------|
| Elem   | Li6707    | P_1774   | Sr4077   | U_3670   | U_3859   |
| Units  | ppm       | ppm      | ppm      | ppm      | ppm      |
| Avg    | F -.01004 | F -.0033 | F .01193 | F 2.6534 | F 2.4143 |
| Stddev | .00114    | .0033    | .00015   | .1662    | .5458    |
| %RSD   | 11.377    | 100.4    | 1.2722   | 6.2633   | 22.606   |

|    |         |        |        |        |        |
|----|---------|--------|--------|--------|--------|
| #1 | -.00923 | -.0009 | .01204 | 2.5358 | 2.0284 |
| #2 | -.01085 | -.0056 | .01183 | 2.7709 | 2.8002 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3413.6 | 44570. | 3996.7 | 86.388 | 3496.2 |
| Stddev    | 6.0    | 70.    | 25.3   | 2.978  | 4.6    |
| %RSD      | .17708 | .15795 | .63277 | 3.4475 | .13111 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3409.3 | 44620. | 4014.6 | 84.282 | 3493.0 |
| #2 | 3417.9 | 44520. | 3978.8 | 88.494 | 3499.5 |

Sample Name: LLICV01      Acquired: 10/17/2018 9:57:44      Type: Unk  
Method: P4-ICP2(v2504)      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    | .01926   | .04576 | .01124 | .02037   | .05731   | .11520 | .11051 | .00651   |
| Stddev | .00292   | .00118 | .00225 | .00547   | .00024   | .00610 | .00118 | .00008   |
| %RSD   | 15.187   | 2.5735 | 20.025 | 26.877   | .42396   | 5.2994 | 1.0678 | 1.1999   |
| #1     | .01719   | .04492 | .01283 | .02424   | .05748   | .11951 | .10967 | .00646   |
| #2     | .02132   | .04659 | .00965 | .01650   | .05714   | .11088 | .11134 | .00657   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286   | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | .00604   | 2.2244 | .01020 | .03469   | .01995   | .09594 | .02347 | 2.1718   |
| Stddev | .00004   | .0222  | .00008 | .00009   | .00007   | .00191 | .00009 | .0186    |
| %RSD   | .62831   | .99969 | .75400 | .25792   | .36515   | 1.9906 | .37256 | .85552   |
| #1     | .00606   | 2.2087 | .01026 | .03475   | .02000   | .09459 | .02341 | 2.1587   |
| #2     | .00601   | 2.2401 | .01015 | .03463   | .01990   | .09729 | .02353 | 2.1850   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924   | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | .04454   | .01087 | 1.9084 | .04428   | .04496   | 1.9788 | .20796 | .10520   |
| Stddev | .00031   | .00047 | .0183  | .00124   | .00139   | .0223  | .00080 | .00787   |
| %RSD   | .69665   | 4.2890 | .95932 | 2.8052   | 3.0944   | 1.1287 | .38666 | 7.4793   |
| #1     | .04432   | .01120 | 1.8955 | .04516   | .04398   | 1.9630 | .20853 | .09964   |
| #2     | .04476   | .01054 | 1.9214 | .04340   | .04594   | 1.9946 | .20739 | .11076   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361   | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm      | ppm    | ppm    | ppm      |
| Avg    | F .00218 | .43268 | .04098 | F .04912 | F .01284 | .0179  | .02084 | F 1.9753 |
| Stddev | .00154   | .00503 | .00052 | .00072   | .00035   | .0000  | .00014 | .0399    |
| %RSD   | 70.653   | 1.1626 | 1.2688 | 1.4753   | 2.7180   | .2561  | .66990 | 2.0177   |
| #1     | .00328   | .42912 | .04135 | .04963   | .01309   | .0179  | .02074 | 2.0035   |
| #2     | .00109   | .43624 | .04061 | .04861   | .01260   | .0179  | .02094 | 1.9472   |

Sample Name: LLICV01      Acquired: 10/17/2018 9:57:44      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .74595 |
| Stddev | .15660   |
| %RSD   | 20.994   |

|    |        |
|----|--------|
| #1 | .63522 |
| #2 | .85669 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3438.4 | 44749. | 4019.8 | 88.613 | 3611.5 |
| Stddev    | 9.6    | 26.    | 10.4   | 2.728  | 16.1   |
| %RSD      | .28058 | .05743 | .25874 | 3.0789 | .44471 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3431.6 | 44767. | 4027.2 | 90.542 | 3600.2 |
| #2 | 3445.2 | 44730. | 4012.5 | 86.683 | 3622.9 |

Sample Name: ICB01      Acquired: 10/17/2018 10:01:45      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |         |         |         |        |
|--------|---------|--------|---------|---------|---------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00031 | .00262 | -.00338 | -.00293 | -.00147 | -.00468 | .00183 |
| Stddev | .00236  | .00125 | .00141  | .00117  | .00086  | .00009  | .00130 |
| %RSD   | 765.77  | 47.598 | 41.598  | 39.723  | 58.038  | 2.0228  | 70.995 |

|    |         |        |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|--------|
| #1 | -.00198 | .00351 | -.00438 | -.00211 | -.00087 | -.00474 | .00091 |
| #2 | .00136  | .00174 | -.00239 | -.00376 | -.00208 | -.00461 | .00274 |

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00009 | -.00003 | .02227 | -.00035 | .00001 | .00031 | .00243 |
| Stddev | .00006 | .00005  | .00029 | .00006  | .00002 | .00001 | .00531 |
| %RSD   | 67.124 | 164.50  | 1.2882 | 16.039  | 300.98 | 2.9573 | 218.85 |

|    |        |         |        |         |         |        |         |
|----|--------|---------|--------|---------|---------|--------|---------|
| #1 | .00013 | -.00007 | .02207 | -.00031 | -.00001 | .00030 | .00618  |
| #2 | .00004 | .00001  | .02247 | -.00039 | .00002  | .00032 | -.00133 |

|        |         |         |         |        |         |         |         |
|--------|---------|---------|---------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316  | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00006 | -.04703 | -.00002 | .00032 | -.25907 | -.00006 | -.00122 |
| Stddev | .00007  | .04372  | .00021  | .00070 | .00712  | .00040  | .00009  |
| %RSD   | 123.53  | 92.950  | 1076.3  | 221.98 | 2.7497  | 704.94  | 7.5483  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00011 | -.07795 | .00013  | -.00018 | -.25403 | .00022  | -.00115 |
| #2 | -.00001 | -.01612 | -.00016 | .00081  | -.26411 | -.00034 | -.00128 |

|        |         |         |         |           |        |         |        |
|--------|---------|---------|---------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.14882 | -.00026 | -.00567 | F -.01761 | .00681 | -.00193 | .00588 |
| Stddev | .00137  | .00020  | .00404  | .00410    | .00259 | .00030  | .00188 |
| %RSD   | .92227  | 79.223  | 71.218  | 23.280    | 38.034 | 15.734  | 32.005 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.14979 | -.00011 | -.00852 | -.01471 | .00498 | -.00214 | .00455 |
| #2 | -.14785 | -.00040 | -.00281 | -.02051 | .00865 | -.00171 | .00721 |

Sample Name: ICB01      Acquired: 10/17/2018 10:01:45      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00870 | -0.0033 | -0.00009 | F 2.1028 | F .54668 |
| Stddev | .00124   | .0003   | .00003   | .2370    | .19242   |
| %RSD   | 14.273   | 9.510   | 39.021   | 11.269   | 35.197   |

|    |          |         |          |        |        |
|----|----------|---------|----------|--------|--------|
| #1 | -0.00957 | -0.0035 | -0.00006 | 1.9352 | .41062 |
| #2 | -0.00782 | -0.0031 | -0.00011 | 2.2704 | .68274 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3459.0 | 44893. | 3980.0 | 87.438 | 3643.1 |
| Stddev    | 5.9    | 88.    | 12.1   | 1.762  | 12.1   |
| %RSD      | .17173 | .19583 | .30316 | 2.0150 | .33138 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3454.8 | 44831. | 3971.5 | 88.683 | 3634.6 |
| #2 | 3463.2 | 44955. | 3988.5 | 86.192 | 3651.7 |

Sample Name: CRI01      Acquired: 10/17/2018 10:05:49      Type: Unk  
 Method: P4-ICP2(v2504)      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    | .02077   | .04795 | .01047 | .02067 | .06170   | .11473 | .12074 | .00693   |
| Stddev | .00046   | .00055 | .00056 | .00126 | .00047   | .01269 | .00016 | .00003   |
| %RSD   | 2.1951   | 1.1458 | 5.3441 | 6.0711 | .76410   | 11.057 | .13172 | .46389   |
| #1     | .02109   | .04756 | .01007 | .01978 | .06203   | .10576 | .12085 | .00691   |
| #2     | .02045   | .04834 | .01086 | .02156 | .06136   | .12370 | .12063 | .00696   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | .00664   | 2.3937 | .01089 | .03733 | .02131   | .10448 | .02498 | 2.3694   |
| Stddev | .00004   | .0256  | .00076 | .00001 | .00020   | .00757 | .00000 | .0172    |
| %RSD   | .54399   | 1.0684 | 7.0235 | .01855 | .94609   | 7.2441 | .01944 | .72588   |
| #1     | .00661   | 2.4118 | .01035 | .03733 | .02145   | .09913 | .02499 | 2.3572   |
| #2     | .00666   | 2.3756 | .01143 | .03734 | .02117   | .10984 | .02498 | 2.3816   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | .04793   | .01084 | 2.0491 | .04636 | .05078   | 2.1304 | .22207 | .10984   |
| Stddev | .00067   | .00062 | .0125  | .00028 | .00017   | .0308  | .00001 | .00759   |
| %RSD   | 1.3922   | 5.6907 | .60839 | .59781 | .32700   | 1.4452 | .00358 | 6.9090   |
| #1     | .04746   | .01041 | 2.0403 | .04616 | .05066   | 2.1521 | .22208 | .11521   |
| #2     | .04840   | .01128 | 2.0579 | .04655 | .05090   | 2.1086 | .22206 | .10448   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | F .00230 | .46224 | .04318 | .05064 | F .01019 | .0176  | .02216 | F 1.7508 |
| Stddev | .00130   | .00915 | .00037 | .00031 | .00210   | .0011  | .00008 | .4049    |
| %RSD   | 56.300   | 1.9794 | .85836 | .61098 | 20.640   | 6.236  | .34937 | 23.127   |
| #1     | .00322   | .45577 | .04344 | .05086 | .00870   | .0168  | .02221 | 2.0371   |
| #2     | .00138   | .46871 | .04292 | .05042 | .01167   | .0184  | .02210 | 1.4645   |

Sample Name: CRI01      Acquired: 10/17/2018 10:05:49      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .51612 |
| Stddev | .82136   |
| %RSD   | 159.14   |

|    |         |
|----|---------|
| #1 | -.06467 |
| #2 | 1.0969  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3474.8 | 45324. | 4044.4 | 87.917 | 3645.9 |
| Stddev    | 8.8    | 11.    | 17.0   | .153   | 6.2    |
| %RSD      | .25320 | .02451 | .42048 | .17426 | .16920 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3468.6 | 45316. | 4056.5 | 88.025 | 3641.5 |
| #2 | 3481.0 | 45332. | 4032.4 | 87.808 | 3650.3 |

Sample Name: ICSA01      Acquired: 10/17/2018 10:09:51      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01040 | -.00505 | .00185 | -.00718 | .00348 | 289.84 | .00693 |
| Stddev | .00397 | .00283  | .00012 | .00368  | .00312 | .13    | .00051 |
| %RSD   | 38.187 | 56.022  | 6.5969 | 51.244  | 89.907 | .04494 | 7.3201 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01321 | -.00305 | .00194 | -.00458 | .00127 | 289.94 | .00729 |
| #2 | .00759 | -.00705 | .00177 | -.00978 | .00568 | 289.75 | .00657 |

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00031 | -.00191 | 266.53 | .05523 | -.00058 | .00281 | 100.67 |
| Stddev | .00007 | .00035  | .14    | .00012 | .00022  | .00087 | .33    |
| %RSD   | 22.085 | 18.320  | .05348 | .22427 | 36.989  | 30.880 | .32338 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00036 | -.00166 | 266.43 | .05515 | -.00073 | .00342 | 100.44 |
| #2 | .00026 | -.00216 | 266.63 | .05532 | -.00043 | .00219 | 100.90 |

|        |        |        |         |         |         |        |        |
|--------|--------|--------|---------|---------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01478 | 259.80 | -.00794 | -.00076 | -.19145 | .00096 | .00014 |
| Stddev | .00010 | .75    | .00013  | .00051  | .02219  | .00064 | .00010 |
| %RSD   | .66027 | .28913 | 1.6618  | 66.809  | 11.589  | 66.267 | 67.209 |

|    |        |        |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|
| #1 | .01485 | 259.27 | -.00803 | -.00040 | -.20714 | .00051 | .00021 |
| #2 | .01471 | 260.33 | -.00784 | -.00112 | -.17576 | .00141 | .00008 |

|        |         |         |         |           |        |        |        |
|--------|---------|---------|---------|-----------|--------|--------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm       | ppm    | ppm    | ppm    |
| Avg    | -.09313 | -.00001 | -.04470 | F -.03155 | .00266 | .00482 | .00397 |
| Stddev | .02966  | .00084  | .00166  | .00136    | .00219 | .00005 | .00102 |
| %RSD   | 31.853  | 6483.3  | 3.7197  | 4.2956    | 82.357 | .97356 | 25.752 |

|    |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.07215 | .00058  | -.04588 | -.03250 | .00111 | .00479 | .00325 |
| #2 | -.11410 | -.00061 | -.04353 | -.03059 | .00420 | .00486 | .00470 |



Sample Name: ICSA01      Acquired: 10/17/2018 10:09:51      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |          |          |          |
|--------|---------|--------|----------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077   | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm      | ppm      | ppm      |
| Avg    | -.00164 | .0051  | F .10536 | F 4.0411 | F 8.9763 |
| Stddev | .00133  | .0006  | .00084   | .0316    | .1589    |
| %RSD   | 80.920  | 11.72  | .79678   | .78121   | 1.7707   |

|    |         |       |        |        |        |
|----|---------|-------|--------|--------|--------|
| #1 | -.00258 | .0046 | .10477 | 4.0188 | 8.8639 |
| #2 | -.00070 | .0055 | .10596 | 4.0635 | 9.0886 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3088.1 | 39725. | 3880.3 | 80.646 | 2933.8 |
| Stddev    | 7.0    | 166.   | 13.6   | .348   | 5.6    |
| %RSD      | .22633 | .41862 | .35012 | .43214 | .19088 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3083.1 | 39607. | 3870.7 | 80.399 | 2929.8 |
| #2 | 3093.0 | 39843. | 3889.9 | 80.892 | 2937.7 |

Sample Name: ICSAB01      Acquired: 10/17/2018 10:13:58      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .10960 | .08999 | .05552 | .04258 | .65776 | 280.39 | .54175 |
| Stddev | .00310 | .00065 | .00087 | .00067 | .00095 | 1.10   | .00365 |
| %RSD   | 2.8261 | .72490 | 1.5715 | 1.5801 | .14392 | .39343 | .67291 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .10741 | .09045 | .05490 | .04210 | .65843 | 279.61 | .54433 |
| #2 | .11179 | .08952 | .05613 | .04306 | .65709 | 281.17 | .53918 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .56768 | 1.0520 | 258.43 | .56217 | .53132 | .49177 | 94.893 |
| Stddev | .00183 | .0031  | 2.10   | .00066 | .00155 | .00208 | .038   |
| %RSD   | .32315 | .29518 | .81162 | .11815 | .29149 | .42363 | .04005 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .56898 | 1.0542 | 259.92 | .56264 | .53242 | .49324 | 94.920 |
| #2 | .56638 | 1.0498 | 256.95 | .56170 | .53023 | .49029 | 94.866 |

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .55210 | 249.80 | 1.0240 | .20849 | -.21211 | .51292 | 1.0192 |
| Stddev | .00023 | 2.94   | .0017  | .00143 | .00240  | .00081 | .0010  |
| %RSD   | .04175 | 1.1774 | .16755 | .68710 | 1.1305  | .15811 | .09610 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .55226 | 251.88 | 1.0228 | .20748 | -.21381 | .51349 | 1.0185 |
| #2 | .55194 | 247.72 | 1.0252 | .20950 | -.21042 | .51234 | 1.0199 |

|        |         |          |          |           |          |          |          |
|--------|---------|----------|----------|-----------|----------|----------|----------|
| Elem   | K_7664  | Mo2020   | B_2496   | S_1820    | Si2881   | Sn1899   | Ti3361   |
| Units  | ppm     | ppm      | ppm      | ppm       | ppm      | ppm      | ppm      |
| Avg    | -.05101 | F .96137 | F .94679 | F -.03313 | F .90693 | F .96936 | F .97247 |
| Stddev | .02704  | .00380   | .00886   | .00133    | .01336   | .00714   | .00421   |
| %RSD   | 52.999  | .39540   | .93585   | 4.0041    | 1.4730   | .73707   | .43280   |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.03190 | .96406 | .95306 | -.03407 | .91638 | .97441 | .96949 |
| #2 | -.07013 | .95868 | .94053 | -.03219 | .89749 | .96430 | .97544 |

Sample Name: ICSAB01      Acquired: 10/17/2018 10:13:58      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |          |          |
|--------|---------|---------|--------|----------|----------|
| Elem   | Li6707  | P_1774  | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm     | ppm    | ppm      | ppm      |
| Avg    | -.00414 | F .0036 | .10121 | F 3.8652 | F 9.2049 |
| Stddev | .00065  | .0032   | .00023 | .3454    | .2210    |
| %RSD   | 15.612  | 88.22   | .23081 | 8.9352   | 2.4011   |

|    |         |       |        |        |        |
|----|---------|-------|--------|--------|--------|
| #1 | -.00368 | .0014 | .10137 | 4.1094 | 9.0487 |
| #2 | -.00460 | .0059 | .10104 | 3.6210 | 9.3612 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3116.0 | 40225. | 3933.5 | 83.558 | 2964.0 |
| Stddev    | 23.2   | 14.    | 44.4   | .165   | 17.5   |
| %RSD      | .74447 | .03566 | 1.1298 | .19775 | .58991 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3099.6 | 40235. | 3902.0 | 83.441 | 2951.6 |
| #2 | 3132.4 | 40215. | 3964.9 | 83.675 | 2976.4 |

Sample Name: CCV01      Acquired: 10/17/2018 10:17:55      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |          |        |        |          |          |        |          |
|--------|--------|----------|--------|--------|----------|----------|--------|----------|
| Elem   | As1890 | Tl1908   | Pb2203 | Se1960 | Sb2068   | Al3961   | Ba4934 | Be2348   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm      | ppm      | ppm    | ppm      |
| Avg    | 4.9486 | 4.9312   | 5.1318 | 5.1691 | F 5.2823 | F 10.646 | 10.214 | .26016   |
| Stddev | .0141  | .0073    | .0200  | .0036  | .0006    | .022     | .044   | .00039   |
| %RSD   | .28456 | .14743   | .38973 | .07004 | .01111   | .21130   | .42868 | .14846   |
| #1     | 4.9586 | 4.9261   | 5.1177 | 5.1665 | 5.2827   | 10.630   | 10.183 | .26044   |
| #2     | 4.9387 | 4.9364   | 5.1460 | 5.1717 | 5.2818   | 10.662   | 10.245 | .25989   |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247   | Fe2404   | Mn2576 | Mg2790   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm      | ppm      | ppm    | ppm      |
| Avg    | 2.5593 | F 26.725 | .98654 | 2.5818 | 1.2047   | 4.9473   | 2.5954 | 24.828   |
| Stddev | .0047  | .159     | .00232 | .0037  | .0004    | .1208    | .0036  | .144     |
| %RSD   | .18359 | .59372   | .23524 | .14362 | .03540   | 2.4407   | .13689 | .57801   |
| #1     | 2.5560 | 26.612   | .98490 | 2.5792 | 1.2050   | 5.0327   | 2.5979 | 24.726   |
| #2     | 2.5626 | 26.837   | .98818 | 2.5844 | 1.2044   | 4.8619   | 2.5929 | 24.929   |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138   | K_7664   | Mo2020 | B_2496   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm      | ppm      | ppm    | ppm      |
| Avg    | 2.5316 | 1.1959   | 24.757 | 2.4620 | 2.5231   | 24.781   | 5.0088 | 5.0689   |
| Stddev | .0035  | .0019    | .049   | .0041  | .0667    | .077     | .0042  | .0110    |
| %RSD   | .13972 | .15835   | .19888 | .16555 | 2.6452   | .30888   | .08369 | .21608   |
| #1     | 2.5291 | 1.1972   | 24.723 | 2.4649 | 2.5702   | 24.727   | 5.0059 | 5.0612   |
| #2     | 2.5341 | 1.1945   | 24.792 | 2.4591 | 2.4759   | 24.835   | 5.0118 | 5.0767   |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707   | P_1774   | Sr4077 | U_3670   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm      | ppm      | ppm    | ppm      |
| Avg    | 5.0656 | 5.2098   | 4.9287 | 5.0651 | 5.1737   | 5.066    | 5.0802 | F 3.5419 |
| Stddev | .0205  | .0151    | .0132  | .0013  | .0133    | .020     | .0174  | .4132    |
| %RSD   | .40539 | .29059   | .26870 | .02585 | .25667   | .3908    | .34215 | 11.666   |
| #1     | 5.0511 | 5.1991   | 4.9193 | 5.0661 | 5.1644   | 5.052    | 5.0679 | 3.8341   |
| #2     | 5.0802 | 5.2205   | 4.9380 | 5.0642 | 5.1831   | 5.080    | 5.0925 | 3.2497   |

Sample Name: CCV01      Acquired: 10/17/2018 10:17:55      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.0410  
Stddev      .3302  
%RSD      16.180

#1      2.2745  
#2      1.8074

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3330.1 | 43231. | 4018.1 | 86.428 | 3298.5 |
| Stddev    | 3.9    | 112.   | 9.6    | 2.447  | .3     |
| %RSD      | .11706 | .25957 | .23888 | 2.8310 | .00780 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3327.3 | 43152. | 4024.9 | 84.698 | 3298.7 |
| #2 | 3332.9 | 43311. | 4011.3 | 88.158 | 3298.3 |

Sample Name: CCB01      Acquired: 10/17/2018 10:21:40      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |         |        |        |
|--------|--------|--------|---------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00192 | .00293 | -.00249 | -.00108 | -.00171 | .01261 | .00293 |
| Stddev | .00270 | .00144 | .00048  | .00036  | .00124  | .02168 | .00034 |
| %RSD   | 140.79 | 49.176 | 19.444  | 33.133  | 72.276  | 171.94 | 11.746 |

|    |        |        |         |         |         |         |        |
|----|--------|--------|---------|---------|---------|---------|--------|
| #1 | .00382 | .00395 | -.00283 | -.00083 | -.00084 | .02793  | .00268 |
| #2 | .00001 | .00191 | -.00214 | -.00134 | -.00259 | -.00272 | .00317 |

|        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00007 | .00002 | .02126 | -.00001 | .00028 | .00038 | -.00260 |
| Stddev | .00013 | .00001 | .01085 | .00027  | .00012 | .00028 | .00766  |
| %RSD   | 195.22 | 62.107 | 51.045 | 1814.7  | 41.990 | 73.223 | 294.62  |

|    |         |        |        |         |        |        |         |
|----|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00016  | .00003 | .02893 | .00017  | .00036 | .00057 | .00282  |
| #2 | -.00003 | .00001 | .01358 | -.00020 | .00020 | .00018 | -.00801 |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00011 | -.04018 | .00046 | .00034 | -.26761 | -.00016 | -.00052 |
| Stddev | .00004  | .04752  | .00017 | .00029 | .01145  | .00011  | .00008  |
| %RSD   | 33.934  | 118.24  | 36.914 | 85.723 | 4.2796  | 71.683  | 15.153  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00013 | -.00659 | .00059 | .00014 | -.25951 | -.00008 | -.00046 |
| #2 | -.00008 | -.07378 | .00034 | .00055 | -.27571 | -.00024 | -.00058 |

|        |         |        |         |           |        |         |        |
|--------|---------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.10858 | .00043 | -.00620 | F -.01982 | .00898 | -.00230 | .00483 |
| Stddev | .00133  | .00028 | .00344  | .00205    | .00005 | .00073  | .00300 |
| %RSD   | 1.2260  | 65.927 | 55.452  | 10.322    | .55940 | 31.771  | 62.141 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.10763 | .00062 | -.00863 | -.01838 | .00895 | -.00178 | .00695 |
| #2 | -.10952 | .00023 | -.00377 | -.02127 | .00902 | -.00282 | .00271 |

Sample Name: CCB01      Acquired: 10/17/2018 10:21:40      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
 Comment:

|        |           |        |        |          |          |
|--------|-----------|--------|--------|----------|----------|
| Elem   | Li6707    | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm       | ppm    | ppm    | ppm      | ppm      |
| Avg    | F -.01178 | -.0013 | .00031 | F 2.4345 | F .74279 |
| Stddev | .00158    | .0009  | .00010 | .0620    | .26817   |
| %RSD   | 13.434    | 66.30  | 31.409 | 2.5483   | 36.103   |

|    |         |        |        |        |        |
|----|---------|--------|--------|--------|--------|
| #1 | -.01289 | -.0007 | .00038 | 2.3906 | .93242 |
| #2 | -.01066 | -.0019 | .00024 | 2.4784 | .55317 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3441.1 | 44990. | 4042.9 | 89.358 | 3658.1 |
| Stddev    | 14.8   | 74.    | 36.1   | .318   | 14.6   |
| %RSD      | .43050 | .16378 | .89183 | .35609 | .39797 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3430.6 | 44938. | 4068.4 | 89.133 | 3647.8 |
| #2 | 3451.6 | 45042. | 4017.4 | 89.583 | 3668.3 |

Sample Name: LR CHECK1      Acquired: 10/17/2018 10:40:56      Type: Unk  
Method: P4-ICP2(v2504)      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    | .04015 | -.07213 | .01342 | -.16474 | .06649 | 2086.8 | .00552 | .01567 |
| Stddev | .00252 | .00441  | .00240 | .00197  | .00112 | .8     | .00143 | .00017 |
| %RSD   | 6.2851 | 6.1075  | 17.918 | 1.1950  | 1.6858 | .04009 | 25.855 | 1.1026 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .03837 | -.06902 | .01512 | -.16614 | .06729 | 2086.2 | .00451 | .01579 |
| #2 | .04193 | -.07525 | .01172 | -.16335 | .06570 | 2087.4 | .00653 | .01555 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01287 | 1778.0 | .10053 | .04900 | .04778 | 957.73 | .01575 | 1856.5 |
| Stddev | .00213 | 13.2   | .00007 | .00091 | .00746 | 21.27  | .00023 | .3     |
| %RSD   | 16.530 | .74262 | .07004 | 1.8573 | 15.608 | 2.2209 | 1.4422 | .01471 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01437 | 1787.4 | .10048 | .04836 | .04251 | 942.69 | .01591 | 1856.3 |
| #2 | .01136 | 1768.7 | .10058 | .04964 | .05306 | 972.77 | .01559 | 1856.7 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .10004 | -.01383 | 1643.7 | .00427 | .06631 | 1026.8 | .01168 | -.39514 |
| Stddev | .00082 | .00258  | 18.7   | .00057 | .00201 | 7.9    | .00074 | .01576  |
| %RSD   | .81734 | 18.660  | 1.1349 | 13.301 | 3.0346 | .76527 | 6.3667 | 3.9891  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .10062 | -.01565 | 1656.8 | .00467 | .06489 | 1032.3 | .01115 | -.40629 |
| #2 | .09947 | -.01200 | 1630.5 | .00387 | .06773 | 1021.2 | .01220 | -.38399 |

|        |        |         |        |         |        |        |        |         |
|--------|--------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .23908 | -.00851 | .05454 | -.04473 | .02817 | .0950  | .01752 | <.00000 |
| Stddev | .01378 | .00321  | .00168 | .00001  | .00015 | .0039  | .00016 | .44992  |
| %RSD   | 5.7633 | 37.694  | 3.0807 | .02608  | .54688 | 4.118  | .92152 | 7.3893  |

|    |        |         |        |         |        |       |        |         |
|----|--------|---------|--------|---------|--------|-------|--------|---------|
| #1 | .22933 | -.00624 | .05573 | -.04472 | .02828 | .0978 | .01764 | -6.4070 |
| #2 | .24882 | -.01078 | .05336 | -.04474 | .02806 | .0922 | .01741 | -5.7707 |



Sample Name: LR CHECK1      Acquired: 10/17/2018 10:40:56      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .79578  
%RSD      .43742

#1      -181.36  
#2      -182.49

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2402.4 | 31266. | 3525.4 | 66.321 | 1899.5 |
| Stddev    | 1.9    | 153.   | 13.0   | 1.784  | .9     |
| %RSD      | .08090 | .48864 | .36785 | 2.6896 | .04893 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2403.8 | 31158. | 3534.6 | 67.583 | 1900.2 |
| #2 | 2401.1 | 31374. | 3516.3 | 65.060 | 1898.9 |

Sample Name: PB113871BS      Acquired: 10/17/2018 10:49:23      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB113871BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .76719 | 2.0027 | 1.0121 | 2.0808 | .84279 | 2.1164 | .21319 |
| Stddev | .00253 | .0052  | .0033  | .0104  | .00150 | .0510  | .00084 |
| %RSD   | .32993 | .25710 | .32215 | .49874 | .17820 | 2.4121 | .39230 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76898 | 2.0063 | 1.0144 | 2.0882 | .84386 | 2.1525 | .21260 |
| #2 | .76540 | 1.9990 | 1.0098 | 2.0735 | .84173 | 2.0804 | .21378 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21123 | .20154 | 1.1718 | .40211 | .20988 | .30361 | 2.9642 |
| Stddev | .00046 | .00017 | .0049  | .00038 | .00024 | .00021 | .0363  |
| %RSD   | .21608 | .08227 | .41695 | .09476 | .11210 | .06886 | 1.2261 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21091 | .20166 | 1.1684 | .40238 | .21005 | .30347 | 2.9898 |
| #2 | .21156 | .20142 | 1.1753 | .40184 | .20971 | .30376 | 2.9385 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22038 | 1.9758 | .50940 | .06911 | 3.4986 | .29601 | .20450 |
| Stddev | .00001 | .0280  | .00259 | .00014 | .0171  | .00067 | .00158 |
| %RSD   | .00588 | 1.4177 | .50880 | .20069 | .48755 | .22539 | .77087 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22039 | 1.9560 | .51124 | .06902 | 3.5107 | .29648 | .20561 |
| #2 | .22037 | 1.9956 | .50757 | .06921 | 3.4865 | .29554 | .20338 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.549 | .40062 | .29546 | F -.02256 | 1.0195 | .66288 | .21215 |
| Stddev | .024   | .00012 | .00100 | .00269    | .0223  | .00025 | .00113 |
| %RSD   | .23116 | .02968 | .33985 | 11.901    | 2.1917 | .03721 | .53271 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.532 | .40054 | .29475 | -.02446 | 1.0037 | .66271 | .21135 |
| #2 | 10.567 | .40070 | .29617 | -.02066 | 1.0353 | .66305 | .21295 |

Sample Name: PB113871BS      Acquired: 10/17/2018 10:49:23      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB113871BS      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .20555 | 5.556  | .20654 | F 2.5270 | F .25839 |
| Stddev | .00022 | .009   | .00043 | .4556    | .17715   |
| %RSD   | .10579 | .1535  | .20726 | 18.029   | 68.560   |

|    |        |       |        |        |        |
|----|--------|-------|--------|--------|--------|
| #1 | .20539 | 5.562 | .20684 | 2.8492 | .38366 |
| #2 | .20570 | 5.550 | .20624 | 2.2049 | .13312 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3371.6 | 44562. | 3991.3 | 89.975 | 3553.9 |
| Stddev    | 19.8   | 446.   | 23.4   | 1.190  | 19.9   |
| %RSD      | .58728 | 1.0014 | .58617 | 1.3229 | .56033 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3357.6 | 44246. | 4007.8 | 89.133 | 3539.8 |
| #2 | 3385.6 | 44877. | 3974.7 | 90.817 | 3567.9 |

Sample Name: J5198-11      Acquired: 10/17/2018 10:53:16      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-02-101218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03386 | -.04034 | .79203 | -.00713 | .00633 | 146.24 | .63577 |
| Stddev | .00192 | .00065  | .00152 | .00389  | .00051 | .38    | .00132 |
| %RSD   | 5.6721 | 1.5989  | .19140 | 54.524  | 8.0580 | .26235 | .20695 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03250 | -.03989 | .79310 | -.00988 | .00597 | 145.97 | .63670 |
| #2 | .03522 | -.04080 | .79096 | -.00438 | .00669 | 146.51 | .63484 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00692 | -.00558 | 103.88 | .20623 | .15287 | .47287 | 324.59 |
| Stddev | .00030 | .00013  | .21    | .00045 | .00001 | .00076 | .77    |
| %RSD   | 4.3345 | 2.3624  | .20156 | .21984 | .00679 | .16114 | .23619 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00713 | -.00549 | 103.73 | .20591 | .15286 | .47341 | 325.13 |
| #2 | .00671 | -.00567 | 104.03 | .20655 | .15288 | .47233 | 324.05 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.3580 | 55.226 | .23568 | .01040 | 7.4105 | .54899 | .99377 |
| Stddev | .0022  | .530   | .00018 | .00038 | .0220  | .00228 | .00026 |
| %RSD   | .05056 | .96060 | .07737 | 3.6912 | .29699 | .41443 | .02585 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.3596 | 55.601 | .23581 | .01067 | 7.4261 | .54738 | .99359 |
| #2 | 4.3564 | 54.851 | .23556 | .01013 | 7.3949 | .55060 | .99395 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.282 | .00480 | .10515 | 6.3307 | 2.8531 | .03407 | 6.2379 |
| Stddev | .012   | .00037 | .01125 | .0270  | .0042  | .00005 | .0040  |
| %RSD   | .10423 | 7.8141 | 10.696 | .42636 | .14786 | .15370 | .06494 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.274 | .00506 | .11311 | 6.3498 | 2.8501 | .03410 | 6.2408 |
| #2 | 11.291 | .00453 | .09720 | 6.3116 | 2.8561 | .03403 | 6.2350 |

Sample Name: J5198-11      Acquired: 10/17/2018 10:53:16      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CL-02-101218      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .12308 | 7.031  | .30270 | <.00000 | F<.00000 |
| Stddev | .00029 | .014   | .00102 | .12617  | 1.8058   |
| %RSD   | .23480 | .1959  | .33591 | 1.0767  | 3.8025   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .12328 | 7.041 | .30342 | -11.808 | -46.214 |
| #2 | .12287 | 7.022 | .30198 | -11.630 | -48.767 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3834.8 | 50750. | 4883.9 | 85.558 | 3181.8 |
| Stddev    | 10.1   | 27.    | 13.9   | .110   | 8.6    |
| %RSD      | .26318 | .05331 | .28484 | .12837 | .27025 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3827.7 | 50731. | 4874.0 | 85.480 | 3175.8 |
| #2 | 3842.0 | 50769. | 4893.7 | 85.635 | 3187.9 |

Sample Name: J5198-11DUP      Acquired: 10/17/2018 10:57:12      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-02-101218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03416 | -.04093 | .79530 | -.00997 | .00913 | 148.13 | .63158 |
| Stddev | .00407 | .00117  | .00483 | .00340  | .00073 | .54    | .00416 |
| %RSD   | 11.927 | 2.8530  | .60712 | 34.095  | 8.0409 | .36663 | .65799 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03704 | -.04011 | .79871 | -.01237 | .00861 | 148.52 | .63452 |
| #2 | .03127 | -.04176 | .79188 | -.00757 | .00965 | 147.75 | .62864 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00666 | -.00469 | 103.44 | .20677 | .15303 | .46913 | 318.12 |
| Stddev | .00003 | .00023  | .42    | .00086 | .00043 | .00123 | 1.27   |
| %RSD   | .47030 | 4.8460  | .40559 | .41744 | .27925 | .26147 | .39963 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00663 | -.00453 | 103.74 | .20616 | .15333 | .46826 | 317.22 |
| #2 | .00668 | -.00485 | 103.14 | .20738 | .15273 | .46999 | 319.02 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.3921 | 54.720 | .23796 | .00956 | 7.2009 | .54977 | .97329 |
| Stddev | .0026  | .300   | .00034 | .00052 | .0086  | .00339 | .00024 |
| %RSD   | .05867 | .54867 | .14391 | 5.3897 | .11891 | .61742 | .02501 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.3940 | 54.932 | .23772 | .00920 | 7.2069 | .54737 | .97311 |
| #2 | 4.3903 | 54.507 | .23820 | .00993 | 7.1948 | .55217 | .97346 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.285 | .00484 | .08724 | 6.3073 | 2.8439 | .03481 | 6.2182 |
| Stddev | .062   | .00013 | .00046 | .0016  | .0250  | .00083 | .0224  |
| %RSD   | .55366 | 2.7668 | .53301 | .02587 | .87725 | 2.3761 | .35989 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.329 | .00475 | .08691 | 6.3085 | 2.8615 | .03422 | 6.2024 |
| #2 | 11.240 | .00494 | .08757 | 6.3062 | 2.8262 | .03539 | 6.2340 |

Sample Name: J5198-11DUP      Acquired: 10/17/2018 10:57:12      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-02-101218 Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .12241 | 6.995  | .29769 | <.00000 | F<.00000 |
| Stddev | .00021 | .018   | .00151 | .18927  | .47424   |
| %RSD   | .16863 | .2509  | .50582 | 1.7405  | .98549   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .12227 | 7.007 | .29876 | -10.741 | -47.787 |
| #2 | .12256 | 6.982 | .29663 | -11.009 | -48.458 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3804.7 | 50379. | 4927.9 | 86.885 | 3169.0 |
| Stddev    | .0     | 141.   | 18.4   | .157   | 4.8    |
| %RSD      | .00124 | .27962 | .37286 | .18082 | .15004 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3804.7 | 50280. | 4914.9 | 86.996 | 3165.7 |
| #2 | 3804.6 | 50479. | 4940.9 | 86.774 | 3172.4 |

Sample Name: J5198-11LX5      Acquired: 10/17/2018 11:01:06      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-02-101218 Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01003 | -.00699 | .15670 | -.00523 | -.00002 | 32.096 | .14669 | .00083 |
| Stddev | .00339 | .00111  | .00073 | .00066  | .00141  | .018   | .00168 | .00015 |
| %RSD   | 33.847 | 15.858  | .46328 | 12.641  | 9080.0  | .05664 | 1.1485 | 18.058 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00763 | -.00620 | .15721 | -.00570 | -.00101 | 32.109 | .14550 | .00072 |
| #2 | .01243 | -.00777 | .15618 | -.00476 | .00098  | 32.084 | .14789 | .00094 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00118 | 24.219 | .04862 | .02971 | .10344 | 61.973 | 1.0333 | 12.927 |
| Stddev | .00008  | .011   | .00022 | .00002 | .00041 | .841   | .0017  | .057   |
| %RSD   | 6.3583  | .04464 | .45747 | .08299 | .39329 | 1.3574 | .16277 | .43780 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00124 | 24.211 | .04847 | .02969 | .10315 | 61.378 | 1.0322 | 12.887 |
| #2 | -.00113 | 24.226 | .04878 | .02973 | .10373 | 62.568 | 1.0345 | 12.967 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04626 | .00069 | 1.6384 | .12398 | .19527 | 2.6872 | .00086 | .00023 |
| Stddev | .00093 | .00015 | .0086  | .00021 | .00418 | .0283  | .00029 | .00585 |
| %RSD   | 2.0135 | 21.767 | .52771 | .17113 | 2.1394 | 1.0535 | 33.472 | 2533.2 |

|    |        |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|--------|---------|
| #1 | .04560 | .00080 | 1.6445 | .12383 | .19231 | 2.6672 | .00106 | -.00391 |
| #2 | .04692 | .00058 | 1.6323 | .12413 | .19822 | 2.7072 | .00065 | .00437  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1692 | .66686 | .00377 | 1.4294 | .01818 | 1.344  | .06919 | .26355 |
| Stddev | .0031  | .00450 | .00209 | .0027  | .00001 | .003   | .00024 | .00054 |
| %RSD   | .26426 | .67421 | 55.429 | .18525 | .04609 | .1965  | .34266 | .20309 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 1.1714 | .66368 | .00525 | 1.4276 | .01818 | 1.345 | .06936 | .26317 |
| #2 | 1.1670 | .67004 | .00230 | 1.4313 | .01817 | 1.342 | .06902 | .26392 |



Sample Name: J5198-11LX5      Acquired: 10/17/2018 11:01:06      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CL-02-101218 Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 7.6659 |
| Stddev | .2139  |
| %RSD   | 2.7900 |

|    |        |
|----|--------|
| #1 | 7.8171 |
| #2 | 7.5147 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3422.8 | 45226. | 4178.1 | 89.744 | 3410.4 |
| Stddev    | 6.7    | 105.   | 39.7   | 1.352  | 11.4   |
| %RSD      | .19518 | .23161 | .94971 | 1.5065 | .33355 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3418.1 | 45300. | 4206.1 | 90.700 | 3402.4 |
| #2 | 3427.6 | 45152. | 4150.0 | 88.788 | 3418.5 |

Sample Name: J5198-11MS      Acquired: 10/17/2018 11:05:03      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-02-101218      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77550 | 2.1696 | 1.9488 | 1.9494 | .85455 | 145.53 | .83096 |
| Stddev | .00527 | .0089  | .0084  | .0134  | .00614 | .02    | .00329 |
| %RSD   | .67942 | .41069 | .42908 | .68569 | .71849 | .01036 | .39642 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77178 | 2.1633 | 1.9429 | 1.9399 | .85020 | 145.54 | .83329 |
| #2 | .77923 | 2.1759 | 1.9547 | 1.9588 | .85889 | 145.52 | .82863 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21188 | .22798 | 104.15 | .57834 | .39461 | .73761 | 313.29 |
| Stddev | .00068 | .00187 | .32    | .00061 | .00168 | .00206 | 3.89   |
| %RSD   | .31871 | .82004 | .30744 | .10490 | .42658 | .27972 | 1.2402 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21140 | .22666 | 104.38 | .57791 | .39342 | .73615 | 316.04 |
| #2 | .21235 | .22931 | 103.93 | .57876 | .39580 | .73907 | 310.55 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.5076 | 56.803 | .81707 | .07467 | 10.070 | .81646 | 1.1709 |
| Stddev | .0113  | .074   | .00328 | .00099 | .049   | .00251 | .0129  |
| %RSD   | .25002 | .13013 | .40110 | 1.3305 | .48706 | .30782 | 1.1053 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.4996 | 56.751 | .81475 | .07537 | 10.105 | .81468 | 1.1801 |
| #2 | 4.5155 | 56.855 | .81939 | .07396 | 10.035 | .81824 | 1.1618 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 20.987 | .39627 | .38834 | 6.2103 | 3.8276 | .82282 | 6.3808 |
| Stddev | .147   | .00385 | .00965 | .0222  | .0192  | .00668 | .0072  |
| %RSD   | .69847 | .97123 | 2.4847 | .35793 | .50051 | .81177 | .11227 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 21.091 | .39354 | .39516 | 6.1946 | 3.8141 | .81810 | 6.3758 |
| #2 | 20.883 | .39899 | .38152 | 6.2260 | 3.8412 | .82755 | 6.3859 |

Sample Name: J5198-11MS      Acquired: 10/17/2018 11:05:03      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-02-101218 Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |          |
|--------|--------|---------|--------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .32970 | F 13.47 | .49040 | <.00000 | F<.00000 |
| Stddev | .00378 | .02     | .00076 | .21056  | 1.2361   |
| %RSD   | 1.1473 | .1136   | .15561 | 1.8847  | 2.5494   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .32702 | 13.46 | .49094 | -11.321 | -47.610 |
| #2 | .33237 | 13.48 | .48986 | -11.023 | -49.358 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3782.8 | 50426. | 4790.8 | 87.141 | 3135.8 |
| Stddev    | 10.0   | 29.    | 6.6    | 1.170  | 1.2    |
| %RSD      | .26371 | .05787 | .13804 | 1.3423 | .03915 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3789.9 | 50447. | 4786.1 | 86.314 | 3134.9 |
| #2 | 3775.8 | 50405. | 4795.4 | 87.969 | 3136.7 |

Sample Name: J5198-11MSD      Acquired: 10/17/2018 11:08:52      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-02-101218      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77657 | 2.1965 | 1.9638 | 1.9533 | .85835 | 146.42 | .83296 |
| Stddev | .01309 | .0380  | .0377  | .0214  | .00963 | .54    | .00050 |
| %RSD   | 1.6856 | 1.7306 | 1.9184 | 1.0973 | 1.1224 | .36652 | .05945 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .78583 | 2.2233 | 1.9904 | 1.9684 | .86516 | 146.04 | .83331 |
| #2 | .76731 | 2.1696 | 1.9372 | 1.9381 | .85154 | 146.80 | .83261 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21273 | .23015 | 103.66 | .57847 | .39890 | .74589 | 318.48 |
| Stddev | .00024 | .00526 | .31    | .00162 | .00758 | .00811 | 2.40   |
| %RSD   | .11208 | 2.2843 | .29430 | .27988 | 1.9005 | 1.0878 | .75320 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21290 | .23387 | 103.45 | .57961 | .40426 | .75163 | 316.78 |
| #2 | .21256 | .22643 | 103.88 | .57732 | .39354 | .74015 | 320.17 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.5300 | 56.362 | .82469 | .07663 | 10.076 | .81702 | 1.1893 |
| Stddev | .0136  | .281   | .01705 | .00056 | .008   | .00246 | .0071  |
| %RSD   | .30002 | .49851 | 2.0678 | .73210 | .08246 | .30128 | .59771 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.5204 | 56.561 | .83675 | .07623 | 10.071 | .81528 | 1.1842 |
| #2 | 4.5396 | 56.164 | .81263 | .07703 | 10.082 | .81876 | 1.1943 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 20.805 | .39905 | .39417 | 6.2519 | 3.7996 | .82809 | 6.4261 |
| Stddev | .016   | .00424 | .02178 | .1197  | .0151  | .01480 | .0181  |
| %RSD   | .07754 | 1.0624 | 5.5267 | 1.9149 | .39816 | 1.7871 | .28148 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 20.816 | .40205 | .37876 | 6.3366 | 3.7889 | .83855 | 6.4388 |
| #2 | 20.793 | .39605 | .40957 | 6.1673 | 3.8103 | .81763 | 6.4133 |

Sample Name: J5198-11MSD      Acquired: 10/17/2018 11:08:52      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CL-02-101218 Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |          |
|--------|--------|---------|--------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .33125 | F 13.59 | .49090 | <.00000 | F<.00000 |
| Stddev | .00152 | .31     | .00093 | .24224  | .55978   |
| %RSD   | .45806 | 2.288   | .19039 | 2.1048  | 1.1852   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .33232 | 13.81 | .49156 | -11.680 | -46.836 |
| #2 | .33018 | 13.37 | .49024 | -11.337 | -47.628 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3727.4 | 49878. | 4771.2 | 85.164 | 3081.9 |
| Stddev    | 36.3   | 130.   | 1.0    | .659   | 57.2   |
| %RSD      | .97268 | .26104 | .02113 | .77325 | 1.8546 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3701.8 | 49970. | 4771.9 | 85.630 | 3041.5 |
| #2 | 3753.0 | 49785. | 4770.5 | 84.698 | 3122.3 |

Sample Name: J5198-11A      Acquired: 10/17/2018 11:12:41      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .79182 | 2.2436 | 2.0157 | 1.9915 | .88012 | 151.59 | .85967 |
| Stddev | .00436 | .0065  | .0013  | .0012  | .00481 | .40    | .00378 |
| %RSD   | .55100 | .28801 | .06595 | .06057 | .54680 | .26686 | .43987 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .79490 | 2.2482 | 2.0147 | 1.9906 | .88352 | 151.87 | .85700 |
| #2 | .78873 | 2.2391 | 2.0166 | 1.9923 | .87672 | 151.30 | .86235 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21942 | .23698 | 106.98 | .59765 | .40942 | .75821 | 320.96 |
| Stddev | .00060 | .00102 | .14    | .00073 | .00032 | .00016 | 4.97   |
| %RSD   | .27474 | .43024 | .12787 | .12295 | .07790 | .02114 | 1.5474 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21899 | .23626 | 106.88 | .59817 | .40920 | .75832 | 324.48 |
| #2 | .21984 | .23770 | 107.07 | .59713 | .40965 | .75809 | 317.45 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6536 | 58.136 | .84507 | .07648 | 10.369 | .83942 | 1.1957 |
| Stddev | .0023  | .111   | .00153 | .00076 | .030   | .00234 | .0216  |
| %RSD   | .04956 | .19161 | .18064 | .98980 | .28835 | .27896 | 1.8087 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.6519 | 58.057 | .84614 | .07702 | 10.348 | .83777 | 1.2110 |
| #2 | 4.6552 | 58.214 | .84399 | .07595 | 10.390 | .84108 | 1.1805 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 21.349 | .40677 | .39601 | 6.4005 | 3.8714 | .85375 | 6.6115 |
| Stddev | .105   | .00009 | .02050 | .0036  | .0164  | .00023 | .0012  |
| %RSD   | .48992 | .02149 | 5.1755 | .05586 | .42319 | .02719 | .01875 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 21.275 | .40683 | .41050 | 6.4031 | 3.8599 | .85392 | 6.6106 |
| #2 | 21.423 | .40671 | .38152 | 6.3980 | 3.8830 | .85359 | 6.6124 |

Sample Name: J5198-11A      Acquired: 10/17/2018 11:12:41      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |          |
|--------|--------|---------|--------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .34210 | F 13.96 | .50628 | <.00000 | F<.00000 |
| Stddev | .00044 | .04     | .00216 | .06919  | .33449   |
| %RSD   | .12914 | .2584   | .42711 | .63045  | .69310   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .34241 | 13.94 | .50475 | -10.926 | -48.023 |
| #2 | .34179 | 13.99 | .50781 | -11.024 | -48.496 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3667.3 | 48816. | 4681.0 | 85.248 | 3020.1 |
| Stddev    | 7.9    | 235.   | 3.4    | 1.743  | 5.0    |
| %RSD      | .21651 | .48111 | .07237 | 2.0451 | .16670 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3661.7 | 48650. | 4683.3 | 84.015 | 3016.5 |
| #2 | 3672.9 | 48982. | 4678.6 | 86.481 | 3023.6 |

Sample Name: J5198-15      Acquired: 10/17/2018 11:16:30      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-02-101218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03602 | -.02881 | .34525 | -.01429 | .00511 | 169.75 | .70626 |
| Stddev | .00416 | .00016  | .00010 | .00352  | .00375 | .52    | .00425 |
| %RSD   | 11.553 | .56983  | .02856 | 24.643  | 73.305 | .30863 | .60136 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03897 | -.02870 | .34518 | -.01678 | .00246 | 170.12 | .70326 |
| #2 | .03308 | -.02893 | .34532 | -.01180 | .00776 | 169.38 | .70927 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00642 | -.00498 | 58.176 | .22646 | .13622 | .43410 | 288.00 |
| Stddev | .00019 | .00119  | .141   | .00111 | .00160 | .01193 | 14.89  |
| %RSD   | 2.9262 | 23.839  | .24172 | .48895 | 1.1747 | 2.7482 | 5.1702 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00655 | -.00414 | 58.076 | .22725 | .13508 | .42566 | 277.47 |
| #2 | .00629 | -.00582 | 58.275 | .22568 | .13735 | .44253 | 298.53 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.3742 | 54.894 | .24656 | .00847 | 2.7240 | .43994 | .68007 |
| Stddev | .0067  | .045   | .00368 | .00205 | .0074  | .00011 | .03595 |
| %RSD   | .19948 | .08284 | 1.4915 | 24.176 | .27032 | .02486 | 5.2863 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.3789 | 54.862 | .24396 | .00702 | 2.7292 | .43987 | .65465 |
| #2 | 3.3694 | 54.926 | .24916 | .00991 | 2.7188 | .44002 | .70549 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.432 | .00470 | .00498 | 8.2660 | 3.0530 | .01296 | 4.5288 |
| Stddev | .051   | .00012 | .02677 | .0958  | .0346  | .00028 | .0284  |
| %RSD   | .35452 | 2.4614 | 537.34 | 1.1584 | 1.1342 | 2.1708 | .62593 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 14.396 | .00462 | -.01395 | 8.1982 | 3.0285 | .01276 | 4.5489 |
| #2 | 14.468 | .00478 | .02391  | 8.3337 | 3.0775 | .01316 | 4.5088 |



Sample Name: J5198-15      Acquired: 10/17/2018 11:16:30      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CL-02-101218      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .13913 | 6.899  | .19262 | <.00000 | F<.00000 |
| Stddev | .00122 | .092   | .00041 | .14357  | .24230   |
| %RSD   | .87548 | 1.335  | .21213 | 1.2754  | .62465   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .13827 | 6.833 | .19291 | -11.156 | -38.619 |
| #2 | .13999 | 6.964 | .19233 | -11.359 | -38.961 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3797.3 | 50572. | 4877.7 | 86.077 | 3191.6 |
| Stddev    | 26.7   | 272.   | 7.3    | 4.268  | 11.5   |
| %RSD      | .70276 | .53716 | .15020 | 4.9579 | .35941 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3816.2 | 50380. | 4882.9 | 89.094 | 3199.7 |
| #2 | 3778.4 | 50764. | 4872.5 | 83.059 | 3183.5 |

Sample Name: CCV02      Acquired: 10/17/2018 11:35:50      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14008      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.5617 | 4.6997 | 4.9080 | 4.9487 | 5.1695 | 10.265 | 9.6360 | .25211   |
| Stddev | .0049  | .0007  | .0054  | .0085  | .0021  | .101   | .0004  | .00043   |
| %RSD   | .10793 | .01490 | .10959 | .17162 | .04064 | .98433 | .00365 | .16934   |
| #1     | 4.5651 | 4.6992 | 4.9042 | 4.9547 | 5.1709 | 10.336 | 9.6363 | .25241   |
| #2     | 4.5582 | 4.7002 | 4.9118 | 4.9427 | 5.1680 | 10.193 | 9.6358 | .25181   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4528 | 25.791 | .91517 | 2.5045 | 1.1434 | 4.6126 | 2.4969 | 23.162   |
| Stddev | .0015  | .052   | .00132 | .0033  | .0014  | .1257  | .0055  | .143     |
| %RSD   | .06272 | .20103 | .14425 | .13102 | .11844 | 2.7258 | .22034 | .61689   |
| #1     | 2.4539 | 25.754 | .91610 | 2.5069 | 1.1425 | 4.7015 | 2.5008 | 23.263   |
| #2     | 2.4517 | 25.827 | .91424 | 2.5022 | 1.1444 | 4.5237 | 2.4930 | 23.060   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3933 | 1.2308 | 22.990 | 2.2631 | 2.3652 | 22.774 | 4.6895 | 4.7741   |
| Stddev | .0059  | .0003  | .012   | .0015  | .0598  | .007   | .0039  | .0267    |
| %RSD   | .24450 | .02254 | .05308 | .06718 | 2.5295 | .02994 | .08389 | .55983   |
| #1     | 2.3975 | 1.2310 | 22.999 | 2.2620 | 2.4075 | 22.779 | 4.6867 | 4.7930   |
| #2     | 2.3892 | 1.2306 | 22.981 | 2.2642 | 2.3229 | 22.769 | 4.6922 | 4.7552   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7225 | 5.0531 | 4.5418 | 4.8132 | 4.9133 | 4.825  | 4.7937 | F 4.4988 |
| Stddev | .0157  | .0290  | .0066  | .0063  | .0087  | .021   | .0018  | .1428    |
| %RSD   | .33314 | .57378 | .14613 | .13132 | .17698 | .4271  | .03777 | 3.1743   |
| #1     | 4.7336 | 5.0326 | 4.5465 | 4.8087 | 4.9072 | 4.840  | 4.7924 | 4.3978   |
| #2     | 4.7114 | 5.0736 | 4.5371 | 4.8177 | 4.9195 | 4.811  | 4.7949 | 4.5998   |

Sample Name: CCV02      Acquired: 10/17/2018 11:35:50      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14008      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.5470 |
| Stddev | .7780    |
| %RSD   | 30.545   |

|    |        |
|----|--------|
| #1 | 1.9969 |
| #2 | 3.0971 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3164.0 | 42120. | 3933.5 | 85.023 | 3171.0 |
| Stddev    | 2.6    | 225.   | 8.6    | 2.272  | 11.8   |
| %RSD      | .08293 | .53502 | .21900 | 2.6727 | .37301 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3162.2 | 41961. | 3939.6 | 83.416 | 3162.7 |
| #2 | 3165.9 | 42280. | 3927.4 | 86.630 | 3179.4 |

Sample Name: CCB02      Acquired: 10/17/2018 11:40:24      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14008      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |         |         |         |        |
|--------|---------|--------|---------|---------|---------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00037 | .00142 | -.00147 | -.00171 | -.00060 | -.00531 | .00123 |
| Stddev | .00289  | .00033 | .00106  | .00353  | .00191  | .01799  | .00071 |
| %RSD   | 787.03  | 23.632 | 71.777  | 206.51  | 320.01  | 338.90  | 57.635 |

|    |         |        |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|--------|
| #1 | -.00241 | .00165 | -.00073 | .00079  | .00075  | .00741  | .00073 |
| #2 | .00168  | .00118 | -.00222 | -.00421 | -.00194 | -.01803 | .00174 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00003 | .00001 | .01532 | .00011 | .00019 | .00018 | .00841 |
| Stddev | .00001 | .00017 | .02931 | .00021 | .00016 | .00045 | .00607 |
| %RSD   | 38.191 | 2268.0 | 191.31 | 193.00 | 88.290 | 254.14 | 72.175 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .00004 | -.00011 | -.00541 | -.00004 | .00030 | .00050  | .00412 |
| #2 | .00002 | .00013  | .03605  | .00026  | .00007 | -.00014 | .01270 |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00026 | -.03818 | .00030 | .00010 | -.22386 | -.00005 | -.00069 |
| Stddev | .00005  | .02369  | .00010 | .00074 | .00513  | .00006  | .00007  |
| %RSD   | 19.647  | 62.048  | 31.643 | 713.26 | 2.2919  | 117.11  | 9.8566  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00023 | -.02143 | .00024 | -.00042 | -.22748 | -.00001 | -.00074 |
| #2 | -.00030 | -.05493 | .00037 | .00062  | -.22023 | -.00010 | -.00065 |

|        |        |        |         |           |        |         |        |
|--------|--------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .07911 | .00043 | -.00512 | F -.02051 | .01010 | -.00161 | .00641 |
| Stddev | .04221 | .00006 | .01894  | .00047    | .00020 | .00089  | .00319 |
| %RSD   | 53.358 | 14.715 | 369.80  | 2.2746    | 2.0028 | 55.165  | 49.707 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .10896 | .00047 | -.01851 | -.02084 | .01025 | -.00098 | .00867 |
| #2 | .04926 | .00038 | .00827  | -.02018 | .00996 | -.00224 | .00416 |

Sample Name: CCB02      Acquired: 10/17/2018 11:40:24      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14008      Custom ID2:      Custom ID3:  
 Comment:

|        |           |        |        |          |          |
|--------|-----------|--------|--------|----------|----------|
| Elem   | Li6707    | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm       | ppm    | ppm    | ppm      | ppm      |
| Avg    | F -.01158 | -.0032 | .00017 | F 3.0320 | F .39193 |
| Stddev | .00080    | .0006  | .00010 | .1381    | .30041   |
| %RSD   | 6.9058    | 18.05  | 56.608 | 4.5543   | 76.649   |

|    |         |        |        |        |        |
|----|---------|--------|--------|--------|--------|
| #1 | -.01101 | -.0028 | .00024 | 2.9344 | .60436 |
| #2 | -.01214 | -.0036 | .00010 | 3.1297 | .17951 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3263.9 | 43746. | 3991.1 | 89.375 | 3503.8 |
| Stddev    | 12.2   | 27.    | 2.4    | 2.439  | 6.6    |
| %RSD      | .37426 | .06122 | .05943 | 2.7295 | .18805 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3272.5 | 43765. | 3989.4 | 91.100 | 3508.4 |
| #2 | 3255.2 | 43727. | 3992.7 | 87.650 | 3499.1 |

Sample Name: LR CHECK2      Acquired: 10/17/2018 11:53:24      Type: Unk  
Method: P4-ICP2(v2504)      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    | -.00126 | -.01292 | 247.30 | .01586 | -.03735 | -.30390 | 96.500 | -.00061 |
| Stddev | .00319  | .00034  | .40    | .00106 | .00076  | .00384  | .305   | .00006  |
| %RSD   | 252.96  | 2.6013  | .15991 | 6.7065 | 2.0297  | 1.2625  | .31607 | 9.4122  |

|    |         |         |        |        |         |         |        |         |
|----|---------|---------|--------|--------|---------|---------|--------|---------|
| #1 | -.00352 | -.01268 | 247.02 | .01661 | -.03789 | -.30661 | 96.716 | -.00057 |
| #2 | .00099  | -.01315 | 247.58 | .01510 | -.03681 | -.30118 | 96.284 | -.00065 |

|        |         |        |         |         |        |         |        |         |
|--------|---------|--------|---------|---------|--------|---------|--------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00832 | .27434 | -.12619 | -.00779 | 265.41 | -.82965 | 45.999 | -.17226 |
| Stddev | .00019  | .02619 | .00011  | .00005  | 1.33   | .00461  | .369   | .01641  |
| %RSD   | 2.2262  | 9.5483 | .08654  | .63212  | .49964 | .55592  | .80140 | 9.5287  |

|    |         |        |         |         |        |         |        |         |
|----|---------|--------|---------|---------|--------|---------|--------|---------|
| #1 | -.00819 | .29286 | -.12611 | -.00782 | 266.35 | -.82639 | 46.259 | -.16065 |
| #2 | -.00845 | .25582 | -.12627 | -.00775 | 264.47 | -.83291 | 45.738 | -.18386 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | 51.136 | .00891 | .03289 | -.00335 | 37.513 | .25496 | -.00209 | .00485 |
| Stddev | .090   | .00019 | .00099 | .00042  | .310   | .01166 | .00011  | .00374 |
| %RSD   | .17531 | 2.1171 | 3.0061 | 12.413  | .82648 | 4.5721 | 5.2376  | 77.075 |

|    |        |        |        |         |        |        |         |        |
|----|--------|--------|--------|---------|--------|--------|---------|--------|
| #1 | 51.073 | .00904 | .03219 | -.00306 | 37.293 | .26320 | -.00216 | .00750 |
| #2 | 51.199 | .00877 | .03359 | -.00365 | 37.732 | .24672 | -.00201 | .00221 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05155 | .00337 | -.00161 | .03275 | -.01921 | -.1115 | .00373 | 2.6833 |
| Stddev | .00530 | .00097 | .00028  | .00075 | .00090  | .0011  | .00000 | .1371  |
| %RSD   | 10.280 | 28.859 | 17.621  | 2.2946 | 4.7051  | 1.010  | .08165 | 5.1083 |

|    |        |        |         |        |         |        |        |        |
|----|--------|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04780 | .00406 | -.00141 | .03222 | -.01857 | -.1123 | .00373 | 2.7803 |
| #2 | .05529 | .00269 | -.00181 | .03329 | -.01985 | -.1107 | .00373 | 2.5864 |

Sample Name: LR CHECK2      Acquired: 10/17/2018 11:53:24      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.0127 |
| Stddev | .0101  |
| %RSD   | .99767 |

|    |        |
|----|--------|
| #1 | 1.0199 |
| #2 | 1.0056 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3166.8 | 45059. | 4176.1 | 87.546 | 3353.5 |
| Stddev    | 20.2   | 96.    | .4     | .972   | 2.5    |
| %RSD      | .63882 | .21398 | .00885 | 1.1106 | .07540 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3152.5 | 44990. | 4175.8 | 88.233 | 3351.7 |
| #2 | 3181.1 | 45127. | 4176.4 | 86.858 | 3355.3 |

Sample Name: J5198-17      Acquired: 10/17/2018 11:57:46      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-02-101218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .31783 | -.01946 | .78739 | .02999 | .00955 | 48.982 | 1.3403 |
| Stddev | .00823 | .00035  | .00825 | .00050 | .00065 | .076   | .0025  |
| %RSD   | 2.5894 | 1.8001  | 1.0480 | 1.6707 | 6.7877 | .15534 | .18587 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .32365 | -.01922 | .79322 | .03034 | .01001 | 49.036 | 1.3421 |
| #2 | .31201 | -.01971 | .78155 | .02963 | .00909 | 48.929 | 1.3386 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01925 | .00216 | 41.477 | .39566 | .13864 | .61355 | 183.10 |
| Stddev | .00008 | .00069 | .220   | .00044 | .00050 | .00755 | 3.10   |
| %RSD   | .41332 | 31.911 | .53112 | .10996 | .36152 | 1.2312 | 1.6914 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01930 | .00264 | 41.633 | .39535 | .13900 | .61890 | 180.91 |
| #2 | .01919 | .00167 | 41.321 | .39597 | .13829 | .60821 | 185.29 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .90951 | 11.230 | .37068 | .00562 | 1.7454 | .75448 | 1.0617 |
| Stddev | .00122 | .013   | .00491 | .00018 | .0054  | .00068 | .0197  |
| %RSD   | .13458 | .11640 | 1.3256 | 3.1489 | .30720 | .08971 | 1.8549 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .91037 | 11.221 | .37415 | .00574 | 1.7492 | .75400 | 1.0477 |
| #2 | .90864 | 11.239 | .36720 | .00549 | 1.7416 | .75496 | 1.0756 |

|        |        |        |        |          |          |        |        |
|--------|--------|--------|--------|----------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm    |
| Avg    | 6.3623 | .03066 | .16265 | F 62.014 | F 11.454 | .02502 | 3.3213 |
| Stddev | .0381  | .00001 | .01153 | .280     | .044     | .00003 | .0078  |
| %RSD   | .59919 | .04510 | 7.0867 | .45218   | .38028   | .13030 | .23429 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.3893 | .03065 | .15450 | 62.213 | 11.485 | .02504 | 3.3268 |
| #2 | 6.3354 | .03067 | .17080 | 61.816 | 11.423 | .02500 | 3.3158 |



Sample Name: J5198-17      Acquired: 10/17/2018 11:57:46      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CL-02-101218      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .04065 | 3.267  | .82735 | <.00000 | F<.00000 |
| Stddev | .00207 | .014   | .00024 | .60371  | .00424   |
| %RSD   | 5.0893 | .4350  | .02947 | 7.3082  | .02640   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .03919 | 3.277 | .82752 | -7.8338 | -16.070 |
| #2 | .04212 | 3.257 | .82718 | -8.6875 | -16.076 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3682.9 | 50456. | 4894.3 | 93.519 | 3342.5 |
| Stddev    | 7.3    | 135.   | 5.7    | 1.775  | 16.4   |
| %RSD      | .19858 | .26670 | .11671 | 1.8976 | .49174 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3677.8 | 50551. | 4898.3 | 94.774 | 3330.9 |
| #2 | 3688.1 | 50361. | 4890.3 | 92.264 | 3354.1 |

Sample Name: J5198-19      Acquired: 10/17/2018 12:01:36      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-02-101218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .34663 | -.02067 | .73934 | .03013 | .01002 | 60.602 | 1.2559 |
| Stddev | .00265 | .00136  | .00018 | .00202 | .00088 | .306   | .0027  |
| %RSD   | .76389 | 6.5594  | .02440 | 6.6998 | 8.7445 | .50521 | .21324 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .34476 | -.01971 | .73921 | .03156 | .00940 | 60.386 | 1.2578 |
| #2 | .34851 | -.02163 | .73947 | .02870 | .01064 | 60.819 | 1.2540 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01812 | .00644 | 54.736 | .43546 | .15347 | .61901 | 227.00 |
| Stddev | .00001 | .00054 | .014   | .00136 | .00032 | .00037 | 2.26   |
| %RSD   | .05204 | 8.3847 | .02530 | .31310 | .21030 | .05965 | .99705 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01811 | .00605 | 54.746 | .43642 | .15370 | .61927 | 228.60 |
| #2 | .01812 | .00682 | 54.727 | .43450 | .15324 | .61875 | 225.40 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1765 | 13.565 | .40858 | .00703 | 2.4621 | .92357 | 1.1109 |
| Stddev | .0022  | .042   | .00014 | .00100 | .0106  | .00031 | .0096  |
| %RSD   | .18582 | .30845 | .03491 | 14.156 | .42838 | .03372 | .86824 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.1780 | 13.535 | .40868 | .00773 | 2.4695 | .92335 | 1.1177 |
| #2 | 1.1749 | 13.594 | .40848 | .00633 | 2.4546 | .92379 | 1.1040 |

|        |        |        |        |          |          |        |        |
|--------|--------|--------|--------|----------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm    |
| Avg    | 7.6198 | .03433 | .20186 | F 96.961 | F 12.478 | .01313 | 3.8489 |
| Stddev | .0322  | .00016 | .00009 | .115     | .041     | .00104 | .0041  |
| %RSD   | .42302 | .45195 | .04638 | .11857   | .32474   | 7.9398 | .10653 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.5970 | .03422 | .20192 | 96.880 | 12.506 | .01387 | 3.8518 |
| #2 | 7.6426 | .03444 | .20179 | 97.043 | 12.449 | .01240 | 3.8460 |

Sample Name: J5198-19      Acquired: 10/17/2018 12:01:36      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CL-02-101218      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .05790 | 3.381  | .88072 | <.00000 | F<.00000 |
| Stddev | .00132 | .010   | .00330 | .69424  | .56053   |
| %RSD   | 2.2727 | .2918  | .37468 | 6.9243  | 2.0660   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .05883 | 3.374 | .88305 | -9.5353 | -27.528 |
| #2 | .05697 | 3.388 | .87839 | -10.517 | -26.735 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3607.5 | 49737. | 4777.7 | 91.153 | 3285.2 |
| Stddev    | 6.3    | 130.   | 8.5    | .700   | 1.4    |
| %RSD      | .17404 | .26132 | .17737 | .76795 | .04356 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3603.1 | 49829. | 4771.7 | 90.658 | 3284.2 |
| #2 | 3612.0 | 49645. | 4783.7 | 91.648 | 3286.2 |

Sample Name: J5270-01      Acquired: 10/17/2018 12:05:28      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: STOCK-PILE-A      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .27461 | -.01976 | .69372 | .03221 | .00682 | 57.138 | 1.3338 |
| Stddev | .00068 | .00210  | .00139 | .00052 | .00084 | .049   | .0055  |
| %RSD   | .24684 | 10.647  | .19984 | 1.6062 | 12.376 | .08556 | .41430 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .27413 | -.01827 | .69470 | .03258 | .00622 | 57.173 | 1.3378 |
| #2 | .27509 | -.02125 | .69274 | .03185 | .00742 | 57.104 | 1.3299 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02040 | .00187 | 39.679 | .32107 | .13898 | .53832 | 167.78 |
| Stddev | .00011 | .00018 | .067   | .00169 | .00048 | .00441 | 1.54   |
| %RSD   | .56186 | 9.6527 | .16885 | .52727 | .34547 | .81917 | .91899 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02032 | .00174 | 39.726 | .31987 | .13864 | .53520 | 168.87 |
| #2 | .02048 | .00200 | 39.631 | .32227 | .13932 | .54144 | 166.69 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .82810 | 10.935 | .33190 | .00554 | 2.2896 | .64457 | .87300 |
| Stddev | .00137 | .020   | .00072 | .00009 | .0017  | .00425 | .00780 |
| %RSD   | .16564 | .18301 | .21658 | 1.5446 | .07397 | .65988 | .89395 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82713 | 10.920 | .33139 | .00548 | 2.2884 | .64156 | .87852 |
| #2 | .82907 | 10.949 | .33241 | .00560 | 2.2908 | .64758 | .86748 |

|        |        |        |        |          |          |        |        |
|--------|--------|--------|--------|----------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm    |
| Avg    | 7.1808 | .03022 | .14548 | F 53.960 | F 12.946 | .03039 | 3.7028 |
| Stddev | .0197  | .00025 | .00934 | .108     | .014     | .00127 | .0171  |
| %RSD   | .27441 | .81656 | 6.4197 | .20066   | .10660   | 4.1824 | .46327 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.1947 | .03005 | .15209 | 53.883 | 12.956 | .03129 | 3.7149 |
| #2 | 7.1669 | .03039 | .13888 | 54.036 | 12.936 | .02949 | 3.6907 |

Sample Name: J5270-01      Acquired: 10/17/2018 12:05:28      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: STOCK-PILE-A      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .05260 | 3.071  | .91250 | <.00000 | F<.00000 |
| Stddev | .00119 | .012   | .00309 | .26563  | .44477   |
| %RSD   | 2.2580 | .4028  | .33810 | 3.8770  | 3.6021   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .05344 | 3.062 | .91469 | -6.6637 | -12.662 |
| #2 | .05176 | 3.080 | .91032 | -7.0394 | -12.033 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3628.5 | 49744. | 4737.9 | 91.687 | 3302.3 |
| Stddev    | 22.4   | 22.    | 1.5    | .620   | 9.1    |
| %RSD      | .61860 | .04397 | .03062 | .67601 | .27667 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3644.3 | 49760. | 4736.9 | 91.249 | 3308.7 |
| #2 | 3612.6 | 49729. | 4739.0 | 92.125 | 3295.8 |

Sample Name: J5270-03      Acquired: 10/17/2018 12:09:19      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: STOCK-PILE-B      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03833 | -.02630 | .42364 | -.02910 | .01091 | 169.92 | .80578 |
| Stddev | .00408 | .00081  | .00118 | .00150  | .00051 | 1.54   | .00593 |
| %RSD   | 10.655 | 3.0838  | .27751 | 5.1520  | 4.6650 | .90365 | .73632 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04121 | -.02687 | .42447 | -.03016 | .01055 | 168.83 | .80998 |
| #2 | .03544 | -.02572 | .42281 | -.02804 | .01127 | 171.01 | .80158 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00734 | -.00242 | 38.481 | .20181 | .13437 | .17696 | 306.68 |
| Stddev | .00035 | .00042  | .230   | .00106 | .00049 | .00435 | 2.25   |
| %RSD   | 4.7439 | 17.216  | .59728 | .52490 | .36276 | 2.4572 | .73454 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00709 | -.00271 | 38.644 | .20106 | .13403 | .17389 | 308.27 |
| #2 | .00758 | -.00213 | 38.319 | .20256 | .13472 | .18004 | 305.09 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.3477 | 37.299 | .20997 | .01042 | 2.6667 | .42746 | .77115 |
| Stddev | .0027  | .142   | .00109 | .00004 | .0119  | .00049 | .00992 |
| %RSD   | .04972 | .38115 | .51914 | .35573 | .44787 | .11385 | 1.2859 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.3458 | 37.399 | .21074 | .01045 | 2.6751 | .42780 | .77816 |
| #2 | 5.3495 | 37.198 | .20920 | .01040 | 2.6582 | .42711 | .76414 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.5888 | .00302 | -.01654 | 2.8629 | 3.0863 | .02110 | 3.3866 |
| Stddev | .0286  | .00022 | .01005  | .0077  | .0102  | .00028 | .0033  |
| %RSD   | .37640 | 7.1452 | 60.770  | .26977 | .33067 | 1.3113 | .09666 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 7.6090 | .00317 | -.00943 | 2.8683 | 3.0935 | .02091 | 3.3889 |
| #2 | 7.5686 | .00286 | -.02365 | 2.8574 | 3.0791 | .02130 | 3.3843 |

Sample Name: J5270-03      Acquired: 10/17/2018 12:09:19      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: STOCK-PILE-B      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .12535 | 7.763  | .17436 | <.00000 | F<.00000 |
| Stddev | .00026 | .009   | .00005 | .08159  | .69557   |
| %RSD   | .20946 | .1180  | .02808 | .56432  | 1.3186   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .12553 | 7.757 | .17440 | -14.401 | -53.243 |
| #2 | .12516 | 7.770 | .17433 | -14.517 | -52.259 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3818.2 | 51355. | 4979.0 | 87.310 | 3130.3 |
| Stddev    | 2.5    | 53.    | 65.7   | 1.326  | 11.4   |
| %RSD      | .06532 | .10361 | 1.3205 | 1.5190 | .36462 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3816.4 | 51392. | 4932.5 | 86.372 | 3122.2 |
| #2 | 3820.0 | 51317. | 5025.5 | 88.248 | 3138.4 |

Sample Name: J5270-05      Acquired: 10/17/2018 12:13:17      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: STOCK-PILE-C      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01943 | -.04024 | .23247 | -.03346 | .00577 | 141.17 | .53974 |
| Stddev | .00015 | .00162  | .00219 | .00278  | .00003 | .24    | .00308 |
| %RSD   | .78854 | 4.0347  | .94281 | 8.3231  | .54415 | .16963 | .57135 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01932 | -.03909 | .23092 | -.03149 | .00579 | 141.34 | .54192 |
| #2 | .01953 | -.04139 | .23402 | -.03543 | .00574 | 141.00 | .53756 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00410 | -.00061 | 76.199 | .18947 | .15573 | .38161 | 287.09 |
| Stddev | .00008 | .00082  | .430   | .00032 | .00050 | .00511 | 7.27   |
| %RSD   | 1.8514 | 134.38  | .56388 | .16837 | .32386 | 1.3390 | 2.5313 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00405 | -.00120 | 76.502 | .18924 | .15608 | .37800 | 292.22 |
| #2 | .00416 | -.00003 | 75.895 | .18970 | .15537 | .38522 | 281.95 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.1974 | 63.062 | .30254 | .01059 | 8.8003 | .47944 | 1.1054 |
| Stddev | .0032  | .219   | .00026 | .00131 | .0267  | .00102 | .0288  |
| %RSD   | .10144 | .34686 | .08681 | 12.318 | .30315 | .21361 | 2.6044 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.1951 | 63.217 | .30273 | .01152 | 8.8192 | .47872 | 1.1258 |
| #2 | 3.1997 | 62.907 | .30236 | .00967 | 8.7815 | .48017 | 1.0851 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 8.8751 | .00458 | .06263 | F 11.948 | 2.2738 | .04088 | 6.2454 |
| Stddev | .0278  | .00043 | .00003 | .040     | .0025  | .00116 | .0027  |
| %RSD   | .31372 | 9.3441 | .05020 | .33822   | .11076 | 2.8372 | .04393 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.8948 | .00428 | .06261 | 11.976 | 2.2756 | .04006 | 6.2474 |
| #2 | 8.8554 | .00488 | .06265 | 11.919 | 2.2720 | .04170 | 6.2435 |



Sample Name: J5270-05      Acquired: 10/17/2018 12:13:17      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: STOCK-PILE-C      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .10891 | 8.138  | .21467 | <.00000 | F<.00000 |
| Stddev | .00158 | .014   | .00124 | .30678  | .06678   |
| %RSD   | 1.4533 | .1720  | .57628 | 2.5617  | .15080   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .11003 | 8.148 | .21554 | -12.192 | -44.238 |
| #2 | .10779 | 8.128 | .21379 | -11.758 | -44.332 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3631.1 | 49072. | 4786.8 | 85.086 | 3064.5 |
| Stddev    | 1.4    | 3.     | 15.9   | 2.220  | 4.3    |
| %RSD      | .03954 | .00690 | .33241 | 2.6087 | .14170 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3632.2 | 49075. | 4775.6 | 83.516 | 3061.5 |
| #2 | 3630.1 | 49070. | 4798.1 | 86.655 | 3067.6 |

Sample Name: J5461-01      Acquired: 10/17/2018 12:17:13      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BS-CON      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03999 | -.03143 | .10983 | -.02922 | .00391 | 117.07 | .46616 | .00426 |
| Stddev | .00677 | .00128  | .00103 | .00107  | .00310 | .61    | .00144 | .00012 |
| %RSD   | 16.942 | 4.0733  | .93990 | 3.6698  | 79.374 | .52335 | .30981 | 2.8981 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .04478 | -.03233 | .11056 | -.02846 | .00610 | 116.64 | .46514 | .00417 |
| #2 | .03520 | -.03052 | .10910 | -.02998 | .00171 | 117.51 | .46719 | .00435 |

|        |        |          |        |        |        |        |        |        |
|--------|--------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00068 | F 2112.1 | .66325 | .03780 | .19973 | 108.03 | 5.1017 | 428.02 |
| Stddev | .00037 | 6.7      | .00188 | .00003 | .00073 | 2.29   | .0000  | .68    |
| %RSD   | 54.281 | .31645   | .28354 | .07830 | .36332 | 2.1218 | .00024 | .15777 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00042 | 2116.8 | .66192 | .03783 | .19922 | 109.65 | 5.1017 | 427.55 |
| #2 | .00094 | 2107.4 | .66458 | .03778 | .20025 | 106.41 | 5.1017 | 428.50 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18547 | .01013 | 1.2096 | .18895 | 1.4143 | 5.3504 | .02817 | .17807 |
| Stddev | .00052 | .00010 | .0108  | .00083 | .0323  | .0568  | .00028 | .01972 |
| %RSD   | .28185 | 1.0030 | .89013 | .43867 | 2.2827 | 1.0607 | .98615 | 11.072 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18510 | .01005 | 1.2020 | .18954 | 1.4371 | 5.3103 | .02837 | .19201 |
| #2 | .18584 | .01020 | 1.2172 | .18837 | 1.3914 | 5.3906 | .02797 | .16413 |

|        |          |        |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 51.489 | 1.5060 | .00786 | 3.9852 | .12909 | 4.394  | 2.5650 | 51.336 |
| Stddev | .027     | .0037  | .00098 | .0045  | .00130 | .022   | .0038  | .343   |
| %RSD   | .05209   | .24314 | 12.436 | .11225 | 1.0067 | .4977  | .14979 | .66850 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 51.470 | 1.5034 | .00717 | 3.9820 | .13000 | 4.410 | 2.5623 | 51.578 |
| #2 | 51.507 | 1.5086 | .00855 | 3.9884 | .12817 | 4.379 | 2.5677 | 51.093 |

Sample Name: J5461-01      Acquired: 10/17/2018 12:17:13      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BS-CON      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 23.697 |
| Stddev | .114   |
| %RSD   | .48230 |

|    |        |
|----|--------|
| #1 | 23.778 |
| #2 | 23.617 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2805.2 | 37501. | 3936.4 | 74.396 | 2436.4 |
| Stddev    | 5.2    | .      | 4.4    | 1.718  | 1.5    |
| %RSD      | .18650 | .00053 | .11197 | 2.3098 | .06347 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2801.5 | 37501. | 3933.3 | 73.181 | 2435.3 |
| #2 | 2808.9 | 37501. | 3939.5 | 75.611 | 2437.5 |

Sample Name: J5509-01      Acquired: 10/17/2018 12:21:10      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MS-CON      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .14265 | -.05914 | .55208 | -.04878 | .01080 | 199.84 | 1.0754 |
| Stddev | .00863 | .00135  | .00352 | .00783  | .00130 | .72    | .0014  |
| %RSD   | 6.0503 | 2.2845  | .63701 | 16.060  | 12.045 | .36048 | .12833 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .14875 | -.05818 | .55456 | -.04324 | .00988 | 200.35 | 1.0745 |
| #2 | .13655 | -.06010 | .54959 | -.05432 | .01172 | 199.33 | 1.0764 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01122 | .00529 | F 2569.8 | .25791 | .09876 | .24724 | 287.15 |
| Stddev | .00031 | .00006 | 2.6      | .00205 | .00034 | .00072 | 2.38   |
| %RSD   | 2.7719 | 1.2236 | .09988   | .79641 | .34292 | .29168 | .82732 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01100 | .00525 | 2571.6 | .25646 | .09852 | .24775 | 288.83 |
| #2 | .01144 | .00534 | 2568.0 | .25937 | .09900 | .24673 | 285.47 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6011 | 565.55 | .19308 | .01044 | 6.5447 | .47503 | 1.1031 |
| Stddev | .0096  | 1.33   | .00187 | .00073 | .0445  | .00097 | .0112  |
| %RSD   | .20790 | .23573 | .96966 | 7.0283 | .68058 | .20338 | 1.0155 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.6078 | 564.61 | .19440 | .01096 | 6.5132 | .47571 | 1.1110 |
| #2 | 4.5943 | 566.49 | .19175 | .00992 | 6.5761 | .47435 | 1.0952 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 18.299 | .01015 | .15014 | F 59.216 | 1.7505 | .10319 | 7.0613 |
| Stddev | .036   | .00047 | .01964 | .592     | .0211  | .00018 | .0079  |
| %RSD   | .19542 | 4.6305 | 13.084 | .99933   | 1.2085 | .17853 | .11176 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.274 | .01049 | .13625 | 59.634 | 1.7355 | .10333 | 7.0557 |
| #2 | 18.324 | .00982 | .16403 | 58.797 | 1.7655 | .10306 | 7.0669 |

Sample Name: J5509-01      Acquired: 10/17/2018 12:21:10      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MS-CON      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .40456 | 7.613  | 3.0967 | 50.001 | F<.00000 |
| Stddev | .00112 | .017   | .0117  | .121   | .03059   |
| %RSD   | .27622 | .2208  | .37756 | .24139 | .39736   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .40535 | 7.625 | 3.0884 | 49.915 | -7.7188 |
| #2 | .40377 | 7.601 | 3.1049 | 50.086 | -7.6756 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3009.1 | 40605. | 4384.2 | 70.223 | 2224.0 |
| Stddev    | 37.7   | 157.   | 12.3   | .724   | 21.8   |
| %RSD      | 1.2518 | .38614 | .28158 | 1.0313 | .98162 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2982.5 | 40494. | 4393.0 | 69.711 | 2208.6 |
| #2 | 3035.7 | 40716. | 4375.5 | 70.735 | 2239.5 |

Sample Name: J5509-02      Acquired: 10/17/2018 12:25:10      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MS-SOIL      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00495 | -.01095 | .07363 | -.04235 | .00870 | 39.722 | .08930 |
| Stddev | .00110 | .00141  | .00076 | .00333  | .00030 | .426   | .00087 |
| %RSD   | 22.263 | 12.879  | 1.0276 | 7.8623  | 3.4650 | 1.0734 | .97363 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00573 | -.01195 | .07417 | -.04470 | .00849 | 40.023 | .08868 |
| #2 | .00417 | -.00996 | .07310 | -.03999 | .00892 | 39.420 | .08991 |

|        |        |         |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00128 | -.00483 | 1.1027 | .19023 | .00534 | -.04559 | 270.34 |
| Stddev | .00017 | .00055  | .0070  | .00231 | .00012 | .00259  | 5.43   |
| %RSD   | 13.001 | 11.370  | .63691 | 1.2154 | 2.2705 | 5.6885  | 2.0103 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | .00116 | -.00444 | 1.0977 | .19187 | .00543 | -.04375 | 266.49 |
| #2 | .00140 | -.00522 | 1.1077 | .18860 | .00526 | -.04742 | 274.18 |

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .14044 | .86281 | .00029 | .00907 | -.19716 | .15201 | .11880 |
| Stddev | .00188 | .05018 | .00009 | .00150 | .00781  | .00235 | .00340 |
| %RSD   | 1.3401 | 5.8160 | 29.463 | 16.552 | 3.9595  | 1.5476 | 2.8650 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .14177 | .82733 | .00035 | .00801 | -.19164 | .15368 | .11639 |
| #2 | .13911 | .89830 | .00023 | .01014 | -.20268 | .15035 | .12121 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0030 | .00747 | -.11389 | 2.0414 | 2.2562 | .01021 | 2.0233 |
| Stddev | .0063  | .00005 | .01304  | .0003  | .0127  | .00041 | .0081  |
| %RSD   | .62825 | .70261 | 11.446  | .01324 | .56068 | 4.0083 | .40170 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 1.0075 | .00743 | -.12311 | 2.0412 | 2.2473 | .00992 | 2.0176 |
| #2 | .99858 | .00751 | -.10468 | 2.0416 | 2.2652 | .01050 | 2.0291 |

Sample Name: J5509-02      Acquired: 10/17/2018 12:25:10      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MS-SOIL      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |         |          |
|--------|---------|--------|--------|---------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm      |
| Avg    | -.01200 | 1.427  | .03260 | <.00000 | F<.00000 |
| Stddev | .00084  | .009   | .00005 | .23060  | .34376   |
| %RSD   | 6.9618  | .6204  | .14056 | 1.7649  | .82731   |

|    |         |       |        |         |         |
|----|---------|-------|--------|---------|---------|
| #1 | -.01260 | 1.421 | .03263 | -12.902 | -41.308 |
| #2 | -.01141 | 1.433 | .03256 | -13.229 | -41.795 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3404.6 | 45819. | 4308.2 | 87.728 | 3328.4 |
| Stddev    | 7.5    | 660.   | 23.4   | 1.905  | 7.3    |
| %RSD      | .22067 | 1.4397 | .54219 | 2.1712 | .21796 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3399.3 | 45352. | 4324.7 | 89.075 | 3323.2 |
| #2 | 3409.9 | 46285. | 4291.7 | 86.382 | 3333.5 |

Sample Name: J5515-10      Acquired: 10/17/2018 12:29:04      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AOC3-01A      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03268 | -.02599 | .16183 | -.01439 | .00814 | 155.67 | 1.0256 |
| Stddev | .00177 | .00093  | .00277 | .00053  | .00083 | .24    | .0019  |
| %RSD   | 5.4078 | 3.5707  | 1.7118 | 3.7121  | 10.243 | .15619 | .18166 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03143 | -.02534 | .15987 | -.01401 | .00755 | 155.84 | 1.0243 |
| #2 | .03393 | -.02665 | .16379 | -.01476 | .00873 | 155.50 | 1.0270 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01019 | -.00451 | 17.294 | .20796 | .24931 | .13403 | 406.47 |
| Stddev | .00019 | .00039  | .097   | .00068 | .00094 | .00369 | 5.49   |
| %RSD   | 1.8224 | 8.7048  | .56248 | .32640 | .37889 | 2.7511 | 1.3507 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01032 | -.00479 | 17.225 | .20844 | .24998 | .13143 | 410.36 |
| #2 | .01005 | -.00423 | 17.363 | .20748 | .24864 | .13664 | 402.59 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.0331 | 49.670 | .43321 | .02261 | 4.2963 | .28564 | .85959 |
| Stddev | .0709  | .476   | .00041 | .00060 | .0130  | .00223 | .01359 |
| %RSD   | .78483 | .95920 | .09550 | 2.6642 | .30248 | .78206 | 1.5810 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.0832 | 49.333 | .43291 | .02303 | 4.2871 | .28722 | .86920 |
| #2 | 8.9829 | 50.007 | .43350 | .02218 | 4.3055 | .28406 | .84998 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 16.838 | .00206 | .11833 | .43078 | 2.7543 | .01161 | 2.7842 |
| Stddev | .063   | .00015 | .01168 | .00688 | .0112  | .00161 | .0098  |
| %RSD   | .37386 | 7.4878 | 9.8679 | 1.5969 | .40478 | 13.878 | .35166 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.794 | .00195 | .12659 | .42591 | 2.7464 | .01047 | 2.7912 |
| #2 | 16.883 | .00217 | .11007 | .43564 | 2.7621 | .01275 | 2.7773 |



Sample Name: J5515-10      Acquired: 10/17/2018 12:29:04      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: AOC3-01A      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .31202 | 8.209  | .13458 | <.00000 | F<.00000 |
| Stddev | .00032 | .016   | .00017 | .04356  | .85020   |
| %RSD   | .10213 | .1998  | .12672 | .20154  | 1.0235   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .31180 | 8.220 | .13470 | -21.585 | -82.464 |
| #2 | .31225 | 8.197 | .13446 | -21.646 | -83.667 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4441.9 | 60073. | 5813.0 | 83.442 | 2998.8 |
| Stddev    | .6     | 296.   | 1.4    | 1.410  | 3.9    |
| %RSD      | .01297 | .49300 | .02404 | 1.6902 | .12891 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4442.3 | 59863. | 5812.0 | 82.445 | 2996.1 |
| #2 | 4441.5 | 60282. | 5814.0 | 84.439 | 3001.6 |

Sample Name: CCV03      Acquired: 10/17/2018 12:46:24      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7573      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |          |        |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203   | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.5763 | 4.9172 | 5.0211   | 5.1092 | 5.4261 | 10.766 | 9.7906 | .26204 |
| Stddev | .0043  | .0072  | .0136    | .0079  | .0010  | .007   | .0348  | .00307 |
| %RSD   | .09302 | .14646 | .27020   | .15382 | .01872 | .06466 | .35596 | 1.1729 |
| #1     | 4.5733 | 4.9121 | 5.0115   | 5.1036 | 5.4268 | 10.771 | 9.8152 | .26421 |
| #2     | 4.5793 | 4.9223 | 5.0306   | 5.1147 | 5.4254 | 10.761 | 9.7659 | .25986 |
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4964 | 26.716 | .92160   | 2.5762 | 1.2723 | 4.6788 | 2.5799 | 23.368 |
| Stddev | .0049  | .294   | .00869   | .0048  | .0018  | .1397  | .0260  | .010   |
| %RSD   | .19711 | 1.1014 | .94279   | .18637 | .13827 | 2.9858 | 1.0057 | .04454 |
| #1     | 2.4929 | 26.508 | .92775   | 2.5728 | 1.2711 | 4.7776 | 2.5983 | 23.361 |
| #2     | 2.4999 | 26.924 | .91546   | 2.5796 | 1.2736 | 4.5800 | 2.5616 | 23.376 |
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4162 | 1.2767 | 22.995   | 2.2667 | 2.4011 | 22.616 | 4.7528 | 4.7734 |
| Stddev | .0024  | .0156  | .080     | .0280  | .0732  | .062   | .0086  | .0491  |
| %RSD   | .10157 | 1.2199 | .34682   | 1.2360 | 3.0493 | .27285 | .18201 | 1.0275 |
| #1     | 2.4179 | 1.2877 | 23.051   | 2.2865 | 2.4529 | 22.659 | 4.7467 | 4.7387 |
| #2     | 2.4144 | 1.2657 | 22.939   | 2.2469 | 2.3494 | 22.572 | 4.7589 | 4.8081 |
| Elem   | S_1820 | Si2881 | Sn1899   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7519 | 5.1844 | F 4.4923 | 4.9289 | 5.0079 | 4.896  | 4.8516 | 4.6917 |
| Stddev | .0030  | .0074  | .0008    | .0221  | .0075  | .002   | .0229  | .1058  |
| %RSD   | .06273 | .14221 | .01700   | .44826 | .14962 | .0411  | .47267 | 2.2555 |
| #1     | 4.7540 | 5.1896 | 4.4928   | 4.9446 | 5.0026 | 4.895  | 4.8678 | 4.7666 |
| #2     | 4.7498 | 5.1792 | 4.4918   | 4.9133 | 5.0132 | 4.898  | 4.8353 | 4.6169 |

Sample Name: CCV03      Acquired: 10/17/2018 12:46:24      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7573      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.8700 |
| Stddev | .2371    |
| %RSD   | 8.2620   |

|    |        |
|----|--------|
| #1 | 3.0377 |
| #2 | 2.7023 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3046.0 | 41138. | 3923.3 | 83.909 | 3110.3 |
| Stddev    | 4.0    | 400.   | 8.1    | 2.645  | 3.9    |
| %RSD      | .12976 | .97211 | .20712 | 3.1523 | .12393 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3043.2 | 40856. | 3917.6 | 82.038 | 3107.6 |
| #2 | 3048.8 | 41421. | 3929.1 | 85.779 | 3113.0 |

Sample Name: CCB03      Acquired: 10/17/2018 13:15:32      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7573      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |          |         |         |         |        |
|--------|---------|--------|----------|---------|---------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm     | ppm    | ppm      | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00007 | .00118 | F .00443 | -.00074 | -.00245 | -.00971 | .00160 |
| Stddev | .00139  | .00118 | .00007   | .00342  | .00011  | .00210  | .00087 |
| %RSD   | 1910.0  | 100.01 | 1.6101   | 463.58  | 4.3762  | 21.632  | 54.039 |

|    |         |        |        |         |         |         |        |
|----|---------|--------|--------|---------|---------|---------|--------|
| #1 | -.00106 | .00035 | .00438 | -.00315 | -.00238 | -.01119 | .00222 |
| #2 | .00091  | .00202 | .00448 | .00168  | -.00253 | -.00822 | .00099 |

|        |        |        |        |         |        |         |         |
|--------|--------|--------|--------|---------|--------|---------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00004 | .00002 | .00153 | -.00039 | .00002 | -.00017 | -.00763 |
| Stddev | .00006 | .00003 | .02329 | .00001  | .00020 | .00046  | .00739  |
| %RSD   | 134.47 | 179.59 | 1525.8 | 3.0637  | 1305.2 | 269.07  | 96.899  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00008 | -.00000 | -.01494 | -.00039 | -.00013 | .00015  | -.01286 |
| #2 | .00000 | .00004  | .01800  | -.00040 | .00016  | -.00049 | -.00240 |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00011 | -.01941 | .00085 | .00066 | -.26636 | -.00007 | -.00066 |
| Stddev | .00003  | .00615  | .00035 | .00029 | .00527  | .00013  | .00013  |
| %RSD   | 28.603  | 31.679  | 40.999 | 44.079 | 1.9779  | 188.37  | 19.301  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00009 | -.01506 | .00061 | .00086 | -.27008 | -.00016 | -.00057 |
| #2 | -.00013 | -.02375 | .00110 | .00045 | -.26263 | .00002  | -.00075 |

|        |        |         |        |           |        |         |        |
|--------|--------|---------|--------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm       | ppm    | ppm     | ppm    |
| Avg    | .01869 | -.00016 | .00088 | F -.01787 | .01320 | -.00430 | .00499 |
| Stddev | .05402 | .00009  | .00269 | .00077    | .00022 | .00039  | .00109 |
| %RSD   | 289.08 | 55.852  | 304.10 | 4.3012    | 1.6552 | 9.0819  | 21.884 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.01951 | -.00009 | -.00102 | -.01841 | .01336 | -.00457 | .00576 |
| #2 | .05688  | -.00022 | .00278  | -.01733 | .01305 | -.00402 | .00422 |

Sample Name: CCB03      Acquired: 10/17/2018 13:15:32      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7573      Custom ID2:      Custom ID3:  
Comment:

|        |           |        |         |          |          |
|--------|-----------|--------|---------|----------|----------|
| Elem   | Li6707    | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm       | ppm    | ppm     | ppm      | ppm      |
| Avg    | F -.01339 | -.0082 | -.00001 | F 3.7367 | F .23268 |
| Stddev | .00272    | .0020  | .00007  | .3490    | .57952   |
| %RSD   | 20.286    | 23.81  | 705.31  | 9.3394   | 249.06   |

|    |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|
| #1 | -.01147 | -.0096 | -.00006 | 3.9835 | .64246  |
| #2 | -.01532 | -.0068 | .00004  | 3.4900 | -.17710 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3137.1 | 43210. | 3997.9 | 87.988 | 3422.8 |
| Stddev    | 24.3   | 135.   | 46.3   | 1.243  | 21.0   |
| %RSD      | .77549 | .31287 | 1.1576 | 1.4131 | .61383 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3119.9 | 43114. | 3965.2 | 87.108 | 3408.0 |
| #2 | 3154.3 | 43305. | 4030.6 | 88.867 | 3437.7 |

Sample Name: J5515-13      Acquired: 10/17/2018 13:19:37      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AOC2-01A      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00781 | -.01249 | .22256 | -.04082 | .00547 | 82.906 | .45660 |
| Stddev | .00039 | .00106  | .00129 | .00006  | .00109 | .079   | .00067 |
| %RSD   | 5.0013 | 8.4927  | .57989 | .15724  | 20.017 | .09480 | .14691 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00809 | -.01324 | .22347 | -.04078 | .00624 | 82.850 | .45708 |
| #2 | .00753 | -.01174 | .22164 | -.04087 | .00469 | 82.962 | .45613 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00582 | -.00254 | 7.6266 | .14037 | .09091 | .05152 | 212.86 |
| Stddev | .00010 | .00046  | .0055  | .00109 | .00026 | .00076 | 3.66   |
| %RSD   | 1.7325 | 18.108  | .07193 | .77605 | .28397 | 1.4845 | 1.7175 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00574 | -.00221 | 7.6228 | .13960 | .09073 | .05206 | 210.27 |
| #2 | .00589 | -.00286 | 7.6305 | .14114 | .09110 | .05098 | 215.44 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.7234 | 31.695 | .16278 | .00729 | 1.3602 | .22287 | .41326 |
| Stddev | .0022  | .344   | .00046 | .00065 | .0001  | .00003 | .00535 |
| %RSD   | .12730 | 1.0848 | .28292 | 8.9646 | .00936 | .01506 | 1.2953 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.7219 | 31.452 | .16310 | .00683 | 1.3603 | .22290 | .40947 |
| #2 | 1.7250 | 31.938 | .16245 | .00775 | 1.3601 | .22285 | .41704 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.5432 | .00180 | -.02098 | .76959 | 3.0809 | .00330 | 2.2848 |
| Stddev | .0057  | .00007 | .01073  | .00047 | .0200  | .00103 | .0103  |
| %RSD   | .05962 | 3.7769 | 51.138  | .06160 | .64979 | 31.249 | .45074 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 9.5472 | .00176 | -.02856 | .76993 | 3.0667 | .00403 | 2.2775 |
| #2 | 9.5392 | .00185 | -.01339 | .76926 | 3.0950 | .00257 | 2.2921 |

Sample Name: J5515-13      Acquired: 10/17/2018 13:19:37      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: AOC2-01A      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .18442 | 2.595  | .06913 | <.00000 | F<.00000 |
| Stddev | .00081 | .009   | .00006 | .08196  | .45954   |
| %RSD   | .44186 | .3458  | .08368 | .83562  | 1.5701   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .18500 | 2.601 | .06909 | -9.7502 | -29.594 |
| #2 | .18384 | 2.589 | .06917 | -9.8661 | -28.944 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3453.7 | 47706. | 4544.1 | 88.036 | 3196.9 |
| Stddev    | 2.8    | 66.    | 6.1    | 1.083  | 18.0   |
| %RSD      | .08241 | .13840 | .13366 | 1.2301 | .56236 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3451.7 | 47660. | 4539.8 | 88.802 | 3184.2 |
| #2 | 3455.8 | 47753. | 4548.4 | 87.270 | 3209.6 |

Sample Name: J5515-15      Acquired: 10/17/2018 13:23:29      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AOC2-02A      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00959 | -.02162 | .11895 | -.04770 | .00599 | 120.02 | 1.2093 |
| Stddev | .00188 | .00010  | .00298 | .00007  | .00006 | .63    | .0023  |
| %RSD   | 19.573 | .46861  | 2.5075 | .15667  | 1.0757 | .52434 | .19042 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00826 | -.02155 | .11685 | -.04765 | .00603 | 119.58 | 1.2109 |
| #2 | .01091 | -.02169 | .12106 | -.04775 | .00594 | 120.47 | 1.2077 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00840 | -.00138 | 30.387 | .20192 | .15084 | .04736 | 284.21 |
| Stddev | .00016 | .00017  | .151   | .00064 | .00048 | .00008 | 1.25   |
| %RSD   | 1.8672 | 12.238  | .49787 | .31748 | .32130 | .17198 | .43884 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00851 | -.00150 | 30.280 | .20146 | .15049 | .04742 | 285.09 |
| #2 | .00829 | -.00126 | 30.494 | .20237 | .15118 | .04730 | 283.33 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.8087 | 53.282 | .28180 | .01128 | 1.7891 | .25163 | .68530 |
| Stddev | .0187  | .091   | .00042 | .00008 | .0136  | .00114 | .00468 |
| %RSD   | .27499 | .16999 | .14792 | .66864 | .75740 | .45372 | .68315 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.7954 | 53.346 | .28150 | .01133 | 1.7795 | .25244 | .68861 |
| #2 | 6.8219 | 53.218 | .28209 | .01123 | 1.7987 | .25082 | .68199 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 20.062 | .00170 | .00956 | .65480 | 3.4760 | .00759 | 2.5627 |
| Stddev | .004   | .00038 | .00753 | .00811 | .0447  | .00110 | .0092  |
| %RSD   | .01886 | 22.611 | 78.794 | 1.2379 | 1.2857 | 14.441 | .35943 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 20.060 | .00197 | .01489 | .66053 | 3.5076 | .00682 | 2.5562 |
| #2 | 20.065 | .00142 | .00423 | .64907 | 3.4444 | .00837 | 2.5692 |



Sample Name: J5515-15      Acquired: 10/17/2018 13:23:29      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: AOC2-02A      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .32303 | 7.109  | .10883 | <.00000 | F<.00000 |
| Stddev | .00162 | .006   | .00030 | .58381  | 1.7227   |
| %RSD   | .50117 | .0837  | .27511 | 4.1424  | 3.2626   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .32188 | 7.113 | .10904 | -14.507 | -54.021 |
| #2 | .32417 | 7.105 | .10861 | -13.681 | -51.585 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3621.1 | 50191. | 4833.7 | 87.325 | 3040.0 |
| Stddev    | 5.2    | 94.    | 17.1   | .649   | 1.0    |
| %RSD      | .14491 | .18675 | .35441 | .74322 | .03297 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3617.4 | 50257. | 4821.6 | 86.866 | 3040.7 |
| #2 | 3624.8 | 50124. | 4845.8 | 87.784 | 3039.3 |

Sample Name: J5515-18      Acquired: 10/17/2018 13:27:29      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AOC1-01A      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02277 | -.04379 | .44209 | -.05749 | .01381 | 179.48 | 1.4034 |
| Stddev | .00092 | .00013  | .00186 | .00360  | .00017 | 1.46   | .0089  |
| %RSD   | 4.0597 | .28903  | .42008 | 6.2710  | 1.2549 | .81414 | .63152 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02343 | -.04388 | .44077 | -.05494 | .01393 | 178.44 | 1.4096 |
| #2 | .02212 | -.04370 | .44340 | -.06003 | .01369 | 180.51 | 1.3971 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00975 | .00050 | 83.961 | .32227 | .24055 | .33689 | 398.55 |
| Stddev | .00021 | .00019 | .393   | .00038 | .00010 | .00146 | .84    |
| %RSD   | 2.1721 | 37.861 | .46830 | .11741 | .04191 | .43376 | .21150 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00960 | .00037 | 84.239 | .32201 | .24048 | .33585 | 399.15 |
| #2 | .00990 | .00063 | 83.683 | .32254 | .24062 | .33792 | 397.96 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.3297 | 85.752 | .40369 | .01917 | 3.0103 | .45383 | 2.1661 |
| Stddev | .0045  | .697   | .00034 | .00033 | .0161  | .00019 | .0278  |
| %RSD   | .05456 | .81266 | .08502 | 1.7007 | .53626 | .04123 | 1.2844 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.3330 | 86.245 | .40393 | .01941 | 3.0217 | .45396 | 2.1858 |
| #2 | 8.3265 | 85.260 | .40345 | .01894 | 2.9989 | .45370 | 2.1464 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 16.176 | .01236 | .14052 | 4.0240 | 2.3801 | .02624 | 5.9146 |
| Stddev | .129   | .00030 | .01772 | .0043  | .0487  | .00065 | .0180  |
| %RSD   | .79560 | 2.4442 | 12.613 | .10676 | 2.0448 | 2.4782 | .30477 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.267 | .01214 | .12799 | 4.0210 | 2.4145 | .02578 | 5.9273 |
| #2 | 16.085 | .01257 | .15306 | 4.0271 | 2.3456 | .02670 | 5.9019 |

Sample Name: J5515-18      Acquired: 10/17/2018 13:27:29      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: AOC1-01A      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .32094 | 7.195  | .35248 | <.00000 | F<.00000 |
| Stddev | .00013 | .007   | .00208 | .00419  | 1.2709   |
| %RSD   | .04064 | .0915  | .59013 | .02192  | 1.3168   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .32104 | 7.199 | .35395 | -19.120 | -97.407 |
| #2 | .32085 | 7.190 | .35101 | -19.114 | -95.610 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3689.1 | 51187. | 5116.6 | 85.567 | 2951.7 |
| Stddev    | 7.1    | 58.    | 72.3   | .987   | 8.7    |
| %RSD      | .19194 | .11371 | 1.4138 | 1.1530 | .29587 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3694.1 | 51146. | 5065.5 | 84.869 | 2945.5 |
| #2 | 3684.1 | 51228. | 5167.8 | 86.264 | 2957.8 |

Sample Name: J5515-20      Acquired: 10/17/2018 13:31:31      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AOC1-02A      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01655 | -.02745 | .42516 | -.05469 | .01143 | 166.77 | 1.1741 |
| Stddev | .00056 | .00005  | .00424 | .00235  | .00073 | 1.09   | .0101  |
| %RSD   | 3.3674 | .17708  | .99689 | 4.2916  | 6.3896 | .65226 | .85576 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01695 | -.02742 | .42815 | -.05303 | .01195 | 166.00 | 1.1670 |
| #2 | .01616 | -.02749 | .42216 | -.05635 | .01091 | 167.54 | 1.1812 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00954 | .00006 | 63.463 | .26959 | .19808 | .18258 | 341.57 |
| Stddev | .00021 | .00085 | .390   | .00150 | .00004 | .00373 | 7.69   |
| %RSD   | 2.2495 | 1501.4 | .61434 | .55507 | .02159 | 2.0412 | 2.2512 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00938 | .00066  | 63.188 | .27065 | .19805 | .18522 | 336.14 |
| #2 | .00969 | -.00055 | 63.739 | .26853 | .19811 | .17995 | 347.01 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.1840 | 73.417 | .35499 | .01434 | 2.0261 | .34458 | 2.0228 |
| Stddev | .0490  | .095   | .00048 | .00160 | .0112  | .00103 | .0309  |
| %RSD   | .68260 | .12875 | .13601 | 11.191 | .55233 | .29998 | 1.5276 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.1493 | 73.350 | .35465 | .01321 | 2.0182 | .34384 | 2.0009 |
| #2 | 7.2187 | 73.483 | .35533 | .01548 | 2.0341 | .34531 | 2.0446 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.394 | .00695 | .06237 | 2.5044 | 2.5901 | .01529 | 3.7671 |
| Stddev | .179   | .00006 | .00454 | .0068  | .0166  | .00028 | .0128  |
| %RSD   | 1.0312 | .87763 | 7.2812 | .26973 | .64093 | 1.8030 | .33893 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.267 | .00691 | .06558 | 2.4996 | 2.5783 | .01549 | 3.7580 |
| #2 | 17.521 | .00700 | .05916 | 2.5091 | 2.6018 | .01510 | 3.7761 |

Sample Name: J5515-20      Acquired: 10/17/2018 13:31:31      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: AOC1-02A      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .34536 | 6.537  | .21324 | <.00000 | F<.00000 |
| Stddev | .00125 | .031   | .00132 | .89128  | .44298   |
| %RSD   | .36240 | .4737  | .62114 | 5.2912  | .60160   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .34447 | 6.559 | .21231 | -16.214 | -73.320 |
| #2 | .34624 | 6.515 | .21418 | -17.475 | -73.947 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3590.4 | 49767. | 4910.7 | 86.694 | 3005.9 |
| Stddev    | 5.4    | 72.    | 3.1    | 1.364  | 1.2    |
| %RSD      | .14924 | .14383 | .06302 | 1.5728 | .03895 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3594.2 | 49716. | 4908.5 | 87.658 | 3005.0 |
| #2 | 3586.6 | 49818. | 4912.9 | 85.730 | 3006.7 |

Sample Name: J5520-01      Acquired: 10/17/2018 13:35:34      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CON-163      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .13468 | -.05391 | .42113 | -.04163 | .00940 | 148.38 | .81012 | .00449 |
| Stddev | .00531 | .00004  | .00140 | .00282  | .00197 | .51    | .00497 | .00022 |
| %RSD   | 3.9460 | .07046  | .33305 | 6.7642  | 20.991 | .34092 | .61391 | 4.9248 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .13844 | -.05394 | .42014 | -.04362 | .00800 | 148.74 | .81364 | .00433 |
| #2 | .13092 | -.05389 | .42212 | -.03964 | .01079 | 148.02 | .80661 | .00465 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00392 | 1747.5 | .48913 | .09565 | .87792 | 191.66 | 2.0509 | 97.042 |
| Stddev | .00016 | 11.6   | .00086 | .00003 | .00073 | .17    | .0011  | .535   |
| %RSD   | 4.1322 | .66489 | .17640 | .02846 | .08349 | .09007 | .05202 | .55087 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00381 | 1755.7 | .48852 | .09564 | .87740 | 191.78 | 2.0502 | 97.420 |
| #2 | .00404 | 1739.3 | .48974 | .09567 | .87844 | 191.54 | 2.0517 | 96.664 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .53944 | .00796 | 5.2157 | .92778 | 1.5440 | 29.675 | .23966 | .02968 |
| Stddev | .00025 | .00089 | .0171  | .00275 | .0069  | .250   | .00090 | .00025 |
| %RSD   | .04577 | 11.207 | .32743 | .29630 | .44694 | .84254 | .37447 | .84678 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .53961 | .00859 | 5.2277 | .92972 | 1.5488 | 29.852 | .23903 | .02986 |
| #2 | .53926 | .00733 | 5.2036 | .92584 | 1.5391 | 29.498 | .24030 | .02951 |

|        |          |        |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 59.823 | 1.1952 | .03293 | 8.0435 | .13915 | 8.127  | .94885 | 39.369 |
| Stddev | .050     | .0008  | .00030 | .0622  | .00052 | .003   | .00494 | .403   |
| %RSD   | .08284   | .06632 | .89593 | .77331 | .37073 | .0304  | .52067 | 1.0230 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 59.788 | 1.1958 | .03272 | 8.0874 | .13951 | 8.126 | .95234 | 39.084 |
| #2 | 59.858 | 1.1947 | .03314 | 7.9995 | .13878 | 8.129 | .94536 | 39.654 |

Sample Name: J5520-01      Acquired: 10/17/2018 13:35:34      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CON-163      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.0761 |
| Stddev | .3284  |
| %RSD   | 10.675 |

|    |        |
|----|--------|
| #1 | 2.8439 |
| #2 | 3.3083 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3038.6 | 41747. | 4469.2 | 76.255 | 2473.0 |
| Stddev    | 1.6    | 200.   | 18.8   | .302   | 1.7    |
| %RSD      | .05337 | .47883 | .42168 | .39595 | .06675 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3037.4 | 41606. | 4455.8 | 76.041 | 2471.9 |
| #2 | 3039.7 | 41888. | 4482.5 | 76.468 | 2474.2 |

Sample Name: J5524-01      Acquired: 10/17/2018 13:39:30      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BS-SOIL-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .08497 | -.02028 | .22183 | -.03766 | .00645 | 197.06 | .46430 |
| Stddev | .00307 | .00037  | .00152 | .00028  | .00066 | .46    | .00069 |
| %RSD   | 3.6118 | 1.8169  | .68487 | .74485  | 10.307 | .23117 | .14899 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .08280 | -.02002 | .22076 | -.03786 | .00692 | 197.38 | .46479 |
| #2 | .08714 | -.02054 | .22291 | -.03746 | .00598 | 196.74 | .46381 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00701 | -.00007 | 31.306 | .22270 | .11498 | .30189 | 231.74 |
| Stddev | .00004 | .00053  | .089   | .00178 | .00005 | .00393 | 6.31   |
| %RSD   | .59861 | 788.64  | .28560 | .79756 | .04333 | 1.3005 | 2.7214 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00698 | -.00044 | 31.370 | .22144 | .11501 | .29911 | 236.20 |
| #2 | .00704 | .00031  | 31.243 | .22395 | .11494 | .30466 | 227.28 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3722 | 36.321 | .19933 | .00896 | 1.5977 | .40542 | 3.7187 |
| Stddev | .0026  | .053   | .00112 | .00086 | .0043  | .00233 | .0901  |
| %RSD   | .11070 | .14498 | .56270 | 9.5658 | .26997 | .57502 | 2.4231 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3703 | 36.283 | .20013 | .00956 | 1.5947 | .40377 | 3.7824 |
| #2 | 2.3740 | 36.358 | .19854 | .00835 | 1.6008 | .40707 | 3.6550 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.6125 | .00167 | .00477 | .62061 | 2.6395 | .01168 | 2.5831 |
| Stddev | .0811  | .00013 | .02498 | .00019 | .0197  | .00148 | .0117  |
| %RSD   | .94169 | 7.5240 | 523.62 | .03072 | .74634 | 12.705 | .45204 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 8.5552 | .00176 | .02243  | .62048 | 2.6256 | .01273 | 2.5749 |
| #2 | 8.6698 | .00158 | -.01289 | .62075 | 2.6535 | .01063 | 2.5914 |



Sample Name: J5524-01      Acquired: 10/17/2018 13:39:30      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BS-SOIL-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .11827 | 4.356  | .14685 | <.00000 | F<.00000 |
| Stddev | .00004 | .012   | .00066 | .23279  | .31815   |
| %RSD   | .03143 | .2650  | .44771 | 2.5535  | .94196   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .11824 | 4.348 | .14638 | -9.2811 | -33.551 |
| #2 | .11830 | 4.364 | .14731 | -8.9519 | -34.001 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3531.3 | 48486. | 4728.0 | 84.762 | 3069.7 |
| Stddev    | 2.1    | 104.   | 14.4   | 2.139  | 10.0   |
| %RSD      | .05863 | .21413 | .30373 | 2.5230 | .32452 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3529.8 | 48413. | 4738.2 | 83.250 | 3062.7 |
| #2 | 3532.7 | 48559. | 4717.9 | 86.275 | 3076.8 |

Sample Name: J5524-05      Acquired: 10/17/2018 13:43:27      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BS-SOIL-2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04129 | -.02462 | .18001 | -.04270 | .00809 | 212.98 | .57461 |
| Stddev | .00190 | .00190  | .00169 | .00336  | .00184 | .69    | .00291 |
| %RSD   | 4.6094 | 7.7060  | .93990 | 7.8796  | 22.712 | .32440 | .50623 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04264 | -.02596 | .18121 | -.04032 | .00679 | 213.46 | .57667 |
| #2 | .03995 | -.02328 | .17882 | -.04508 | .00939 | 212.49 | .57256 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00741 | -.00200 | 10.138 | .22375 | .15082 | .05454 | 262.01 |
| Stddev | .00010 | .00052  | .068   | .00089 | .00036 | .00128 | 3.65   |
| %RSD   | 1.3404 | 25.945  | .66737 | .39988 | .23721 | 2.3483 | 1.3941 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00748 | -.00237 | 10.186 | .22438 | .15107 | .05364 | 264.59 |
| #2 | .00734 | -.00163 | 10.090 | .22311 | .15057 | .05545 | 259.43 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.8121 | 23.331 | .18851 | .01062 | .06188 | .41240 | 1.3099 |
| Stddev | .0001  | .133   | .00003 | .00055 | .00051 | .00038 | .0127  |
| %RSD   | .00585 | .57014 | .01764 | 5.1930 | .82363 | .09115 | .96934 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.8120 | 23.237 | .18848 | .01101 | .06224 | .41214 | 1.3189 |
| #2 | 1.8122 | 23.425 | .18853 | .01023 | .06152 | .41267 | 1.3009 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 15.079 | .00220 | -.00326 | .87083 | 3.6837 | .01305 | 3.3312 |
| Stddev | .061   | .00003 | .01490  | .00199 | .0006  | .00039 | .0102  |
| %RSD   | .40714 | 1.4506 | 456.27  | .22902 | .01507 | 3.0182 | .30611 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 15.122 | .00222 | .00727  | .87224 | 3.6841 | .01277 | 3.3239 |
| #2 | 15.036 | .00218 | -.01380 | .86942 | 3.6833 | .01333 | 3.3384 |

Sample Name: J5524-05      Acquired: 10/17/2018 13:43:27      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: BS-SOIL-2      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .09811 | 3.456  | .09218 | <.00000 | F<.00000 |
| Stddev | .00037 | .002   | .00019 | .31015  | .32374   |
| %RSD   | .37687 | .0478  | .20256 | 2.5790  | .68507   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .09784 | 3.458 | .09205 | -11.806 | -47.028 |
| #2 | .09837 | 3.455 | .09231 | -12.245 | -47.486 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3770.6 | 51665. | 5101.8 | 86.405 | 3085.1 |
| Stddev    | 5.6    | 35.    | 11.4   | .980   | 2.3    |
| %RSD      | .14977 | .06833 | .22275 | 1.1341 | .07322 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3766.6 | 51690. | 5093.8 | 85.712 | 3086.7 |
| #2 | 3774.6 | 51640. | 5109.8 | 87.098 | 3083.5 |

Sample Name: J5527-01      Acquired: 10/17/2018 13:47:23      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SP-STONE      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |        |        |        |
|--------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.01072 | -.14510 | -.06447 | -.11978 | .02082 | 318.37 | .15375 |
| Stddev | .00342  | .00319  | .00015  | .00255  | .00143 | .52    | .00059 |
| %RSD   | 31.881  | 2.2015  | .23113  | 2.1302  | 6.8908 | .16322 | .38504 |

|    |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.01314 | -.14736 | -.06436 | -.12159 | .01981 | 318.74 | .15333 |
| #2 | -.00831 | -.14284 | -.06457 | -.11798 | .02184 | 318.00 | .15417 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00808 | .00376 | 182.08 | 1.0072 | .54593 | 1.5348 | 695.52 |
| Stddev | .00023 | .00016 | 1.21   | .0031  | .00188 | .0003  | 1.31   |
| %RSD   | 2.8430 | 4.1457 | .66691 | .30285 | .34420 | .01730 | .18907 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00792 | .00365 | 181.22 | 1.0094 | .54726 | 1.5347 | 696.45 |
| #2 | .00824 | .00387 | 182.94 | 1.0051 | .54460 | 1.5350 | 694.59 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.0495 | 291.71 | .85932 | .03527 | 4.9210 | 1.3199 | 1.0670 |
| Stddev | .0039  | 2.45   | .00325 | .00081 | .0472  | .0018  | .0039  |
| %RSD   | .05485 | .83996 | .37780 | 2.3005 | .95952 | .13256 | .36301 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.0523 | 289.98 | .86162 | .03585 | 4.8876 | 1.3186 | 1.0698 |
| #2 | 7.0468 | 293.44 | .85702 | .03470 | 4.9544 | 1.3211 | 1.0643 |

|        |        |         |        |        |        |        |          |
|--------|--------|---------|--------|--------|--------|--------|----------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .86973 | -.00424 | .58570 | 1.3514 | 2.1966 | .02656 | F 20.414 |
| Stddev | .00749 | .00093  | .00684 | .0063  | .0261  | .00085 | .053     |
| %RSD   | .86130 | 21.906  | 1.1680 | .46948 | 1.1884 | 3.2082 | .25994   |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .86443 | -.00489 | .59054 | 1.3559 | 2.1781 | .02596 | 20.376 |
| #2 | .87502 | -.00358 | .58087 | 1.3469 | 2.2150 | .02716 | 20.451 |

Sample Name: J5527-01      Acquired: 10/17/2018 13:47:23      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SP-STONE      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .34833 | 8.469  | .20325 | <.00000 | F<.00000 |
| Stddev | .00308 | .017   | .00035 | .20242  | 3.6786   |
| %RSD   | .88324 | .2034  | .17430 | .64005  | 1.6717   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .34616 | 8.482 | .20300 | -31.483 | -217.46 |
| #2 | .35051 | 8.457 | .20350 | -31.769 | -222.66 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3449.9 | 47940. | 4867.3 | 78.671 | 2615.9 |
| Stddev    | 1.4    | 131.   | 25.1   | .346   | 8.8    |
| %RSD      | .04003 | .27404 | .51505 | .43945 | .33692 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3448.9 | 47847. | 4885.0 | 78.426 | 2609.7 |
| #2 | 3450.9 | 48032. | 4849.5 | 78.915 | 2622.1 |

Sample Name: PB113871BL      Acquired: 10/17/2018 13:59:46      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB113871BL      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |         |         |        |         |
|--------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00096 | .00018 | .00095 | -.00080 | -.00139 | .01705 | -.00064 |
| Stddev | .00348  | .00032 | .00176 | .00092  | .00084  | .00773 | .00065  |
| %RSD   | 364.02  | 173.46 | 184.54 | 114.87  | 60.797  | 45.359 | 102.42  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00150  | -.00004 | .00219  | -.00145 | -.00199 | .02252 | -.00110 |
| #2 | -.00341 | .00041  | -.00029 | -.00015 | -.00079 | .01158 | -.00018 |

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00004 | .00000 | .01269 | -.00023 | .00027 | .00002 | .00380 |
| Stddev | .00005  | .00000 | .03889 | .00019  | .00019 | .00023 | .00179 |
| %RSD   | 101.31  | 885.75 | 306.37 | 84.360  | 70.527 | 1303.1 | 46.969 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00008 | -.00000 | -.01480 | -.00037 | .00014 | -.00015 | .00254 |
| #2 | -.00001 | .00000  | .04019  | -.00009 | .00041 | .00018  | .00507 |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00027 | -.04256 | .00069 | .00058 | -.28519 | -.00023 | -.00078 |
| Stddev | .00004  | .03179  | .00003 | .00038 | .01146  | .00027  | .00006  |
| %RSD   | 14.998  | 74.688  | 4.6373 | 65.870 | 4.0179  | 117.16  | 7.5193  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00030 | -.06504 | .00071 | .00085 | -.27709 | -.00004 | -.00083 |
| #2 | -.00024 | -.02008 | .00067 | .00031 | -.29329 | -.00042 | -.00074 |

|        |        |         |         |          |        |         |        |
|--------|--------|---------|---------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm      | ppm    | ppm     | ppm    |
| Avg    | .01642 | -.00010 | -.01078 | F .14765 | .00706 | -.00383 | .00463 |
| Stddev | .00799 | .00009  | .00490  | .00336   | .00036 | .00024  | .00264 |
| %RSD   | 48.656 | 90.753  | 45.434  | 2.2730   | 5.1496 | 6.3115  | 57.099 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | .01077 | -.00016 | -.01424 | .14528 | .00732 | -.00400 | .00276 |
| #2 | .02206 | -.00004 | -.00732 | .15002 | .00680 | -.00366 | .00650 |

Sample Name: PB113871BL      Acquired: 10/17/2018 13:59:46      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB113871BL      Custom ID2:      Custom ID3:  
 Comment:

|        |           |        |        |          |          |
|--------|-----------|--------|--------|----------|----------|
| Elem   | Li6707    | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm       | ppm    | ppm    | ppm      | ppm      |
| Avg    | F -.01505 | -.0001 | .00009 | F 2.8345 | F .69574 |
| Stddev | .00149    | .0004  | .00006 | .5876    | .09722   |
| %RSD   | 9.9303    | 452.7  | 63.023 | 20.732   | 13.973   |

|    |         |        |        |        |        |
|----|---------|--------|--------|--------|--------|
| #1 | -.01611 | -.0004 | .00013 | 3.2500 | .62699 |
| #2 | -.01400 | .0002  | .00005 | 2.4190 | .76448 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3188.3 | 44907. | 4272.2 | 93.804 | 3493.0 |
| Stddev    | 96.5   | 163.   | 4.6    | .654   | 98.9   |
| %RSD      | 3.0279 | .36241 | .10713 | .69728 | 2.8320 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3256.5 | 44792. | 4269.0 | 93.342 | 3562.9 |
| #2 | 3120.0 | 45022. | 4275.5 | 94.267 | 3423.0 |

Sample Name: CCV04      Acquired: 10/17/2018 14:30:58      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14009      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |          |        |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203   | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6758 | 4.8792 | 4.9727   | 5.2714 | 5.4767 | 10.784 | 9.8750 | .25783 |
| Stddev | .0721  | .0957  | .0989    | .0440  | .1003  | .106   | .2425  | .00456 |
| %RSD   | 1.5422 | 1.9615 | 1.9884   | .83543 | 1.8305 | .98334 | 2.4558 | 1.7671 |
| #1     | 4.7268 | 4.9468 | 5.0426   | 5.3026 | 5.5475 | 10.709 | 9.7035 | .25460 |
| #2     | 4.6248 | 4.8115 | 4.9028   | 5.2403 | 5.4058 | 10.859 | 10.046 | .26105 |
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4849 | 26.641 | .91833   | 2.5937 | 1.2776 | 4.5155 | 2.5139 | 23.014 |
| Stddev | .0414  | .792   | .01307   | .0447  | .0228  | .1865  | .0346  | .672   |
| %RSD   | 1.6659 | 2.9726 | 1.4230   | 1.7245 | 1.7883 | 4.1313 | 1.3769 | 2.9180 |
| #1     | 2.5141 | 26.081 | .90909   | 2.6253 | 1.2938 | 4.3835 | 2.4894 | 22.539 |
| #2     | 2.4556 | 27.201 | .92757   | 2.5621 | 1.2615 | 4.6474 | 2.5384 | 23.489 |
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3948 | 1.2187 | 22.818   | 2.2530 | 2.2815 | 26.722 | 4.7208 | 4.8289 |
| Stddev | .0439  | .0172  | .631     | .0327  | .0811  | .654   | .0701  | .1002  |
| %RSD   | 1.8311 | 1.4119 | 2.7636   | 1.4508 | 3.5538 | 2.4478 | 1.4856 | 2.0746 |
| #1     | 2.4258 | 1.2065 | 22.372   | 2.2299 | 2.2242 | 26.260 | 4.7704 | 4.7581 |
| #2     | 2.3638 | 1.2308 | 23.264   | 2.2761 | 2.3389 | 27.185 | 4.6712 | 4.8998 |
| Elem   | S_1820 | Si2881 | Sn1899   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7855 | 5.1585 | F 4.3850 | 4.9485 | 5.0701 | 4.957  | 4.8911 | 5.0125 |
| Stddev | .0809  | .1948  | .0758    | .1345  | .1293  | .076   | .1226  | .1019  |
| %RSD   | 1.6899 | 3.7766 | 1.7280   | 2.7177 | 2.5506 | 1.532  | 2.5074 | 2.0321 |
| #1     | 4.8427 | 5.0208 | 4.4385   | 4.8534 | 4.9787 | 5.010  | 4.8044 | 4.9405 |
| #2     | 4.7284 | 5.2963 | 4.3314   | 5.0436 | 5.1615 | 4.903  | 4.9779 | 5.0845 |



Sample Name: CCV04      Acquired: 10/17/2018 14:30:58      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14009      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.3472 |
| Stddev | .1355    |
| %RSD   | 5.7724   |

|    |        |
|----|--------|
| #1 | 2.4430 |
| #2 | 2.2514 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2978.7 | 41731. | 3967.8 | 86.738 | 3067.5 |
| Stddev    | 56.7   | 243.   | 93.7   | 2.900  | 60.7   |
| %RSD      | 1.9037 | .58300 | 2.3606 | 3.3433 | 1.9777 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2938.6 | 41903. | 4034.1 | 88.788 | 3024.6 |
| #2 | 3018.8 | 41559. | 3901.6 | 84.687 | 3110.4 |

Sample Name: CCB04      Acquired: 10/17/2018 14:36:05      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14009      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |         |         |         |
|--------|--------|--------|---------|---------|---------|---------|---------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00221 | .00214 | -.00022 | -.00429 | -.00286 | -.00531 | -.00073 |
| Stddev | .00017 | .00030 | .00086  | .00056  | .00058  | .00678  | .00008  |
| %RSD   | 7.5222 | 13.806 | 396.15  | 12.963  | 20.330  | 127.71  | 11.289  |

|    |        |        |         |         |         |         |         |
|----|--------|--------|---------|---------|---------|---------|---------|
| #1 | .00209 | .00235 | -.00082 | -.00390 | -.00327 | -.00051 | -.00079 |
| #2 | .00232 | .00193 | .00039  | -.00468 | -.00245 | -.01010 | -.00067 |

|        |         |        |        |        |         |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00008 | .00011 | .01255 | .00006 | -.00008 | .00026 | .00169 |
| Stddev | .00004  | .00000 | .01285 | .00030 | .00022  | .00006 | .00951 |
| %RSD   | 58.554  | 1.7906 | 102.40 | 468.14 | 277.03  | 20.900 | 561.15 |

|    |         |        |        |         |         |        |         |
|----|---------|--------|--------|---------|---------|--------|---------|
| #1 | -.00011 | .00011 | .00346 | -.00015 | -.00023 | .00023 | -.00503 |
| #2 | -.00004 | .00011 | .02164 | .00027  | .00008  | .00030 | .00842  |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00024 | -.01344 | .00053 | .00022 | -.28809 | -.00036 | -.00099 |
| Stddev | .00002  | .02446  | .00005 | .00036 | .00839  | .00017  | .00009  |
| %RSD   | 9.8495  | 182.01  | 8.9083 | 161.72 | 2.9107  | 47.985  | 9.0528  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00022 | .00386  | .00050 | -.00003 | -.29402 | -.00024 | -.00106 |
| #2 | -.00025 | -.03073 | .00056 | .00048  | -.28217 | -.00048 | -.00093 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | .00336 | .00032 | .00652 | F .05025 | .01504 | -.00301 | .00506 |
| Stddev | .02249 | .00002 | .00660 | .03201   | .00107 | .00005  | .00155 |
| %RSD   | 669.94 | 5.0038 | 101.12 | 63.699   | 7.1368 | 1.6233  | 30.620 |

|    |         |        |        |        |        |         |        |
|----|---------|--------|--------|--------|--------|---------|--------|
| #1 | .01926  | .00033 | .01119 | .02762 | .01428 | -.00298 | .00396 |
| #2 | -.01255 | .00031 | .00186 | .07289 | .01580 | -.00305 | .00615 |

Sample Name: CCB04      Acquired: 10/17/2018 14:36:05      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14009      Custom ID2:      Custom ID3:  
 Comment:

|        |           |        |        |          |          |
|--------|-----------|--------|--------|----------|----------|
| Elem   | Li6707    | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm       | ppm    | ppm    | ppm      | ppm      |
| Avg    | F -.01098 | .0046  | .00001 | F 4.2189 | F<.00000 |
| Stddev | .00074    | .0055  | .00001 | .2413    | .17876   |
| %RSD   | 6.7507    | 118.0  | 78.060 | 5.7196   | 58.853   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.01046 | .0008 | .00000 | 4.0483 | -.17734 |
| #2 | -.01151 | .0085 | .00001 | 4.3896 | -.43015 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3065.2 | 41748. | 3933.8 | 87.492 | 3374.2 |
| Stddev    | 7.9    | 867.   | .2     | 3.630  | 9.7    |
| %RSD      | .25690 | 2.0758 | .00482 | 4.1488 | .28665 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3070.8 | 42360. | 3933.7 | 90.058 | 3381.1 |
| #2 | 3059.6 | 41135. | 3933.9 | 84.925 | 3367.4 |

Sample Name: PB113920BL      Acquired: 10/17/2018 14:40:09      Type: Unk  
Method: P4-ICP2(v2504)      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    | -.00162 | .00144 | -.00062 | -.00309 | -.00169 | .00167 | -.00030 |
| Stddev | .00075  | .00048 | .00136  | .00295  | .00195  | .01065 | .00213  |
| %RSD   | 46.470  | 33.168 | 219.34  | 95.610  | 115.16  | 636.82 | 706.73  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00215 | .00110 | .00034  | -.00100 | -.00307 | .00920  | .00121  |
| #2 | -.00109 | .00178 | -.00158 | -.00518 | -.00031 | -.00586 | -.00181 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00005 | .00004 | .02068 | -.00042 | .00002 | -.00033 | .00289 |
| Stddev | .00004 | .00006 | .00492 | .00048  | .00028 | .00032  | .00187 |
| %RSD   | 78.824 | 148.42 | 23.799 | 116.19  | 1241.2 | 96.530  | 64.802 |

|    |        |         |        |         |         |         |        |
|----|--------|---------|--------|---------|---------|---------|--------|
| #1 | .00008 | -.00000 | .02416 | -.00007 | -.00017 | -.00011 | .00422 |
| #2 | .00002 | .00008  | .01720 | -.00076 | .00022  | -.00056 | .00157 |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00025 | -.02427 | .00039 | .00029 | -.29240 | -.00075 | -.00147 |
| Stddev | .00004  | .04055  | .00001 | .00020 | .00321  | .00027  | .00013  |
| %RSD   | 14.352  | 167.10  | 3.2478 | 68.988 | 1.0975  | 36.325  | 8.7733  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00023 | .00441  | .00038 | .00043 | -.29467 | -.00094 | -.00138 |
| #2 | -.00028 | -.05294 | .00039 | .00015 | -.29013 | -.00055 | -.00157 |

|        |         |        |        |          |        |         |        |
|--------|---------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | -.01960 | .00011 | .00447 | F .03517 | .01182 | -.00300 | .00610 |
| Stddev | .01184  | .00010 | .00219 | .00838   | .00207 | .00043  | .00098 |
| %RSD   | 60.397  | 89.558 | 48.956 | 23.814   | 17.516 | 14.330  | 16.115 |

|    |         |        |        |        |        |         |        |
|----|---------|--------|--------|--------|--------|---------|--------|
| #1 | -.02797 | .00018 | .00292 | .04110 | .01328 | -.00269 | .00680 |
| #2 | -.01123 | .00004 | .00602 | .02925 | .01035 | -.00330 | .00541 |

Sample Name: PB113920BL      Acquired: 10/17/2018 14:40:09      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |           |        |        |          |          |
|--------|-----------|--------|--------|----------|----------|
| Elem   | Li6707    | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm       | ppm    | ppm    | ppm      | ppm      |
| Avg    | F -.01292 | -.0008 | .00004 | F 3.3346 | F .15524 |
| Stddev | .00007    | .0019  | .00008 | .7878    | .43156   |
| %RSD   | .56121    | 248.3  | 204.88 | 23.626   | 277.99   |

|    |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|
| #1 | -.01287 | .0006  | .00009  | 2.7775 | -.14992 |
| #2 | -.01297 | -.0022 | -.00002 | 3.8916 | .46040  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3011.7 | 42927. | 4097.3 | 93.254 | 3327.9 |
| Stddev    | 35.9   | 791.   | 220.7  | 5.533  | 49.1   |
| %RSD      | 1.1906 | 1.8417 | 5.3854 | 5.9334 | 1.4742 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3037.1 | 43486. | 3941.3 | 89.342 | 3362.6 |
| #2 | 2986.4 | 42368. | 4253.3 | 97.167 | 3293.2 |

Sample Name: PB113920BS      Acquired: 10/17/2018 14:44:13      Type: Unk  
Method: P4-ICP2(v2504)      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    | .75557 | 2.1133 | 1.0476 | 2.2436 | .92894 | 2.2377 | .21760 |
| Stddev | .01803 | .0475  | .0180  | .0450  | .02106 | .0245  | .00117 |
| %RSD   | 2.3864 | 2.2459 | 1.7188 | 2.0055 | 2.2675 | 1.0936 | .53920 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76832 | 2.1469 | 1.0604 | 2.2754 | .94384 | 2.2204 | .21843 |
| #2 | .74282 | 2.0798 | 1.0349 | 2.2118 | .91405 | 2.2550 | .21677 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22140 | .20868 | 1.1920 | .38272 | .22279 | .34548 | 2.9622 |
| Stddev | .00106 | .00472 | .0091  | .00008 | .00493 | .00776 | .0459  |
| %RSD   | .47991 | 2.2594 | .76008 | .02163 | 2.2124 | 2.2447 | 1.5495 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22215 | .21202 | 1.1856 | .38278 | .22627 | .35097 | 2.9946 |
| #2 | .22065 | .20535 | 1.1985 | .38266 | .21930 | .34000 | 2.9297 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22687 | 1.9738 | .51502 | .06125 | 2.7847 | .27940 | .20276 |
| Stddev | .00020 | .0643  | .01170 | .00001 | .0158  | .00025 | .00577 |
| %RSD   | .08982 | 3.2582 | 2.2721 | .02280 | .56847 | .08965 | 2.8437 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22702 | 2.0193 | .52329 | .06126 | 2.7735 | .27958 | .20684 |
| #2 | .22673 | 1.9283 | .50675 | .06124 | 2.7959 | .27923 | .19868 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.7003 | .40386 | .30489 | F .01919 | 1.0781 | .63732 | .21948 |
| Stddev | .0068  | .00757 | .01498 | .00053   | .0183  | .01193 | .00202 |
| %RSD   | .07007 | 1.8742 | 4.9137 | 2.7565   | 1.6959 | 1.8714 | .92077 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.6955 | .40921 | .31548 | .01881 | 1.0910 | .64576 | .22090 |
| #2 | 9.7051 | .39850 | .29430 | .01956 | 1.0652 | .62889 | .21805 |

Sample Name: PB113920BS      Acquired: 10/17/2018 14:44:13      Type: Unk  
 Method: P4-ICP2(v2504)      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       | .21064 | 5.804  | .21046 | F 4.0000 | F<.00000 |
| Stddev    | .00196 | .135   | .00011 | .0922    | .12024   |
| %RSD      | .93053 | 2.332  | .05162 | 2.3055   | 11.932   |
| #1        | .21202 | 5.899  | .21054 | 4.0652   | -.92267  |
| #2        | .20925 | 5.708  | .21039 | 3.9348   | -1.0927  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3005.8 | 42235. | 3888.3 | 86.913   | 3268.2   |
| Stddev    | 68.7   | 201.   | 51.8   | 2.551    | 82.1     |
| %RSD      | 2.2867 | .47702 | 1.3332 | 2.9357   | 2.5116   |
| #1        | 2957.2 | 42092. | 3851.7 | 85.108   | 3210.2   |
| #2        | 3054.4 | 42377. | 3925.0 | 88.717   | 3326.2   |

Sample Name: J5540-01      Acquired: 10/17/2018 14:48:03      Type: Unk  
Method: P4-ICP2(v2504)      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    | .01278 | -.00114 | .04545 | .01256 | -.00092 | 6.0667 | .31379 | .00016 |
| Stddev | .00048 | .00142  | .00202 | .00155 | .00054  | .1285  | .00015 | .00004 |
| %RSD   | 3.7294 | 124.40  | 4.4484 | 12.317 | 58.541  | 2.1188 | .04898 | 25.651 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .01245 | -.00014 | .04402 | .01365 | -.00130 | 6.1576 | .31368 | .00013 |
| #2 | .01312 | -.00215 | .04688 | .01146 | -.00054 | 5.9758 | .31390 | .00018 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 168.79 | .00885 | .00449 | .01534 | 4.9409 | .45307 | 49.709 |
| Stddev | .00011  | .60    | .00047 | .00002 | .00055 | .0429  | .00245 | .075   |
| %RSD   | 151.18  | .35620 | 5.2765 | .33925 | 3.5555 | .86902 | .54104 | .15077 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00000  | 168.37 | .00852 | .00450 | .01495 | 4.9105 | .45134 | 49.762 |
| #2 | -.00015 | 169.22 | .00918 | .00448 | .01572 | 4.9713 | .45480 | 49.656 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00537 | .00045 | 93.763 | .00784 | .04864 | 10.229 | .01105 | .11752 |
| Stddev | .00032 | .00050 | .435   | .00014 | .00092 | .017   | .00015 | .00933 |
| %RSD   | 5.9913 | 111.75 | .46437 | 1.8133 | 1.8909 | .16405 | 1.3909 | 7.9427 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00514 | .00080 | 93.455 | .00794 | .04799 | 10.241 | .01094 | .12412 |
| #2 | .00559 | .00009 | 94.071 | .00774 | .04929 | 10.217 | .01116 | .11092 |

|        |          |          |         |        |        |        |        |        |
|--------|----------|----------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 58.794 | F 17.044 | -.02193 | .19479 | .01889 | .1822  | 1.4824 | 7.6106 |
| Stddev | .327     | .209     | .00167  | .01156 | .00107 | .0056  | .0049  | .3021  |
| %RSD   | .55695   | 1.2259   | 7.6307  | 5.9330 | 5.6629 | 3.097  | .33026 | 3.9690 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 58.562 | 16.897 | -.02074 | .20296 | .01965 | .1861 | 1.4789 | 7.3970 |
| #2 | 59.025 | 17.192 | -.02311 | .18662 | .01813 | .1782 | 1.4859 | 7.8242 |



Sample Name: J5540-01      Acquired: 10/17/2018 14:48:03      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.4252 |
| Stddev | .6945  |
| %RSD   | 28.637 |

|    |        |
|----|--------|
| #1 | 1.9341 |
| #2 | 2.9163 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2803.7 | 38972. | 3879.4 | 84.290 | 2895.5 |
| Stddev    | 9.1    | 180.   | 35.3   | 1.129  | 11.4   |
| %RSD      | .32301 | .46243 | .90929 | 1.3400 | .39314 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2797.3 | 39099. | 3904.3 | 85.089 | 2887.4 |
| #2 | 2810.1 | 38844. | 3854.5 | 83.492 | 2903.5 |

Sample Name: J5540-01DUP      Acquired: 10/17/2018 14:52:02      Type: Unk  
Method: P4-ICP2(v2504)      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    | .00516   | -.00096  | .04591  | .01215 | -.00051 | 5.9981 | .31531 | .00012 |
| Stddev | .00560   | .00186   | .00041  | .00172 | .00039  | .0460  | .00027 | .00009 |
| %RSD   | 108.60   | 195.08   | .88280  | 14.158 | 75.999  | .76689 | .08669 | 75.364 |
| #1     | .00120   | -.00227  | .04562  | .01336 | -.00024 | 6.0306 | .31550 | .00019 |
| #2     | .00912   | .00036   | .04619  | .01093 | -.00079 | 5.9656 | .31512 | .00006 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00013  | 168.96   | .00922  | .00432 | .01526  | 5.0223 | .45303 | 49.891 |
| Stddev | .00002   | .53      | .00041  | .00017 | .00059  | .0580  | .00173 | .155   |
| %RSD   | 13.185   | .31557   | 4.4171  | 3.9757 | 3.8530  | 1.1539 | .38207 | .31124 |
| #1     | -.00011  | 169.34   | .00894  | .00420 | .01484  | 4.9813 | .45426 | 49.781 |
| #2     | -.00014  | 168.59   | .00951  | .00444 | .01568  | 5.0633 | .45181 | 50.000 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00478   | .00018   | 94.214  | .00821 | .04794  | 10.196 | .01135 | .12225 |
| Stddev | .00011   | .00037   | .404    | .00032 | .00059  | .051   | .00003 | .00653 |
| %RSD   | 2.3049   | 205.98   | .42845  | 3.8637 | 1.2227  | .49929 | .30411 | 5.3448 |
| #1     | .00486   | -.00008  | 94.500  | .00843 | .04753  | 10.160 | .01132 | .11763 |
| #2     | .00470   | .00045   | 93.929  | .00798 | .04835  | 10.232 | .01137 | .12687 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 59.133 | F 16.836 | -.02324 | .19342 | .02040  | .1829  | 1.4927 | 7.9313 |
| Stddev | .012     | .070     | .00129  | .01045 | .00114  | .0002  | .0064  | .7228  |
| %RSD   | .02108   | .41808   | 5.5469  | 5.4030 | 5.5650  | .1342  | .42628 | 9.1130 |
| #1     | 59.125   | 16.786   | -.02233 | .20081 | .01959  | .1831  | 1.4972 | 8.4424 |
| #2     | 59.142   | 16.886   | -.02415 | .18603 | .02120  | .1827  | 1.4882 | 7.4202 |

Sample Name: J5540-01DUP      Acquired: 10/17/2018 14:52:02      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.1260 |
| Stddev | .1502  |
| %RSD   | 7.0663 |

|    |        |
|----|--------|
| #1 | 2.0198 |
| #2 | 2.2323 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2791.2 | 39243. | 3895.3 | 83.854 | 2876.0 |
| Stddev    | 20.4   | 341.   | 2.4    | .854   | 14.7   |
| %RSD      | .73059 | .86905 | .06043 | 1.0189 | .50968 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2776.8 | 39002. | 3896.9 | 84.458 | 2865.6 |
| #2 | 2805.6 | 39484. | 3893.6 | 83.250 | 2886.4 |

Sample Name: J5540-01LX5      Acquired: 10/17/2018 14:56:02      Type: Unk  
Method: P4-ICP2(v2504)      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    | .00215 | .00121 | .00798 | .00000  | -.00269 | 1.1887 | .06190 | .00006 |
| Stddev | .00462 | .00071 | .00115 | .00126  | .00128  | .0238  | .00122 | .00010 |
| %RSD   | 214.79 | 58.424 | 14.385 | 106810. | 47.545  | 1.9976 | 1.9782 | 175.53 |

|    |         |        |        |         |         |        |        |         |
|----|---------|--------|--------|---------|---------|--------|--------|---------|
| #1 | -.00112 | .00171 | .00717 | .00090  | -.00359 | 1.2055 | .06104 | .00013  |
| #2 | .00542  | .00071 | .00879 | -.00089 | -.00178 | 1.1719 | .06277 | -.00001 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 34.283 | .00215 | .00119 | .00292 | 1.0029 | .09334 | 10.088 |
| Stddev | .00002  | .194   | .00064 | .00008 | .00048 | .0344  | .00011 | .110   |
| %RSD   | 45.096  | .56565 | 29.618 | 6.8138 | 16.485 | 3.4312 | .11494 | 1.0912 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00003 | 34.146 | .00260 | .00125 | .00258 | 1.0272 | .09342 | 10.010 |
| #2 | -.00006 | 34.420 | .00170 | .00114 | .00326 | .97853 | .09326 | 10.166 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00142 | .00041 | 18.491 | .00147 | .00841 | 2.0372 | .00225 | .01980 |
| Stddev | .00079 | .00052 | .243   | .00078 | .00006 | .0312  | .00021 | .00537 |
| %RSD   | 55.544 | 124.97 | 1.3143 | 53.218 | .66322 | 1.5299 | 9.4536 | 27.151 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00198 | .00005 | 18.319 | .00092 | .00845 | 2.0151 | .00240 | .02360 |
| #2 | .00086 | .00078 | 18.662 | .00202 | .00837 | 2.0592 | .00210 | .01599 |

|        |          |        |         |        |         |        |        |        |
|--------|----------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 11.562 | 3.5185 | -.00728 | .04462 | -.00735 | .0328  | .29791 | 4.5900 |
| Stddev | .027     | .0781  | .00003  | .00557 | .00272  | .0015  | .00448 | .1456  |
| %RSD   | .23659   | 2.2199 | .42831  | 12.486 | 37.006  | 4.454  | 1.5036 | 3.1721 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 11.542 | 3.4632 | -.00730 | .04068 | -.00927 | .0318 | .29475 | 4.4871 |
| #2 | 11.581 | 3.5737 | -.00725 | .04856 | -.00543 | .0338 | .30108 | 4.6930 |

Sample Name: J5540-01LX5      Acquired: 10/17/2018 14:56:02      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .60589 |
| Stddev | .15312 |
| %RSD   | 25.273 |

|    |        |
|----|--------|
| #1 | .71417 |
| #2 | .49761 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2987.9 | 42314. | 4099.8 | 89.963 | 3176.5 |
| Stddev    | 8.1    | 53.    | 61.8   | .745   | 19.7   |
| %RSD      | .27169 | .12485 | 1.5067 | .82777 | .62003 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2993.6 | 42351. | 4143.4 | 89.437 | 3190.4 |
| #2 | 2982.1 | 42276. | 4056.1 | 90.490 | 3162.6 |

Sample Name: J5540-01MS      Acquired: 10/17/2018 15:00:03      Type: Unk  
Method: P4-ICP2(v2504)      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    | .88652   | 2.3042   | 1.2132 | 2.5120 | 1.0872 | 8.6817 | .55056 | .25330 |
| Stddev | .00791   | .0037    | .0041  | .0001  | .0026  | .0022  | .00375 | .00169 |
| %RSD   | .89186   | .15845   | .33554 | .00353 | .23897 | .02592 | .68072 | .66680 |
| #1     | .89211   | 2.3068   | 1.2161 | 2.5121 | 1.0890 | 8.6801 | .54791 | .25449 |
| #2     | .88093   | 2.3016   | 1.2103 | 2.5120 | 1.0853 | 8.6833 | .55321 | .25210 |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23550   | 167.11   | .44069 | .25635 | .38116 | 8.2997 | .68827 | 50.708 |
| Stddev | .00022   | 1.24     | .00709 | .00065 | .00016 | .0013  | .00747 | .602   |
| %RSD   | .09315   | .74341   | 1.6092 | .25493 | .04067 | .01523 | 1.0855 | 1.1868 |
| #1     | .23566   | 166.23   | .44570 | .25681 | .38105 | 8.2988 | .69355 | 50.283 |
| #2     | .23534   | 167.99   | .43568 | .25589 | .38127 | 8.3006 | .68299 | 51.134 |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .57629   | .06734   | 95.415 | .33272 | .26256 | 20.699 | .48129 | .45040 |
| Stddev | .00131   | .00114   | .663   | .00407 | .00096 | .249   | .00067 | .00825 |
| %RSD   | .22661   | 1.6989   | .69464 | 1.2225 | .36584 | 1.2020 | .13940 | 1.8325 |
| #1     | .57721   | .06814   | 94.946 | .33560 | .26188 | 20.523 | .48176 | .44456 |
| #2     | .57537   | .06653   | 95.883 | .32985 | .26324 | 20.875 | .48081 | .45623 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 58.245 | F 17.828 | .72929 | .43148 | .27136 | 7.328  | 1.6998 | 7.8363 |
| Stddev | .038     | .203     | .00301 | .00947 | .00315 | .001   | .0124  | .0721  |
| %RSD   | .06531   | 1.1387   | .41336 | 2.1946 | 1.1598 | .0159  | .72658 | .92004 |
| #1     | 58.272   | 17.684   | .73142 | .42479 | .26914 | 7.328  | 1.6910 | 7.7853 |
| #2     | 58.219   | 17.971   | .72715 | .43818 | .27359 | 7.327  | 1.7085 | 7.8873 |

Sample Name: J5540-01MS      Acquired: 10/17/2018 15:00:03      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .89748 |
| Stddev | .27020 |
| %RSD   | 30.106 |

|    |        |
|----|--------|
| #1 | 1.0885 |
| #2 | .70642 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2791.0 | 39334. | 3917.9 | 83.703 | 2861.5 |
| Stddev    | 28.3   | 549.   | 12.2   | .253   | 27.1   |
| %RSD      | 1.0125 | 1.3969 | .31242 | .30187 | .94696 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2771.0 | 38945. | 3926.6 | 83.524 | 2842.4 |
| #2 | 2811.0 | 39722. | 3909.3 | 83.882 | 2880.7 |

Sample Name: J5540-01MSD      Acquired: 10/17/2018 15:03:52      Type: Unk  
Method: P4-ICP2(v2504)      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    | .88476 | 2.2886 | 1.2132 | 2.4940 | 1.0748 | 8.6721 | .54904 | .25020 |
| Stddev | .00087 | .0131  | .0015  | .0132  | .0004  | .0700  | .00285 | .00092 |
| %RSD   | .09888 | .57069 | .12221 | .52716 | .03845 | .80767 | .51972 | .36781 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .88414 | 2.2794 | 1.2142 | 2.4847 | 1.0745 | 8.6226 | .55106 | .24955 |
| #2 | .88538 | 2.2978 | 1.2121 | 2.5033 | 1.0751 | 8.7217 | .54702 | .25085 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23483 | 166.26 | .43241 | .25512 | .37785 | 8.0652 | .68156 | 50.330 |
| Stddev | .00030 | 1.27   | .00008 | .00041 | .00094 | .1727  | .00161 | .126   |
| %RSD   | .12857 | .76586 | .01790 | .16129 | .24978 | 2.1412 | .23590 | .25026 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23462 | 167.16 | .43235 | .25483 | .37719 | 7.9431 | .68043 | 50.419 |
| #2 | .23505 | 165.36 | .43246 | .25541 | .37852 | 8.1874 | .68270 | 50.241 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .57221 | .06609 | 94.982 | .32761 | .25312 | 20.528 | .47715 | .44235 |
| Stddev | .00061 | .00080 | .488   | .00270 | .00418 | .053   | .00329 | .00484 |
| %RSD   | .10689 | 1.2068 | .51330 | .82332 | 1.6496 | .25658 | .68922 | 1.0933 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .57177 | .06552 | 95.327 | .32570 | .25017 | 20.565 | .47483 | .43893 |
| #2 | .57264 | .06665 | 94.638 | .32951 | .25607 | 20.491 | .47948 | .44577 |

|        |          |          |        |        |        |        |        |        |
|--------|----------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 58.095 | F 17.841 | .72443 | .42094 | .26792 | 7.317  | 1.6928 | 7.0257 |
| Stddev | .205     | .384     | .00078 | .00634 | .00054 | .013   | .0083  | .0209  |
| %RSD   | .35339   | 2.1536   | .10776 | 1.5050 | .20125 | .1834  | .48825 | .29766 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 58.240 | 18.113 | .72388 | .41646 | .26830 | 7.307 | 1.6987 | 7.0404 |
| #2 | 57.950 | 17.569 | .72498 | .42542 | .26754 | 7.326 | 1.6870 | 7.0109 |



Sample Name: J5540-01MSD      Acquired: 10/17/2018 15:03:52      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .68559 |
| Stddev | .56347 |
| %RSD   | 82.188 |

|    |        |
|----|--------|
| #1 | .28716 |
| #2 | 1.0840 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2806.3 | 39804. | 3952.6 | 86.811 | 2871.4 |
| Stddev    | 14.0   | 141.   | 53.0   | .754   | 13.0   |
| %RSD      | .49741 | .35493 | 1.3413 | .86818 | .45361 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2796.4 | 39904. | 3915.1 | 87.344 | 2862.2 |
| #2 | 2816.2 | 39704. | 3990.0 | 86.278 | 2880.6 |

Sample Name: J5540-01A      Acquired: 10/17/2018 15:07:39      Type: Unk  
Method: P4-ICP2(v2504)      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    | .87841   | 2.2736   | 1.2072 | 2.4842 | 1.0824 | 8.7775 | .54273 | .25163 |
| Stddev | .00291   | .0059    | .0046  | .0006  | .0026  | .1501  | .00704 | .00103 |
| %RSD   | .33071   | .25918   | .37691 | .02595 | .24320 | 1.7103 | 1.2980 | .40909 |
| #1     | .87635   | 2.2694   | 1.2040 | 2.4846 | 1.0843 | 8.8837 | .53775 | .25236 |
| #2     | .88046   | 2.2778   | 1.2105 | 2.4837 | 1.0806 | 8.6714 | .54771 | .25090 |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23350   | 165.01   | .43371 | .25271 | .37705 | 8.0771 | .68564 | 50.170 |
| Stddev | .00100   | 1.63     | .00065 | .00105 | .00003 | .2150  | .00104 | .562   |
| %RSD   | .42866   | .98859   | .14953 | .41600 | .00743 | 2.6621 | .15209 | 1.1202 |
| #1     | .23280   | 163.86   | .43417 | .25196 | .37707 | 7.9250 | .68491 | 49.773 |
| #2     | .23421   | 166.17   | .43325 | .25345 | .37703 | 8.2291 | .68638 | 50.568 |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .57064   | .06685   | 94.568 | .32867 | .25571 | 20.457 | .47419 | .44717 |
| Stddev | .00250   | .00057   | 1.071  | .00009 | .00992 | .176   | .00004 | .02714 |
| %RSD   | .43754   | .85983   | 1.1330 | .02755 | 3.8778 | .85803 | .00848 | 6.0693 |
| #1     | .56888   | .06645   | 93.810 | .32861 | .24870 | 20.333 | .47416 | .42797 |
| #2     | .57241   | .06726   | 95.326 | .32874 | .26272 | 20.581 | .47422 | .46636 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 58.008 | F 17.640 | .72057 | .43020 | .26682 | 7.304  | 1.6877 | 7.3650 |
| Stddev | .278     | .484     | .00576 | .00577 | .00069 | .022   | .0180  | .0832  |
| %RSD   | .47930   | 2.7437   | .79941 | 1.3404 | .25679 | .2955  | 1.0636 | 1.1296 |
| #1     | 57.811   | 17.298   | .71650 | .42613 | .26730 | 7.289  | 1.6750 | 7.3062 |
| #2     | 58.204   | 17.983   | .72464 | .43428 | .26634 | 7.319  | 1.7004 | 7.4239 |

Sample Name: J5540-01A      Acquired: 10/17/2018 15:07:39      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .97831 |
| Stddev | .20707 |
| %RSD   | 21.166 |

|    |        |
|----|--------|
| #1 | 1.1247 |
| #2 | .83190 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2809.8 | 39427. | 3972.1 | 86.126 | 2882.9 |
| Stddev    | 12.2   | 211.   | 61.2   | 3.069  | .5     |
| %RSD      | .43507 | .53641 | 1.5398 | 3.5633 | .01714 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2801.2 | 39277. | 4015.3 | 88.296 | 2883.2 |
| #2 | 2818.5 | 39576. | 3928.8 | 83.956 | 2882.5 |

Sample Name: J5540-02      Acquired: 10/17/2018 16:00:02      Type: Unk  
Method: P4-ICP2(v2504)      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    | .00348 | -.00110 | .00296 | .02093 | .00207 | .21088 | .20306 | -.00026 |
| Stddev | .00407 | .00146  | .00101 | .00041 | .00134 | .00208 | .00189 | .00001  |
| %RSD   | 117.13 | 132.92  | 34.003 | 1.9752 | 64.843 | .98647 | .93151 | 4.5223  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .00636 | -.00214 | .00225 | .02122 | .00302 | .21235 | .20172 | -.00027 |
| #2 | .00060 | -.00007 | .00367 | .02064 | .00112 | .20941 | .20439 | -.00026 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00011 | 160.27 | .00474 | .00110 | .00638 | .17896 | .18812 | 45.342 |
| Stddev | .00005  | .11    | .00012 | .00023 | .00036 | .00792 | .00070 | .148   |
| %RSD   | 49.754  | .06819 | 2.6205 | 21.229 | 5.6695 | 4.4269 | .36997 | .32607 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00007 | 160.34 | .00483 | .00126 | .00613 | .18456 | .18861 | 45.238 |
| #2 | -.00015 | 160.19 | .00465 | .00093 | .00664 | .17336 | .18762 | 45.447 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00033 | .00013 | 78.512 | .00079 | .01524 | 7.7646 | .01014 | .10254 |
| Stddev | .00062 | .00027 | .137   | .00070 | .00001 | .0163  | .00028 | .00589 |
| %RSD   | 185.70 | 203.59 | .17500 | 87.946 | .09371 | .20941 | 2.7337 | 5.7400 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00077  | .00032  | 78.415 | .00129 | .01525 | 7.7761 | .01034 | .09838 |
| #2 | -.00010 | -.00006 | 78.609 | .00030 | .01523 | 7.7531 | .00995 | .10670 |

|        |          |        |         |        |        |        |        |        |
|--------|----------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 57.539 | 8.0100 | -.02482 | .00819 | .00848 | .0447  | 1.2544 | 7.1776 |
| Stddev | .443     | .0300  | .00063  | .00144 | .00101 | .0007  | .0017  | .0444  |
| %RSD   | .77070   | .37426 | 2.5529  | 17.572 | 11.850 | 1.626  | .13800 | .61851 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 57.225 | 8.0312 | -.02437 | .00717 | .00777 | .0441 | 1.2532 | 7.2090 |
| #2 | 57.853 | 7.9888 | -.02527 | .00921 | .00919 | .0452 | 1.2556 | 7.1462 |

Sample Name: J5540-02      Acquired: 10/17/2018 16:00:02      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .72416  
Stddev      .26867  
%RSD      37.101

#1      .91414  
#2      .53419

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2710.9 | 40038. | 3982.4 | 88.865 | 2896.8 |
| Stddev    | 10.9   | 9.     | 12.4   | .293   | 3.4    |
| %RSD      | .40372 | .02309 | .31261 | .32934 | .11713 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2703.2 | 40031. | 3973.6 | 88.658 | 2894.4 |
| #2 | 2718.7 | 40044. | 3991.2 | 89.072 | 2899.2 |

Sample Name: PB113621BL      Acquired: 10/17/2018 16:04:03      Type: Unk  
Method: P4-ICP2(v2504)      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    | -.00261 | .00128 | -.00316 | -.00190 | .00434 | -.01242 | -.00389 |
| Stddev | .00027  | .00115 | .00037  | .00386  | .00011 | .00583  | .00057  |
| %RSD   | 10.421  | 89.752 | 11.739  | 203.15  | 2.5060 | 46.956  | 14.581  |

|    |         |        |         |         |        |         |         |
|----|---------|--------|---------|---------|--------|---------|---------|
| #1 | -.00280 | .00209 | -.00290 | .00083  | .00441 | -.00830 | -.00429 |
| #2 | -.00242 | .00047 | -.00342 | -.00463 | .00426 | -.01655 | -.00349 |

|        |         |         |        |         |        |         |         |
|--------|---------|---------|--------|---------|--------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00026 | -.00004 | .00110 | -.00022 | .00076 | -.00007 | -.00078 |
| Stddev | .00001  | .00005  | .03667 | .00034  | .00008 | .00023  | .00064  |
| %RSD   | 5.1450  | 120.64  | 3343.5 | 155.55  | 10.999 | 322.09  | 81.557  |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.00025 | -.00001 | .02703  | -.00046 | .00071 | .00009  | -.00124 |
| #2 | -.00027 | -.00008 | -.02483 | .00002  | .00082 | -.00024 | -.00033 |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00032 | -.04908 | .00106 | .00039 | -.27301 | -.00016 | -.00130 |
| Stddev | .00011  | .00030  | .00037 | .00001 | .00044  | .00035  | .00011  |
| %RSD   | 33.741  | .62064  | 34.629 | 3.6370 | .15937  | 223.30  | 8.5529  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00025 | -.04929 | .00080 | .00038 | -.27270 | .00009  | -.00122 |
| #2 | -.00040 | -.04886 | .00132 | .00040 | -.27331 | -.00040 | -.00138 |

|        |        |         |         |        |        |         |        |
|--------|--------|---------|---------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .03007 | -.00011 | -.00654 | .00421 | .02544 | -.00524 | .00358 |
| Stddev | .02229 | .00017  | .00554  | .00966 | .00311 | .00001  | .00151 |
| %RSD   | 74.125 | 151.82  | 84.680  | 229.55 | 12.232 | .26236  | 42.069 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .01431 | -.00023 | -.00262 | .01103  | .02324 | -.00525 | .00252 |
| #2 | .04583 | .00001  | -.01045 | -.00262 | .02764 | -.00523 | .00465 |

Sample Name: PB113621BL      Acquired: 10/17/2018 16:04:03      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |           |        |        |          |          |
|--------|-----------|--------|--------|----------|----------|
| Elem   | Li6707    | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm       | ppm    | ppm    | ppm      | ppm      |
| Avg    | F -.01326 | -.0029 | .00015 | F 3.5614 | F<.00000 |
| Stddev | .00017    | .0089  | .00005 | .2304    | .06380   |
| %RSD   | 1.3022    | 302.6  | 37.262 | 6.4684   | 6.8312   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.01338 | .0034  | .00018 | 3.7243 | -.97910 |
| #2 | -.01314 | -.0092 | .00011 | 3.3985 | -.88887 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2905.4 | 42778. | 4030.4 | 90.183 | 3244.2 |
| Stddev    | 26.9   | 640.   | 46.0   | 2.157  | 32.5   |
| %RSD      | .92443 | 1.4961 | 1.1406 | 2.3914 | 1.0023 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2886.4 | 42326. | 3997.9 | 88.658 | 3221.2 |
| #2 | 2924.4 | 43231. | 4062.9 | 91.708 | 3267.1 |

Sample Name: CCV05      Acquired: 10/17/2018 16:08:07      Type: Unk  
Method: P4-ICP2(v2504)      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    | 4.8449 | 5.1303 | 5.2778   | 5.2701 | 4.7337 | 9.2878 | 10.641 | .27274 |
| Stddev | .0833  | .0454  | .0364    | .0509  | .0600  | .2759  | .640   | .00793 |
| %RSD   | 1.7196 | .88433 | .68948   | .96609 | 1.2681 | 2.9703 | 6.0156 | 2.9074 |
| #1     | 4.9038 | 5.1624 | 5.3035   | 5.3061 | 4.7761 | 9.4828 | 11.093 | .27835 |
| #2     | 4.7860 | 5.0982 | 5.2520   | 5.2341 | 4.6912 | 9.0927 | 10.188 | .26714 |
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6346 | 27.460 | .91812   | 2.6379 | 1.3723 | 4.6611 | 2.6933 | 24.096 |
| Stddev | .0256  | 1.573  | .02677   | .0242  | .0144  | .1518  | .0787  | 1.456  |
| %RSD   | .97035 | 5.7283 | 2.9162   | .91853 | 1.0517 | 3.2571 | 2.9216 | 6.0418 |
| #1     | 2.6527 | 28.573 | .93705   | 2.6551 | 1.3825 | 4.7684 | 2.7490 | 25.126 |
| #2     | 2.6165 | 26.348 | .89918   | 2.6208 | 1.3621 | 4.5537 | 2.6377 | 23.067 |
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5091 | 1.2411 | 24.066   | 2.5366 | 2.3438 | 22.730 | 4.9236 | 4.9600 |
| Stddev | .0245  | .0327  | 1.454    | .0758  | .0679  | 1.301  | .0562  | .2608  |
| %RSD   | .97771 | 2.6313 | 6.0424   | 2.9880 | 2.8963 | 5.7233 | 1.1420 | 5.2586 |
| #1     | 2.5264 | 1.2642 | 25.094   | 2.5901 | 2.3918 | 23.650 | 4.9634 | 5.1445 |
| #2     | 2.4917 | 1.2180 | 23.038   | 2.4830 | 2.2958 | 21.810 | 4.8839 | 4.7756 |
| Elem   | S_1820 | Si2881 | Sn1899   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0122 | 5.4502 | F 4.4835 | 5.3134 | 5.4502 | 5.282  | 5.2287 | 5.3034 |
| Stddev | .0513  | .3238  | .0394    | .3224  | .3294  | .043   | .3175  | .7873  |
| %RSD   | 1.0235 | 5.9405 | .87763   | 6.0672 | 6.0433 | .8053  | 6.0716 | 14.846 |
| #1     | 5.0485 | 5.6792 | 4.5113   | 5.5413 | 5.6831 | 5.312  | 5.4532 | 5.8601 |
| #2     | 4.9759 | 5.2213 | 4.4557   | 5.0854 | 5.2173 | 5.252  | 5.0042 | 4.7467 |



Sample Name: CCV05      Acquired: 10/17/2018 16:08:07      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .76848  
Stddev      .70044  
%RSD      91.146

#1      .27319  
#2      1.2638

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2734.1 | 39646. | 3891.3 | 85.084 | 2869.9 |
| Stddev    | 38.4   | 1075.  | 225.9  | 2.722  | 35.2   |
| %RSD      | 1.4033 | 2.7106 | 5.8055 | 3.1991 | 1.2257 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2707.0 | 38886. | 3731.5 | 83.159 | 2845.0 |
| #2 | 2761.2 | 40406. | 4051.0 | 87.008 | 2894.7 |

Sample Name: CCB05      Acquired: 10/17/2018 16:11:50      Type: Unk  
Method: P4-ICP2(v2504)      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    | .00095 | .00122 | -.00289 | .00286 | .00301 | .02771 | -.00225 |
| Stddev | .00294 | .00198 | .00139  | .00173 | .00127 | .00122 | .00008  |
| %RSD   | 310.79 | 162.19 | 47.915  | 60.323 | 42.255 | 4.4054 | 3.4609  |

|    |         |         |         |        |        |        |         |
|----|---------|---------|---------|--------|--------|--------|---------|
| #1 | .00303  | -.00018 | -.00191 | .00164 | .00211 | .02857 | -.00220 |
| #2 | -.00113 | .00262  | -.00387 | .00409 | .00390 | .02685 | -.00231 |

|        |         |        |         |        |        |         |        |
|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00031 | .00004 | -.01854 | .00018 | .00095 | -.00015 | .01052 |
| Stddev | .00000  | .00010 | .00881  | .00005 | .00017 | .00060  | .01935 |
| %RSD   | 1.1872  | 243.84 | 47.504  | 28.790 | 17.995 | 391.85  | 184.01 |

|    |         |         |         |        |        |         |         |
|----|---------|---------|---------|--------|--------|---------|---------|
| #1 | -.00032 | -.00003 | -.02477 | .00014 | .00082 | .00027  | -.00317 |
| #2 | -.00031 | .00011  | -.01231 | .00022 | .00107 | -.00057 | .02420  |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00028 | -.02586 | .00076 | .00061 | -.28997 | -.00075 | -.00129 |
| Stddev | .00004  | .04947  | .00008 | .00059 | .00231  | .00030  | .00006  |
| %RSD   | 15.814  | 191.34  | 10.001 | 96.313 | .79514  | 40.226  | 4.6025  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00031 | -.06084 | .00081 | .00020 | -.28834 | -.00096 | -.00133 |
| #2 | -.00025 | .00913  | .00070 | .00103 | -.29160 | -.00054 | -.00124 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .03407 | .00029 | .00193 | -.01095 | .01730 | -.00310 | .00406 |
| Stddev | .04902 | .00001 | .00661 | .00878  | .00434 | .00037  | .00042 |
| %RSD   | 143.85 | 2.0417 | 343.24 | 80.151  | 25.059 | 12.050  | 10.283 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | .06873  | .00029 | -.00275 | -.01716 | .01424 | -.00284 | .00377 |
| #2 | -.00058 | .00029 | .00660  | -.00474 | .02037 | -.00337 | .00436 |

Sample Name: CCB05      Acquired: 10/17/2018 16:11:50      Type: Unk  
 Method: P4-ICP2(v2504)      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    | -.01393 | -.0027 | .00023 | F 3.8631 | F<.00000 |
| Stddev | .00058  | .0103  | .00003 | .1670    | .35199   |
| %RSD   | 4.1572  | 377.6  | 14.303 | 4.3236   | 82.130   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.01434 | -.0100 | .00021 | 3.7450 | -.67747 |
| #2 | -.01352 | .0046  | .00026 | 3.9812 | -.17968 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2872.7 | 42173. | 4037.0 | 91.175 | 3213.7 |
| Stddev    | 13.4   | 20.    | 9.5    | 1.897  | 29.4   |
| %RSD      | .46812 | .04692 | .23630 | 2.0811 | .91511 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2863.2 | 42159. | 4030.2 | 92.517 | 3192.9 |
| #2 | 2882.2 | 42187. | 4043.7 | 89.833 | 3234.5 |

Sample Name: PB113621BS      Acquired: 10/17/2018 16:35:06      Type: Unk  
Method: P4-ICP2(v2504)      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    | .68408 | 1.9201 | .96196 | 2.0860 | .90424 | 2.0680 | .19539 |
| Stddev | .01106 | .0493  | .02468 | .0505  | .02103 | .0211  | .00006 |
| %RSD   | 1.6168 | 2.5672 | 2.5652 | 2.4191 | 2.3255 | 1.0186 | .03325 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .67626 | 1.8852 | .94451 | 2.0503 | .88937 | 2.0829 | .19535 |
| #2 | .69190 | 1.9549 | .97941 | 2.1217 | .91911 | 2.0531 | .19544 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20056 | .19052 | 1.0702 | .33176 | .20752 | .32270 | 2.5187 |
| Stddev | .00070 | .00512 | .0379  | .00014 | .00569 | .00734 | .0377  |
| %RSD   | .35047 | 2.6890 | 3.5362 | .04334 | 2.7413 | 2.2738 | 1.4947 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20106 | .18689 | 1.0970 | .33187 | .20350 | .31751 | 2.4921 |
| #2 | .20006 | .19414 | 1.0435 | .33166 | .21154 | .32788 | 2.5454 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20222 | 1.7301 | .46654 | .07539 | 2.4236 | .27412 | .17013 |
| Stddev | .00012 | .0754  | .01264 | .00023 | .0144  | .00030 | .00595 |
| %RSD   | .05864 | 4.3560 | 2.7103 | .30939 | .59297 | .10906 | 3.4971 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20214 | 1.7834 | .45760 | .07556 | 2.4337 | .27391 | .16593 |
| #2 | .20231 | 1.6768 | .47548 | .07523 | 2.4134 | .27433 | .17434 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 8.3307 | .36928 | .27248 | F -.02367 | .95908 | .56569 | .19880 |
| Stddev | .0171  | .00739 | .00353 | .00062    | .00142 | .01641 | .00282 |
| %RSD   | .20587 | 2.0018 | 1.2964 | 2.6107    | .14830 | 2.9003 | 1.4162 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 8.3429 | .36406 | .26999 | -.02324 | .96008 | .55409 | .20079 |
| #2 | 8.3186 | .37451 | .27498 | -.02411 | .95807 | .57729 | .19681 |

Sample Name: PB113621BS      Acquired: 10/17/2018 16:35:06      Type: Unk  
Method: P4-ICP2(v2504)      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    | .18886 | 5.335  | .18938 | F 3.7703 | F<.00000 |
| Stddev | .00219 | .136   | .00138 | .0574    | .18881   |
| %RSD   | 1.1582 | 2.549  | .72801 | 1.5218   | 8.2505   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .19041 | 5.239 | .19036 | 3.8109 | -2.4220 |
| #2 | .18732 | 5.431 | .18841 | 3.7297 | -2.1550 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2785.5 | 41357. | 3949.9 | 90.913 | 3100.3 |
| Stddev    | 16.1   | 107.   | 16.6   | 1.597  | 25.4   |
| %RSD      | .57804 | .25947 | .41972 | 1.7565 | .82032 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2796.9 | 41281. | 3938.1 | 92.042 | 3118.3 |
| #2 | 2774.1 | 41433. | 3961.6 | 89.783 | 3082.3 |

Sample Name: PB113723BL      Acquired: 10/17/2018 16:38:57      Type: Unk  
Method: P4-ICP2(v2504)      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    | -.00155 | .00101 | -.00201 | -.00072 | -.00049 | -.00346 | -.00248 |
| Stddev | .00117  | .00079 | .00092  | .00014  | .00035  | .00576  | .00127  |
| %RSD   | 75.576  | 78.378 | 45.710  | 20.064  | 72.805  | 166.61  | 51.243  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00237 | .00045 | -.00265 | -.00082 | -.00024 | .00062  | -.00338 |
| #2 | -.00072 | .00157 | -.00136 | -.00061 | -.00073 | -.00754 | -.00158 |

|        |         |        |        |         |         |         |        |
|--------|---------|--------|--------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00006 | .00010 | .01266 | -.00034 | -.00001 | -.00014 | .00670 |
| Stddev | .00000  | .00009 | .00815 | .00031  | .00011  | .00030  | .00201 |
| %RSD   | 6.1086  | 90.246 | 64.379 | 89.370  | 1780.4  | 216.58  | 29.952 |

|    |         |        |        |         |         |         |        |
|----|---------|--------|--------|---------|---------|---------|--------|
| #1 | -.00006 | .00004 | .00690 | -.00013 | -.00009 | -.00036 | .00812 |
| #2 | -.00005 | .00016 | .01843 | -.00056 | .00007  | .00007  | .00528 |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00038 | -.00028 | .00070 | .00069 | -.29469 | -.00027 | -.00165 |
| Stddev | .00004  | .00855  | .00069 | .00016 | .00133  | .00033  | .00006  |
| %RSD   | 10.522  | 3038.1  | 98.930 | 22.436 | .45201  | 121.85  | 3.7020  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00041 | .00576  | .00119 | .00058 | -.29375 | -.00051 | -.00161 |
| #2 | -.00035 | -.00633 | .00021 | .00080 | -.29563 | -.00004 | -.00170 |

|        |         |        |         |           |        |         |        |
|--------|---------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.02699 | .00001 | -.00635 | F -.01448 | .01578 | -.00518 | .00487 |
| Stddev | .00067  | .00006 | .00106  | .00188    | .00392 | .00037  | .00107 |
| %RSD   | 2.4829  | 551.26 | 16.689  | 12.989    | 24.855 | 7.0907  | 22.001 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.02652 | -.00003 | -.00560 | -.01580 | .01856 | -.00544 | .00411 |
| #2 | -.02747 | .00005  | -.00709 | -.01315 | .01301 | -.00492 | .00562 |

Sample Name: PB113723BL      Acquired: 10/17/2018 16:38:57      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |           |        |         |          |          |
|--------|-----------|--------|---------|----------|----------|
| Elem   | Li6707    | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm       | ppm    | ppm     | ppm      | ppm      |
| Avg    | F -.01446 | -.0094 | -.00002 | F 4.3368 | F<.00000 |
| Stddev | .00156    | .0007  | .00004  | .3723    | .39296   |
| %RSD   | 10.806    | 7.176  | 287.30  | 8.5856   | 76.213   |

|    |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|
| #1 | -.01335 | -.0098 | .00002  | 4.6001 | -.23775 |
| #2 | -.01556 | -.0089 | -.00005 | 4.0735 | -.79348 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2853.2 | 42217. | 3986.0 | 90.813 | 3207.8 |
| Stddev    | 15.5   | 192.   | 35.3   | .359   | 14.2   |
| %RSD      | .54184 | .45383 | .88465 | .39581 | .44261 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2842.2 | 42082. | 3961.1 | 90.558 | 3197.8 |
| #2 | 2864.1 | 42353. | 4010.9 | 91.067 | 3217.9 |

Sample Name: PB113723BS      Acquired: 10/17/2018 16:43:01      Type: Unk  
Method: P4-ICP2(v2504)      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    | .72882 | 2.0602 | 1.0355 | 2.2342 | .95593 | 2.1550 | .20652 |
| Stddev | .01385 | .0461  | .0233  | .0448  | .01564 | .0254  | .00087 |
| %RSD   | 1.8999 | 2.2379 | 2.2478 | 2.0037 | 1.6365 | 1.1789 | .42341 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .71902 | 2.0276 | 1.0190 | 2.2026 | .94487 | 2.1370 | .20714 |
| #2 | .73861 | 2.0928 | 1.0519 | 2.2659 | .96699 | 2.1729 | .20590 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21487 | .20576 | 1.1247 | .35546 | .22371 | .34482 | 2.6769 |
| Stddev | .00156 | .00406 | .0398  | .00226 | .00528 | .00731 | .0248  |
| %RSD   | .72645 | 1.9724 | 3.5370 | .63498 | 2.3609 | 2.1199 | .92638 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21376 | .20289 | 1.1528 | .35386 | .21998 | .33965 | 2.6594 |
| #2 | .21597 | .20863 | 1.0965 | .35705 | .22744 | .34999 | 2.6944 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21617 | 1.8521 | .50139 | .08057 | 2.5693 | .29693 | .18933 |
| Stddev | .00178 | .0701  | .00830 | .00092 | .0026  | .00144 | .00706 |
| %RSD   | .82434 | 3.7858 | 1.6554 | 1.1387 | .10027 | .48396 | 3.7264 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21491 | 1.8025 | .49552 | .07992 | 2.5675 | .29591 | .18434 |
| #2 | .21743 | 1.9016 | .50726 | .08122 | 2.5711 | .29794 | .19432 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 8.7620 | .39217 | .28331 | F -.02146 | 1.0384 | .60403 | .20935 |
| Stddev | .0309  | .00694 | .01404 | .00024    | .0052  | .01333 | .00317 |
| %RSD   | .35248 | 1.7697 | 4.9566 | 1.1276    | .50081 | 2.2064 | 1.5158 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 8.7401 | .38726 | .27338 | -.02129 | 1.0421 | .59461 | .21160 |
| #2 | 8.7838 | .39708 | .29324 | -.02163 | 1.0347 | .61345 | .20711 |



Sample Name: PB113723BS      Acquired: 10/17/2018 16:43:01      Type: Unk  
 Method: P4-ICP2(v2504)      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    | .20098 | 5.736  | .19948 | F 3.7070 | F<.00000 |
| Stddev | .00131 | .125   | .00098 | .2595    | .06915   |
| %RSD   | .65097 | 2.174  | .48896 | 6.9990   | 2.9606   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20190 | 5.648 | .20017 | 3.5235 | -2.2867 |
| #2 | .20005 | 5.824 | .19879 | 3.8904 | -2.3845 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2860.0 | 41831. | 3941.8 | 90.000 | 3175.0 |
| Stddev    | 15.6   | 144.   | 13.4   | 1.084  | 10.3   |
| %RSD      | .54405 | .34429 | .33953 | 1.2047 | .32543 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2849.0 | 41729. | 3932.4 | 90.767 | 3167.7 |
| #2 | 2871.0 | 41933. | 3951.3 | 89.233 | 3182.3 |

Sample Name: J5383-01      Acquired: 10/17/2018 16:46:51      Type: Unk  
Method: P4-ICP2(v2504)      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    | .00483 | .00270 | -.00398 | -.00371 | -.00448 | -.00530 | .01010 | .00004 |
| Stddev | .00358 | .00061 | .00112  | .00276  | .00032  | .00029  | .00141 | .00012 |
| %RSD   | 74.042 | 22.646 | 28.022  | 74.331  | 7.1622  | 5.5471  | 13.973 | 278.84 |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00737 | .00313 | -.00319 | -.00566 | -.00471 | -.00509 | .01109 | -.00004 |
| #2 | .00230 | .00226 | -.00477 | -.00176 | -.00426 | -.00551 | .00910 | .00013  |

|        |         |        |         |        |        |         |        |        |
|--------|---------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00012 | 28.893 | -.00035 | .00013 | .00079 | -.00812 | .00011 | 10.924 |
| Stddev | .00009  | .061   | .00013  | .00021 | .00008 | .00642  | .00010 | .120   |
| %RSD   | 74.096  | .20965 | 36.766  | 170.08 | 10.071 | 79.052  | 91.599 | 1.0998 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00006 | 28.850 | -.00045 | -.00003 | .00085 | -.01265 | .00019 | 10.839 |
| #2 | -.00018 | 28.936 | -.00026 | .00028  | .00074 | -.00358 | .00004 | 11.009 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00102 | .00128 | 70.627 | .00042 | -.00155 | 3.2509 | -.00008 | .02924 |
| Stddev | .00024 | .00004 | .074   | .00012 | .00004  | .0022  | .00017  | .00042 |
| %RSD   | 22.938 | 2.8906 | .10432 | 28.371 | 2.5217  | .06722 | 225.41  | 1.4255 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00119 | .00130 | 70.679 | .00051 | -.00152 | 3.2493 | -.00020 | .02895 |
| #2 | .00086 | .00125 | 70.575 | .00034 | -.00158 | 3.2524 | .00005  | .02954 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.7978 | 1.2057 | -.00749 | .00165 | -.01725 | .0446  | .14877 | 4.7014 |
| Stddev | .1172  | .0001  | .00021  | .00065 | .00294  | .0013  | .00093 | .0480  |
| %RSD   | 1.5031 | .00968 | 2.8314  | 39.527 | 17.023  | 2.901  | .62675 | 1.0200 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 7.7149 | 1.2058 | -.00764 | .00119 | -.01933 | .0437 | .14811 | 4.6675 |
| #2 | 7.8806 | 1.2057 | -.00734 | .00212 | -.01517 | .0456 | .14943 | 4.7353 |

Sample Name: J5383-01      Acquired: 10/17/2018 16:46:51      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.2781  
Stddev      .4501  
%RSD      35.216

#1      1.5963  
#2      .95981

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3028.0 | 44022. | 4281.6 | 97.120 | 3346.3 |
| Stddev    | 55.6   | 177.   | 24.2   | 1.327  | 45.5   |
| %RSD      | 1.8374 | .40166 | .56475 | 1.3662 | 1.3610 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3067.4 | 43897. | 4298.7 | 96.182 | 3378.5 |
| #2 | 2988.7 | 44148. | 4264.5 | 98.058 | 3314.1 |

Sample Name: J5383-01DUP      Acquired: 10/17/2018 16:50:53      Type: Unk  
Method: P4-ICP2(v2504)      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    | .00429 | .00183 | -.00429 | -.00195 | -.00282 | -.01218 | .01041 | -.00000 |
| Stddev | .00317 | .00101 | .00003  | .00146  | .00211  | .00200  | .00049 | .00005  |
| %RSD   | 73.758 | 54.962 | .68702  | 74.684  | 74.793  | 16.429  | 4.7102 | 3483.0  |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00653 | .00254 | -.00432 | -.00298 | -.00133 | -.01076 | .01007 | .00004  |
| #2 | .00205 | .00112 | -.00427 | -.00092 | -.00431 | -.01359 | .01076 | -.00004 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00000 | 28.690 | -.00031 | -.00009 | .00102 | -.00506 | .00012 | 11.039 |
| Stddev | .00003  | .220   | .00023  | .00016  | .00033 | .00461  | .00002 | .029   |
| %RSD   | 762.14  | .76641 | 71.940  | 165.86  | 32.484 | 91.176  | 13.160 | .26344 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00003 | 28.535 | -.00015 | .00002  | .00079 | -.00180 | .00013 | 11.018 |
| #2 | .00002  | 28.846 | -.00047 | -.00021 | .00126 | -.00832 | .00010 | 11.059 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00110 | .00128 | 70.528 | .00022 | -.00159 | 3.2802 | .00035 | .02452 |
| Stddev | .00022 | .00019 | .388   | .00055 | .00004  | .0393  | .00020 | .00306 |
| %RSD   | 20.137 | 15.007 | .55015 | 243.60 | 2.7762  | 1.1992 | 57.641 | 12.480 |

|    |        |        |        |         |         |        |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|--------|
| #1 | .00126 | .00114 | 70.253 | .00061  | -.00163 | 3.2523 | .00021 | .02235 |
| #2 | .00094 | .00141 | 70.802 | -.00016 | -.00156 | 3.3080 | .00050 | .02668 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.8263 | 1.2025 | -.00753 | .00582 | -.01791 | .0457  | .14940 | 4.6671 |
| Stddev | .0585  | .0070  | .00009  | .00184 | .00035  | .0012  | .00094 | .6519  |
| %RSD   | .74708 | .58064 | 1.2438  | 31.619 | 1.9431  | 2.689  | .62592 | 13.968 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 7.7849 | 1.1975 | -.00747 | .00712 | -.01816 | .0448 | .14874 | 4.2062 |
| #2 | 7.8676 | 1.2074 | -.00760 | .00452 | -.01767 | .0465 | .15006 | 5.1281 |

Sample Name: J5383-01DUP      Acquired: 10/17/2018 16:50:53      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .77931  
 Stddev      .97678  
 %RSD      125.34

#1      .08863  
 #2      1.4700

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3000.7 | 43717. | 4243.2 | 95.935 | 3324.2 |
| Stddev    | 36.8   | 256.   | 8.5    | .413   | 24.2   |
| %RSD      | 1.2277 | .58592 | .20021 | .43074 | .72690 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3026.8 | 43898. | 4249.2 | 96.227 | 3341.2 |
| #2 | 2974.7 | 43536. | 4237.2 | 95.643 | 3307.1 |

Sample Name: J5383-01LX5      Acquired: 10/17/2018 16:54:55      Type: Unk  
Method: P4-ICP2(v2504)      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    | -.00024 | .00183 | -.00422 | -.00130 | -.00209 | -.01208 | .00036 | .00005 |
| Stddev | .00040  | .00011 | .00014  | .00379  | .00036  | .00113  | .00003 | .00013 |
| %RSD   | 161.96  | 6.0798 | 3.3979  | 291.51  | 17.331  | 9.3740  | 8.0580 | 247.68 |

|    |         |        |         |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00004  | .00176 | -.00432 | -.00398 | -.00183 | -.01128 | .00034 | .00014  |
| #2 | -.00053 | .00191 | -.00412 | .00138  | -.00234 | -.01288 | .00038 | -.00004 |

|        |        |        |         |         |         |         |         |        |
|--------|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00005 | 5.9478 | -.00034 | -.00010 | -.00032 | -.00056 | -.00039 | 2.2581 |
| Stddev | .00005 | .0350  | .00046  | .00005  | .00054  | .01199  | .00007  | .0066  |
| %RSD   | 111.12 | .58925 | 137.75  | 46.237  | 169.10  | 2148.8  | 17.326  | .29285 |

|    |        |        |         |         |         |         |         |        |
|----|--------|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00009 | 5.9230 | -.00067 | -.00007 | -.00069 | .00792  | -.00034 | 2.2628 |
| #2 | .00001 | 5.9725 | -.00001 | -.00013 | .00006  | -.00903 | -.00043 | 2.2534 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00056 | .00162 | 14.273 | .00001 | -.00171 | .69726 | -.00013 | .00379 |
| Stddev | .00000 | .00064 | .160   | .00025 | .00004  | .02907 | .00024  | .00501 |
| %RSD   | .78511 | 39.807 | 1.1236 | 1899.6 | 2.6232  | 4.1688 | 185.09  | 132.06 |

|    |        |        |        |         |         |        |         |        |
|----|--------|--------|--------|---------|---------|--------|---------|--------|
| #1 | .00056 | .00207 | 14.160 | .00019  | -.00174 | .71782 | -.00030 | .00733 |
| #2 | .00057 | .00116 | 14.386 | -.00016 | -.00168 | .67671 | .00004  | .00025 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.5324 | .25972 | -.00529 | .00608 | -.01708 | .0025  | .03122 | 4.8921 |
| Stddev | .0036  | .00441 | .00065  | .00038 | .00008  | .0023  | .00003 | .2194  |
| %RSD   | .23397 | 1.6988 | 12.288  | 6.1705 | .46211  | 92.21  | .09243 | 4.4844 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 1.5350 | .25660 | -.00483 | .00582 | -.01713 | .0009 | .03124 | 4.7370 |
| #2 | 1.5299 | .26284 | -.00575 | .00635 | -.01702 | .0041 | .03120 | 5.0473 |

Sample Name: J5383-01LX5      Acquired: 10/17/2018 16:54:55      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .41180  
%RSD      74.386

#1      -.84478  
#2      -.26241

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2814.5 | 41354. | 3986.3 | 90.369 | 3176.4 |
| Stddev    | 11.9   | 24.    | 40.0   | 1.082  | 11.2   |
| %RSD      | .42331 | .05887 | 1.0037 | 1.1973 | .35317 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2822.9 | 41371. | 4014.6 | 89.604 | 3168.4 |
| #2 | 2806.1 | 41336. | 3958.0 | 91.134 | 3184.3 |

Sample Name: J5383-01MS      Acquired: 10/17/2018 16:59:00      Type: Unk

Method: P4-ICP2(v2504)      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    | .93555 | 2.4594 | 1.2556 | 2.8713 | 1.2301 | 2.8892 | .26945 | .28511 |
| Stddev | .00184 | .0022  | .0020  | .0043  | .0088  | .0094  | .00059 | .00057 |
| %RSD   | .19619 | .08948 | .15632 | .15152 | .71154 | .32536 | .21922 | .20107 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .93426 | 2.4610 | 1.2570 | 2.8744 | 1.2240 | 2.8958 | .26903 | .28471 |
| #2 | .93685 | 2.4578 | 1.2542 | 2.8682 | 1.2363 | 2.8825 | .26987 | .28552 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25096 | 29.779 | .45050 | .26945 | .42024 | 3.4099 | .26785 | 13.116 |
| Stddev | .00011 | .043   | .00135 | .00033 | .00209 | .0064  | .00015 | .072   |
| %RSD   | .04297 | .14481 | .29983 | .12399 | .49713 | .18638 | .05543 | .54534 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25104 | 29.749 | .44954 | .26968 | .41876 | 3.4054 | .26796 | 13.167 |
| #2 | .25088 | 29.810 | .45145 | .26921 | .42171 | 3.4144 | .26775 | 13.066 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .61046 | .09950 | 72.360 | .38024 | .23462 | 14.332 | .48866 | .37678 |
| Stddev | .00234 | .00036 | .202   | .00123 | .00353 | .076   | .00100 | .00994 |
| %RSD   | .38254 | .36590 | .27940 | .32286 | 1.5063 | .52755 | .20508 | 2.6374 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .61211 | .09925 | 72.217 | .37937 | .23212 | 14.278 | .48795 | .36975 |
| #2 | .60881 | .09976 | 72.503 | .38110 | .23712 | 14.385 | .48936 | .38380 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.6907 | 2.4547 | .75309 | .26486 | .24299 | 7.499  | .38672 | 4.2773 |
| Stddev | .0066  | .0102  | .00292 | .00098 | .00204 | .018   | .00072 | .0685  |
| %RSD   | .08586 | .41503 | .38773 | .36966 | .84085 | .2361  | .18722 | 1.6021 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 7.6860 | 2.4475 | .75516 | .26555 | .24444 | 7.512 | .38723 | 4.3257 |
| #2 | 7.6954 | 2.4619 | .75103 | .26416 | .24155 | 7.487 | .38620 | 4.2288 |



Sample Name: J5383-01MS      Acquired: 10/17/2018 16:59:00      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .27541  
%RSD      55.409

#1      -.69180  
#2      -.30230

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2988.7 | 44112. | 4295.3 | 97.776 | 3304.7 |
| Stddev    | 4.5    | 205.   | 19.5   | 1.313  | 8.3    |
| %RSD      | .15073 | .46535 | .45512 | 1.3433 | .25123 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2991.9 | 44257. | 4309.1 | 98.705 | 3298.8 |
| #2 | 2985.5 | 43967. | 4281.5 | 96.847 | 3310.6 |

Sample Name: J5383-01MSD      Acquired: 10/17/2018 17:02:48      Type: Unk  
Method: P4-ICP2(v2504)      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    | .91048 | 2.4208 | 1.2323 | 2.8026 | 1.2162 | 2.8097 | .26648 |
| Stddev | .00372 | .0080  | .0021  | .0120  | .0041  | .0508  | .00034 |
| %RSD   | .40829 | .32894 | .16627 | .42671 | .33839 | 1.8074 | .12581 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .91311 | 2.4151 | 1.2337 | 2.7942 | 1.2133 | 2.8456 | .26671 |
| #2 | .90785 | 2.4264 | 1.2308 | 2.8111 | 1.2191 | 2.7738 | .26624 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .27834 | .24750 | 29.780 | .44282 | .26551 | .41113 | 3.3713 |
| Stddev | .00099 | .00044 | .133   | .00347 | .00133 | .00090 | .0402  |
| %RSD   | .35598 | .17712 | .44505 | .78266 | .50095 | .21950 | 1.1923 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .27904 | .24719 | 29.874 | .44527 | .26457 | .41049 | 3.3428 |
| #2 | .27763 | .24781 | 29.686 | .44037 | .26645 | .41177 | 3.3997 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .26395 | 13.131 | .60177 | .09721 | 72.575 | .37264 | .23211 |
| Stddev | .00171 | .075   | .00033 | .00020 | .403   | .00269 | .00517 |
| %RSD   | .64851 | .56947 | .05484 | .20480 | .55461 | .72269 | 2.2283 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .26516 | 13.184 | .60154 | .09735 | 72.290 | .37455 | .22845 |
| #2 | .26274 | 13.078 | .60201 | .09707 | 72.859 | .37074 | .23576 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.192 | .48430 | .38512 | 7.6452 | 2.4627 | .75077 | .26483 |
| Stddev | .136   | .00009 | .00153 | .0151  | .0170  | .00177 | .00012 |
| %RSD   | .96057 | .01860 | .39740 | .19698 | .69120 | .23521 | .04531 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.095 | .48424 | .38404 | 7.6346 | 2.4507 | .74952 | .26475 |
| #2 | 14.288 | .48437 | .38621 | 7.6559 | 2.4747 | .75202 | .26492 |

Sample Name: J5383-01MSD      Acquired: 10/17/2018 17:02:48      Type: Unk  
Method: P4-ICP2(v2504)      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    | .23960 | 7.360  | .38637 | 4.4210 | F<.00000 |
| Stddev | .00347 | .013   | .00346 | .0182  | .21740   |
| %RSD   | 1.4493 | .1823  | .89666 | .41088 | 19.078   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .23715 | 7.351 | .38392 | 4.4081 | -.98583 |
| #2 | .24206 | 7.370 | .38882 | 4.4338 | -1.2933 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2990.0 | 43874. | 4227.2 | 96.677 | 3290.3 |
| Stddev    | 3.5    | 186.   | 8.1    | 1.898  | 1.6    |
| %RSD      | .11762 | .42370 | .19198 | 1.9637 | .04729 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2992.5 | 43742. | 4232.9 | 98.019 | 3291.4 |
| #2 | 2987.5 | 44005. | 4221.5 | 95.334 | 3289.2 |

Sample Name: J5383-01A      Acquired: 10/17/2018 17:06:37      Type: Unk  
Method: P4-ICP2(v2504)      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    | .90318 | 2.4157 | 1.2377 | 2.8031 | 1.2250 | 2.7895 | .26695 | .27842 |
| Stddev | .00130 | .0174  | .0021  | .0140  | .0026  | .0063  | .00067 | .00097 |
| %RSD   | .14408 | .71897 | .17119 | .50055 | .20983 | .22458 | .25220 | .34801 |
| #1     | .90410 | 2.4034 | 1.2362 | 2.8130 | 1.2232 | 2.7939 | .26647 | .27773 |
| #2     | .90226 | 2.4280 | 1.2392 | 2.7932 | 1.2269 | 2.7851 | .26743 | .27910 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .24721 | 29.851 | .44119 | .26591 | .41113 | 3.3590 | .26299 | 13.112 |
| Stddev | .00088 | .220   | .00098 | .00117 | .00126 | .1030  | .00054 | .150   |
| %RSD   | .35559 | .73640 | .22214 | .44035 | .30595 | 3.0667 | .20625 | 1.1420 |
| #1     | .24659 | 30.007 | .44188 | .26508 | .41202 | 3.4318 | .26261 | 13.006 |
| #2     | .24783 | 29.696 | .44049 | .26673 | .41024 | 3.2861 | .26338 | 13.218 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .59856 | .09597 | 72.749 | .37440 | .23414 | 14.174 | .48487 | .38652 |
| Stddev | .00472 | .00077 | .289   | .00223 | .00551 | .014   | .00072 | .00487 |
| %RSD   | .78783 | .80149 | .39658 | .59645 | 2.3526 | .09578 | .14859 | 1.2606 |
| #1     | .59522 | .09542 | 72.545 | .37282 | .23804 | 14.165 | .48436 | .38997 |
| #2     | .60189 | .09651 | 72.953 | .37597 | .23025 | 14.184 | .48538 | .38308 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.5865 | 2.5135 | .74584 | .26202 | .24132 | 7.329  | .38546 | 4.7948 |
| Stddev | .0359  | .0169  | .00322 | .00043 | .00239 | .042   | .00221 | .3423  |
| %RSD   | .47262 | .67393 | .43221 | .16506 | .99145 | .5712  | .57221 | 7.1380 |
| #1     | 7.5611 | 2.5015 | .74356 | .26171 | .24301 | 7.300  | .38390 | 4.5528 |
| #2     | 7.6118 | 2.5255 | .74812 | .26233 | .23963 | 7.359  | .38702 | 5.0368 |

Sample Name: J5383-01A      Acquired: 10/17/2018 17:06:37      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | .27612  |
| %RSD   | 30.651  |

|    |         |
|----|---------|
| #1 | -.70560 |
| #2 | -1.0961 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2941.7 | 43423. | 4139.5 | 94.889 | 3258.4 |
| Stddev    | 5.5    | 152.   | 39.9   | 1.970  | 20.9   |
| %RSD      | .18859 | .34984 | .96437 | 2.0765 | .64111 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2945.6 | 43530. | 4167.7 | 93.496 | 3273.2 |
| #2 | 2937.7 | 43316. | 4111.2 | 96.282 | 3243.6 |

Sample Name: J5462-04      Acquired: 10/17/2018 17:14:38      Type: Unk  
Method: P4-ICP2(v2504)      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    | -.00261 | .00080 | -.00413 | -.00043 | -.00066 | -.01516 | -.00241 |
| Stddev | .00109  | .00117 | .00011  | .00612  | .00111  | .00579  | .00011  |
| %RSD   | 41.842  | 146.45 | 2.7437  | 1427.7  | 169.06  | 38.216  | 4.6956  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00338 | -.00003 | -.00405 | .00390  | .00013  | -.01106 | -.00249 |
| #2 | -.00184 | .00163  | -.00421 | -.00476 | -.00144 | -.01926 | -.00233 |

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00008 | .00002 | .03077 | -.00004 | .00001 | .00018 | .01815 |
| Stddev | .00002  | .00003 | .02055 | .00026  | .00011 | .00051 | .00214 |
| %RSD   | 25.641  | 148.20 | 66.783 | 711.62  | 1316.5 | 287.76 | 11.780 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | -.00007 | -.00000 | .04531 | .00015  | -.00007 | .00054  | .01966 |
| #2 | -.00010 | .00005  | .01624 | -.00022 | .00009  | -.00018 | .01663 |

|        |         |        |        |        |         |         |         |
|--------|---------|--------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00034 | .01631 | .00112 | .00129 | -.28528 | -.00051 | -.00141 |
| Stddev | .00001  | .00336 | .00013 | .00028 | .00699  | .00011  | .00002  |
| %RSD   | 2.6287  | 20.597 | 11.566 | 21.913 | 2.4516  | 22.344  | 1.2986  |

|    |         |        |        |        |         |         |         |
|----|---------|--------|--------|--------|---------|---------|---------|
| #1 | -.00033 | .01394 | .00121 | .00149 | -.29022 | -.00043 | -.00142 |
| #2 | -.00035 | .01869 | .00103 | .00109 | -.28033 | -.00059 | -.00140 |

|        |        |         |        |         |        |         |        |
|--------|--------|---------|--------|---------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00665 | -.00017 | .00463 | -.01468 | .01894 | -.00485 | .00312 |
| Stddev | .04802 | .00028  | .02007 | .00090  | .00136 | .00006  | .00210 |
| %RSD   | 722.25 | 161.68  | 433.43 | 6.1114  | 7.1872 | 1.3191  | 67.290 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | .04061  | -.00037 | .01882  | -.01404 | .01990 | -.00489 | .00460 |
| #2 | -.02731 | .00002  | -.00956 | -.01531 | .01798 | -.00480 | .00164 |

Sample Name: J5462-04      Acquired: 10/17/2018 17:14:38      Type: Unk  
Method: P4-ICP2(v2504)      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    | -.01684 | -.0086 | .00014 | 4.7564 | F<.00000 |
| Stddev | .00096  | .0010  | .00006 | .1981  | .04539   |
| %RSD   | 5.7005  | 11.53  | 41.166 | 4.1653 | 3.7469   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.01752 | -.0079 | .00018 | 4.8965 | -1.1792 |
| #2 | -.01616 | -.0093 | .00010 | 4.6164 | -1.2434 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2856.9 | 42154. | 3962.6 | 87.817 | 3234.5 |
| Stddev    | 44.7   | 251.   | 4.3    | .601   | 43.2   |
| %RSD      | 1.5658 | .59528 | .10796 | .68443 | 1.3347 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2825.3 | 41976. | 3959.6 | 88.242 | 3204.0 |
| #2 | 2888.6 | 42331. | 3965.6 | 87.392 | 3265.0 |

Sample Name: CCV06      Acquired: 10/17/2018 17:21:19      Type: Unk  
Method: P4-ICP2(v2504)      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    | 4.8874 | 5.2698 | 5.4632 | 5.0504 | 5.0885 | 9.4061 | 10.633 | .26955   |
| Stddev | .0633  | .0740  | .0801  | .0578  | .0563  | .1080  | .138   | .00018   |
| %RSD   | 1.2946 | 1.4035 | 1.4656 | 1.1443 | 1.1070 | 1.1484 | 1.2948 | .06549   |
| #1     | 4.8427 | 5.2175 | 5.4065 | 5.0096 | 5.0487 | 9.4825 | 10.536 | .26943   |
| #2     | 4.9322 | 5.3221 | 5.5198 | 5.0913 | 5.1284 | 9.3297 | 10.731 | .26967   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.7121 | 23.574 | .93950 | 2.7191 | 1.2904 | 4.7201 | 2.7112 | 24.203   |
| Stddev | .0417  | .181   | .00055 | .0380  | .0165  | .1494  | .0036  | .320     |
| %RSD   | 1.5374 | .76598 | .05867 | 1.3972 | 1.2800 | 3.1656 | .13373 | 1.3233   |
| #1     | 2.6826 | 23.446 | .93989 | 2.6923 | 1.2787 | 4.6144 | 2.7138 | 23.976   |
| #2     | 2.7416 | 23.701 | .93911 | 2.7460 | 1.3021 | 4.8257 | 2.7087 | 24.429   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5679 | 1.1635 | 23.778 | 2.5904 | 2.3963 | 23.074 | 5.0252 | 4.9992   |
| Stddev | .0404  | .0027  | .309   | .0127  | .0757  | .259   | .0786  | .0290    |
| %RSD   | 1.5742 | .23238 | 1.2980 | .48934 | 3.1594 | 1.1207 | 1.5642 | .58073   |
| #1     | 2.5393 | 1.1616 | 23.559 | 2.5993 | 2.3428 | 22.892 | 4.9696 | 4.9787   |
| #2     | 2.5965 | 1.1654 | 23.996 | 2.5814 | 2.4499 | 23.257 | 5.0807 | 5.0197   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0710 | 5.4933 | 4.5184 | 5.2918 | 5.4872 | 5.369  | 5.1806 | F 5.8539 |
| Stddev | .0893  | .0581  | .0662  | .0208  | .0728  | .083   | .0681  | .0120    |
| %RSD   | 1.7619 | 1.0580 | 1.4649 | .39376 | 1.3261 | 1.546  | 1.3148 | .20509   |
| #1     | 5.0078 | 5.4522 | 4.4716 | 5.2771 | 5.4357 | 5.310  | 5.1324 | 5.8454   |
| #2     | 5.1342 | 5.5343 | 4.5652 | 5.3065 | 5.5386 | 5.427  | 5.2287 | 5.8624   |



Sample Name: CCV06      Acquired: 10/17/2018 17:21:19      Type: Unk  
Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.0344  
Stddev      .2759  
%RSD      26.671

#1      .83932  
#2      1.2295

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2706.9 | 40260. | 3950.1 | 85.484 | 2865.0 |
| Stddev    | 24.1   | 42.    | 31.7   | 2.347  | 30.2   |
| %RSD      | .88982 | .10412 | .80319 | 2.7462 | 1.0552 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2723.9 | 40231. | 3972.5 | 87.144 | 2886.4 |
| #2 | 2689.8 | 40290. | 3927.6 | 83.824 | 2843.6 |

Sample Name: CCB06      Acquired: 10/17/2018 17:25:05      Type: Unk  
Method: P4-ICP2(v2504)      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    | -.00143 | .00168 | -.00367 | -.00215 | -.00208 | -.00195 | -.00115 |
| Stddev | .00104  | .00068 | .00087  | .00084  | .00052  | .00939  | .00022  |
| %RSD   | 72.739  | 40.526 | 23.816  | 39.135  | 25.222  | 481.23  | 19.301  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00216 | .00216 | -.00305 | -.00275 | -.00245 | -.00859 | -.00099 |
| #2 | -.00069 | .00120 | -.00429 | -.00156 | -.00171 | .00469  | -.00131 |

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00005 | .00015 | .00561 | -.00002 | .00012 | .00013 | .00172 |
| Stddev | .00011  | .00001 | .00728 | .00002  | .00009 | .00061 | .00203 |
| %RSD   | 223.51  | 4.6047 | 129.87 | 77.782  | 75.493 | 465.14 | 118.12 |

|    |         |        |        |         |        |         |        |
|----|---------|--------|--------|---------|--------|---------|--------|
| #1 | .00003  | .00014 | .00046 | -.00003 | .00018 | -.00030 | .00028 |
| #2 | -.00013 | .00015 | .01076 | -.00001 | .00005 | .00056  | .00316 |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00042 | -.03599 | .00089 | .00015 | -.29153 | -.00070 | -.00156 |
| Stddev | .00006  | .02173  | .00066 | .00045 | .00418  | .00004  | .00005  |
| %RSD   | 13.705  | 60.376  | 73.963 | 292.62 | 1.4347  | 5.3190  | 3.1136  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00047 | -.02062 | .00136 | .00048  | -.29449 | -.00067 | -.00153 |
| #2 | -.00038 | -.05135 | .00043 | -.00017 | -.28858 | -.00073 | -.00160 |

|        |         |        |        |           |        |         |        |
|--------|---------|--------|--------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm    | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.00505 | .00008 | .00420 | F -.01810 | .01889 | -.00408 | .00629 |
| Stddev | .00208  | .00003 | .00415 | .00114    | .00267 | .00001  | .00001 |
| %RSD   | 41.164  | 33.828 | 98.914 | 6.3028    | 14.112 | .22921  | .12276 |

|    |         |        |        |         |        |         |        |
|----|---------|--------|--------|---------|--------|---------|--------|
| #1 | -.00358 | .00006 | .00714 | -.01891 | .01701 | -.00408 | .00630 |
| #2 | -.00652 | .00011 | .00126 | -.01730 | .02078 | -.00407 | .00629 |

Sample Name: CCB06      Acquired: 10/17/2018 17:25:05      Type: Unk  
 Method: P4-ICP2(v2504)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |           |        |        |          |          |
|--------|-----------|--------|--------|----------|----------|
| Elem   | Li6707    | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm       | ppm    | ppm    | ppm      | ppm      |
| Avg    | F -.01673 | -.0089 | .00019 | F 4.4512 | F<.00000 |
| Stddev | .00037    | .0026  | .00005 | .4680    | .04749   |
| %RSD   | 2.2041    | 29.08  | 28.738 | 10.515   | 30.622   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.01699 | -.0071 | .00015 | 4.7821 | -.12150 |
| #2 | -.01647 | -.0107 | .00022 | 4.1202 | -.18867 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2850.2 | 42331. | 3984.6 | 91.733 | 3255.1 |
| Stddev    | 4.4    | 45.    | 5.4    | .318   | 27.5   |
| %RSD      | .15525 | .10536 | .13600 | .34687 | .84456 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2847.1 | 42299. | 3980.8 | 91.508 | 3235.7 |
| #2 | 2853.3 | 42363. | 3988.5 | 91.958 | 3274.6 |

Sample Name: PB113876BL      Acquired: 10/17/2018 17:28:15      Type: Unk  
Method: P4-ICP2(v2506)      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    | -.00195 | .00089 | -.00392 | -.00086 | -.00156 | -.00312 | -.00213 |
| Stddev | .00393  | .00067 | .00022  | .00053  | .00007  | .00441  | .00064  |
| %RSD   | 202.08  | 74.713 | 5.6295  | 61.261  | 4.2919  | 141.45  | 30.102  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | .00083  | .00137 | -.00408 | -.00049 | -.00151 | .00000  | -.00259 |
| #2 | -.00472 | .00042 | -.00377 | -.00123 | -.00161 | -.00624 | -.00168 |

|        |         |        |        |         |        |         |        |
|--------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00004 | .00006 | .00496 | -.00004 | .00012 | -.00009 | .00030 |
| Stddev | .00002  | .00007 | .03574 | .00058  | .00020 | .00014  | .00759 |
| %RSD   | 55.526  | 122.86 | 720.39 | 1635.9  | 167.80 | 160.43  | 2526.4 |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00003 | .00011 | -.02031 | .00037  | .00027  | .00001  | .00566  |
| #2 | -.00006 | .00001 | .03023  | -.00045 | -.00002 | -.00018 | -.00506 |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00035 | -.05832 | .00108 | .00060 | -.29476 | -.00002 | -.00173 |
| Stddev | .00004  | .04492  | .00023 | .00064 | .00755  | .00014  | .00004  |
| %RSD   | 10.953  | 77.018  | 21.150 | 105.14 | 2.5616  | 699.40  | 2.5724  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00037 | -.02656 | .00092 | .00105 | -.28942 | -.00012 | -.00176 |
| #2 | -.00032 | -.09008 | .00124 | .00016 | -.30010 | .00008  | -.00170 |

|        |         |         |         |           |        |         |        |
|--------|---------|---------|---------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.02543 | -.00014 | -.00384 | F -.02049 | .01463 | -.00501 | .00525 |
| Stddev | .02840  | .00004  | .01017  | .00046    | .00014 | .00016  | .00020 |
| %RSD   | 111.66  | 27.937  | 264.76  | 2.2243    | .98269 | 3.1600  | 3.8208 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00535 | -.00011 | .00335  | -.02017 | .01453 | -.00512 | .00540 |
| #2 | -.04551 | -.00016 | -.01103 | -.02081 | .01473 | -.00490 | .00511 |

Sample Name: PB113876BL      Acquired: 10/17/2018 17:28:15      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |           |          |        |          |          |
|--------|-----------|----------|--------|----------|----------|
| Elem   | Li6707    | P_1774   | Sr4077 | U_3670   | U_3859   |
| Units  | ppm       | ppm      | ppm    | ppm      | ppm      |
| Avg    | F -.01561 | F -.0103 | .00010 | F 4.4072 | F<.00000 |
| Stddev | .00073    | .0010    | .00004 | .0503    | .51568   |
| %RSD   | 4.6487    | 10.21    | 40.571 | 1.1407   | 117.72   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.01510 | -.0095 | .00012 | 4.3717 | -.07341 |
| #2 | -.01613 | -.0110 | .00007 | 4.4428 | -.80269 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2887.9 | 43007. | 4035.5 | 92.667 | 3272.7 |
| Stddev    | 12.5   | 111.   | 17.0   | .012   | .9     |
| %RSD      | .43416 | .25730 | .42181 | .01272 | .02845 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2896.8 | 42929. | 4023.5 | 92.675 | 3273.4 |
| #2 | 2879.1 | 43085. | 4047.5 | 92.658 | 3272.1 |

Sample Name: PB113875BL      Acquired: 10/17/2018 17:36:09      Type: Unk  
Method: P4-ICP2(v2506)      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    | -.00064 | .00018 | -.00428 | -.00257 | -.00113 | -.00412 | -.00177 |
| Stddev | .00293  | .00104 | .00018  | .00160  | .00014  | .01179  | .00031  |
| %RSD   | 457.91  | 567.08 | 4.1202  | 62.252  | 12.173  | 285.94  | 17.262  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00143  | -.00055 | -.00440 | -.00144 | -.00103 | .00421  | -.00156 |
| #2 | -.00271 | .00092  | -.00415 | -.00370 | -.00123 | -.01246 | -.00199 |

|        |         |        |        |         |        |         |        |
|--------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00001 | .00010 | .00539 | -.00031 | .00012 | -.00039 | .01549 |
| Stddev | .00010  | .00004 | .00491 | .00016  | .00006 | .00041  | .00044 |
| %RSD   | 696.75  | 43.116 | 91.108 | 51.395  | 54.785 | 105.16  | 2.8432 |

|    |         |        |        |         |        |         |        |
|----|---------|--------|--------|---------|--------|---------|--------|
| #1 | -.00009 | .00007 | .00192 | -.00042 | .00007 | -.00069 | .01518 |
| #2 | .00006  | .00013 | .00885 | -.00019 | .00016 | -.00010 | .01580 |

|        |         |        |        |        |         |         |         |
|--------|---------|--------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00035 | .00047 | .00115 | .00010 | -.30068 | -.00048 | -.00171 |
| Stddev | .00000  | .00724 | .00011 | .00005 | .00365  | .00019  | .00003  |
| %RSD   | .36651  | 1552.0 | 9.6918 | 49.135 | 1.2153  | 40.490  | 2.0049  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00035 | -.00465 | .00107 | .00007 | -.29809 | -.00061 | -.00169 |
| #2 | -.00035 | .00559  | .00123 | .00014 | -.30326 | -.00034 | -.00174 |

|        |         |         |         |           |        |         |        |
|--------|---------|---------|---------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.03062 | -.00003 | -.00261 | F -.01886 | .01646 | -.00472 | .00547 |
| Stddev | .01649  | .00036  | .00035  | .00159    | .00189 | .00029  | .00179 |
| %RSD   | 53.864  | 1223.8  | 13.361  | 8.4412    | 11.479 | 6.1080  | 32.761 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.01896 | .00022  | -.00237 | -.01774 | .01512 | -.00452 | .00674 |
| #2 | -.04229 | -.00028 | -.00286 | -.01999 | .01780 | -.00493 | .00420 |

Sample Name: PB113875BL      Acquired: 10/17/2018 17:36:09      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |           |        |        |          |          |
|--------|-----------|--------|--------|----------|----------|
| Elem   | Li6707    | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm       | ppm    | ppm    | ppm      | ppm      |
| Avg    | F -.01506 | -.0095 | .00016 | F 4.2106 | F<.00000 |
| Stddev | .00008    | .0001  | .00017 | .1287    | .01319   |
| %RSD   | .53936    | 1.121  | 107.51 | 3.0567   | 4.4923   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.01500 | -.0096 | .00028 | 4.1196 | -.28431 |
| #2 | -.01512 | -.0094 | .00004 | 4.3016 | -.30296 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2903.4 | 42710. | 3999.2 | 90.575 | 3284.5 |
| Stddev    | 18.6   | 125.   | 38.3   | .471   | 17.1   |
| %RSD      | .64082 | .29380 | .95673 | .52046 | .52158 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2890.2 | 42621. | 3972.1 | 90.242 | 3272.4 |
| #2 | 2916.5 | 42799. | 4026.2 | 90.908 | 3296.6 |

Sample Name: PB113925BL      Acquired: 10/17/2018 17:44:03      Type: Unk  
Method: P4-ICP2(v2506)      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    | -.00137 | .00189 | -.00343 | -.00035 | -.00000 | .00595 | -.00256 |
| Stddev | .00095  | .00230 | .00156  | .00084  | .00133  | .00792 | .00006  |
| %RSD   | 69.638  | 121.99 | 45.606  | 240.54  | 45516.  | 133.18 | 2.5362  |

|    |         |        |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|--------|---------|
| #1 | -.00069 | .00351 | -.00454 | .00025  | .00094  | .01155 | -.00261 |
| #2 | -.00204 | .00026 | -.00232 | -.00094 | -.00094 | .00035 | -.00251 |

|        |         |        |        |        |         |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00009 | .00003 | .02068 | .00024 | -.00003 | .00004 | .01342 |
| Stddev | .00007  | .00000 | .01955 | .00032 | .00005  | .00021 | .00910 |
| %RSD   | 83.057  | 14.773 | 94.539 | 132.29 | 148.73  | 585.15 | 67.858 |

|    |         |        |        |        |         |         |        |
|----|---------|--------|--------|--------|---------|---------|--------|
| #1 | -.00004 | .00003 | .03450 | .00002 | -.00007 | .00018  | .00698 |
| #2 | -.00014 | .00002 | .00686 | .00046 | .00000  | -.00011 | .01985 |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00041 | -.04711 | .00099 | .00031 | -.30613 | -.00051 | -.00186 |
| Stddev | .00002  | .01025  | .00005 | .00027 | .00567  | .00019  | .00012  |
| %RSD   | 4.2792  | 21.762  | 5.1417 | 89.672 | 1.8513  | 36.349  | 6.4439  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00042 | -.03986 | .00096 | .00050 | -.31013 | -.00038 | -.00177 |
| #2 | -.00039 | -.05435 | .00103 | .00011 | -.30212 | -.00064 | -.00194 |

|        |         |         |         |           |        |         |        |
|--------|---------|---------|---------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.00256 | -.00030 | -.00645 | F -.01798 | .01332 | -.00421 | .00588 |
| Stddev | .03081  | .00013  | .00819  | .00148    | .00071 | .00089  | .00029 |
| %RSD   | 1205.6  | 42.692  | 127.10  | 8.2092    | 5.3296 | 21.154  | 4.9617 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.02434 | -.00039 | -.00065 | -.01694 | .01282 | -.00484 | .00609 |
| #2 | .01923  | -.00021 | -.01224 | -.01903 | .01382 | -.00358 | .00567 |



Sample Name: PB113925BL      Acquired: 10/17/2018 17:44:03      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |           |          |        |          |          |
|--------|-----------|----------|--------|----------|----------|
| Elem   | Li6707    | P_1774   | Sr4077 | U_3670   | U_3859   |
| Units  | ppm       | ppm      | ppm    | ppm      | ppm      |
| Avg    | F -.01691 | F -.0103 | .00008 | F 4.0722 | F<.00000 |
| Stddev | .00032    | .0001    | .00002 | .2422    | .30355   |
| %RSD   | 1.9012    | .8886    | 23.660 | 5.9467   | 232.97   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.01714 | -.0102 | .00006 | 4.2435 | .08435  |
| #2 | -.01668 | -.0103 | .00009 | 3.9010 | -.34494 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2901.9 | 43218. | 4066.1 | 90.863 | 3297.6 |
| Stddev    | 16.7   | 363.   | 59.2   | 2.964  | 21.4   |
| %RSD      | .57450 | .83992 | 1.4555 | 3.2620 | .64788 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2890.1 | 42962. | 4024.2 | 88.767 | 3282.4 |
| #2 | 2913.7 | 43475. | 4107.9 | 92.958 | 3312.7 |

Sample Name: PB113926BL      Acquired: 10/17/2018 17:51:58      Type: Unk  
Method: P4-ICP2(v2506)      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    | -.00026 | .00169 | -.00371 | -.00504 | -.00156 | .00458 | -.00100 |
| Stddev | .00151  | .00040 | .00019  | .00299  | .00056  | .00595 | .00099  |
| %RSD   | 585.49  | 23.476 | 5.1671  | 59.278  | 36.018  | 129.87 | 98.911  |

|    |         |        |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|--------|---------|
| #1 | -.00133 | .00141 | -.00385 | -.00293 | -.00116 | .00879 | -.00030 |
| #2 | .00081  | .00197 | -.00358 | -.00715 | -.00196 | .00037 | -.00171 |

|        |         |         |         |         |        |         |         |
|--------|---------|---------|---------|---------|--------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00004 | -.00001 | -.00214 | -.00014 | .00013 | -.00002 | -.00747 |
| Stddev | .00004  | .00005  | .00741  | .00002  | .00024 | .00014  | .00241  |
| %RSD   | 105.23  | 952.92  | 345.54  | 10.944  | 186.78 | 633.86  | 32.322  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00001 | .00003  | .00310  | -.00016 | .00030  | .00008  | -.00576 |
| #2 | -.00007 | -.00004 | -.00739 | -.00013 | -.00004 | -.00012 | -.00918 |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00038 | -.05579 | .00096 | .00047 | -.29857 | -.00036 | -.00171 |
| Stddev | .00005  | .03087  | .00016 | .00008 | .00412  | .00003  | .00000  |
| %RSD   | 12.017  | 55.343  | 16.937 | 16.264 | 1.3811  | 8.7116  | .18802  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00035 | -.03395 | .00108 | .00052 | -.30149 | -.00038 | -.00171 |
| #2 | -.00041 | -.07762 | .00085 | .00041 | -.29565 | -.00034 | -.00171 |

|        |         |        |         |           |        |         |        |
|--------|---------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.06029 | .00024 | -.01020 | F -.02223 | .01677 | -.00472 | .00617 |
| Stddev | .06642  | .00030 | .01006  | .00159    | .00527 | .00088  | .00193 |
| %RSD   | 110.16  | 126.92 | 98.619  | 7.1723    | 31.448 | 18.589  | 31.336 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.01333 | .00045 | -.01731 | -.02110 | .02050 | -.00534 | .00480 |
| #2 | -.10725 | .00002 | -.00309 | -.02336 | .01304 | -.00410 | .00754 |

Sample Name: PB113926BL      Acquired: 10/17/2018 17:51:58      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |           |        |        |          |          |
|--------|-----------|--------|--------|----------|----------|
| Elem   | Li6707    | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm       | ppm    | ppm    | ppm      | ppm      |
| Avg    | F -.01722 | -.0083 | .00005 | F 4.1672 | F<.00000 |
| Stddev | .00168    | .0006  | .00001 | .4852    | .55834   |
| %RSD   | 9.7755    | 7.188  | 20.121 | 11.642   | 189.37   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.01603 | -.0079 | .00005 | 4.5103 | .09996  |
| #2 | -.01841 | -.0087 | .00006 | 3.8242 | -.68964 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2928.0 | 43085. | 3981.6 | 89.738 | 3325.3 |
| Stddev    | .4     | 198.   | 33.1   | 1.078  | 29.9   |
| %RSD      | .01282 | .46057 | .83082 | 1.2017 | .89909 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2928.3 | 42945. | 3958.2 | 88.975 | 3304.1 |
| #2 | 2927.8 | 43225. | 4005.0 | 90.500 | 3346.4 |

Sample Name: PB113926BS      Acquired: 10/17/2018 17:56:02      Type: Unk  
Method: P4-ICP2(v2506)      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    | .71693 | 2.0454 | 1.0323 | 2.1988 | F .95032 | 2.2491 | .21451 |
| Stddev | .00137 | .0055  | .0005  | .0003  | .00133   | .0505  | .00021 |
| %RSD   | .19066 | .26679 | .04547 | .01119 | .13959   | 2.2447 | .09650 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .71789 | 2.0416 | 1.0320 | 2.1990 | .95126 | 2.2134 | .21436 |
| #2 | .71596 | 2.0493 | 1.0326 | 2.1986 | .94938 | 2.2848 | .21465 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22050 | .20416 | F 1.1951 | .35897 | .22243 | .31246 | 2.7593 |
| Stddev | .00017 | .00025 | .0035    | .00134 | .00048 | .00066 | .0871  |
| %RSD   | .07628 | .12048 | .28955   | .37203 | .21739 | .21071 | 3.1579 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22038 | .20398 | 1.1975 | .35803 | .22277 | .31200 | 2.6977 |
| #2 | .22062 | .20433 | 1.1926 | .35991 | .22209 | .31293 | 2.8210 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .22161 | 1.9837 | .49497 | F .05392 | 2.6404 | .25886 | .18891 |
| Stddev | .00106 | .0303  | .00063 | .00038   | .0134  | .00022 | .00088 |
| %RSD   | .48057 | 1.5266 | .12788 | .71208   | .50715 | .08519 | .46429 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22085 | 2.0051 | .49453 | .05419 | 2.6309 | .25871 | .18829 |
| #2 | .22236 | 1.9623 | .49542 | .05364 | 2.6498 | .25902 | .18953 |

|        |        |        |        |           |          |          |        |
|--------|--------|--------|--------|-----------|----------|----------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881   | Sn1899   | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm      | ppm      | ppm    |
| Avg    | 9.0061 | .38317 | .27712 | F -.02688 | F 1.0776 | F .59285 | .21582 |
| Stddev | .0226  | .00012 | .02312 | .00520    | .0155    | .00382   | .00191 |
| %RSD   | .25079 | .03083 | 8.3412 | 19.350    | 1.4341   | .64371   | .88280 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.0221 | .38326 | .26078 | -.02321 | 1.0885 | .59015 | .21447 |
| #2 | 8.9901 | .38309 | .29347 | -.03056 | 1.0667 | .59555 | .21716 |

Sample Name: PB113926BS      Acquired: 10/17/2018 17:56:02      Type: Unk  
Method: P4-ICP2(v2506)      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    | .20950 | F 5.659 | .20084 | F 3.8396 | F<.00000 |
| Stddev | .00104 | .010    | .00122 | .1923    | .18075   |
| %RSD   | .49824 | .1815   | .60886 | 5.0087   | 9.1953   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20876 | 5.651 | .20171 | 3.9756 | -1.8378 |
| #2 | .21024 | 5.666 | .19998 | 3.7036 | -2.0934 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2926.5 | 42948. | 3995.2 | 91.724 | 3263.9 |
| Stddev    | 1.9    | 111.   | 56.9   | .397   | 2.2    |
| %RSD      | .06615 | .25874 | 1.4249 | .43275 | .06827 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2925.1 | 42869. | 3954.9 | 92.005 | 3265.5 |
| #2 | 2927.9 | 43026. | 4035.4 | 91.444 | 3262.3 |

Sample Name: J5511-02      Acquired: 10/17/2018 17:59:53      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |         |         |        |        |
|--------|--------|--------|---------|---------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00282 | .00057 | -.00418 | -.00110 | -.00330 | -.02126 | .01064 | .00012 |
| Stddev | .00043 | .00127 | .00007  | .00375  | .00006  | .01466  | .00056 | .00004 |
| %RSD   | 15.122 | 223.94 | 1.6370  | 340.73  | 1.8198  | 68.951  | 5.2639 | 33.454 |

|    |        |         |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|---------|--------|--------|
| #1 | .00252 | -.00033 | -.00413 | -.00375 | -.00334 | -.03162 | .01025 | .00009 |
| #2 | .00312 | .00146  | -.00423 | .00155  | -.00325 | -.01089 | .01104 | .00015 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 29.411 | .00032 | -.00001 | .00123 | .00007 | .00031 | 11.621 |
| Stddev | .00001  | .199   | .00020 | .00001  | .00008 | .00691 | .00007 | .159   |
| %RSD   | 13.941  | .67652 | 62.933 | 55.709  | 6.2043 | 10570. | 22.338 | 1.3704 |

|    |         |        |        |         |        |         |        |        |
|----|---------|--------|--------|---------|--------|---------|--------|--------|
| #1 | -.00007 | 29.551 | .00047 | -.00002 | .00117 | .00495  | .00026 | 11.509 |
| #2 | -.00006 | 29.270 | .00018 | -.00001 | .00128 | -.00482 | .00036 | 11.734 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00125 | .00073 | 76.049 | .00026 | -.00136 | 3.4159 | .00026 | .03186 |
| Stddev | .00021 | .00010 | .175   | .00002 | .00008  | .0171  | .00003 | .00230 |
| %RSD   | 16.761 | 13.260 | .22993 | 9.3484 | 5.7924  | .50176 | 12.372 | 7.2227 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00110 | .00066 | 76.172 | .00028 | -.00130 | 3.4280 | .00024 | .03023 |
| #2 | .00140 | .00079 | 75.925 | .00024 | -.00141 | 3.4038 | .00028 | .03349 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.8944 | 1.2323 | -.00764 | .00423 | -.02054 | .0455  | .15019 | 4.5125 |
| Stddev | .3313  | .0024  | .00007  | .00041 | .00060  | .0024  | .00025 | .3142  |
| %RSD   | 4.1973 | .19530 | .88260  | 9.7404 | 2.9196  | 5.201  | .16481 | 6.9638 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 8.1287 | 1.2306 | -.00759 | .00452 | -.02011 | .0472 | .15037 | 4.7347 |
| #2 | 7.6601 | 1.2340 | -.00768 | .00394 | -.02096 | .0439 | .15002 | 4.2903 |

Sample Name: J5511-02      Acquired: 10/17/2018 17:59:53      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.0287  
 Stddev      .3220  
 %RSD      31.297

#1      .80104  
 #2      1.2564

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3162.8 | 45162. | 4284.5 | 97.879 | 3509.9 |
| Stddev    | 110.7  | 113.   | 1.0    | 1.509  | 113.2  |
| %RSD      | 3.5014 | .25046 | .02372 | 1.5419 | 3.2252 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3084.5 | 45082. | 4285.3 | 98.946 | 3429.9 |
| #2 | 3241.1 | 45242. | 4283.8 | 96.812 | 3590.0 |

Sample Name: J5511-03      Acquired: 10/17/2018 18:03:55      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00182 | .00071 | -.00501 | -.00083 | -.00482 | -.02385 | .00950 | -.00001 |
| Stddev | .00053 | .00178 | .00106  | .00001  | .00192  | .02155  | .00011 | .00003  |
| %RSD   | 29.046 | 252.63 | 21.209  | .65793  | 39.874  | 90.389  | 1.2082 | 452.46  |

|    |        |         |         |         |         |         |        |         |
|----|--------|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00145 | .00196  | -.00426 | -.00083 | -.00618 | -.03909 | .00942 | .00002  |
| #2 | .00220 | -.00055 | -.00576 | -.00084 | -.00346 | -.00860 | .00958 | -.00003 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00013 | 28.388 | -.00044 | .00001 | .00117 | .00255 | .00023 | 10.978 |
| Stddev | .00004  | .048   | .00025  | .00008 | .00023 | .00451 | .00003 | .076   |
| %RSD   | 28.977  | .16991 | 56.638  | 1130.5 | 19.926 | 177.05 | 12.290 | .69261 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00015 | 28.423 | -.00062 | -.00005 | .00133 | .00573  | .00021 | 11.032 |
| #2 | -.00010 | 28.354 | -.00026 | .00006  | .00100 | -.00064 | .00025 | 10.925 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00144 | .00067 | 71.662 | .00049 | -.00173 | 3.2353 | .00014 | .03705 |
| Stddev | .00131 | .00006 | .025   | .00000 | .00002  | .0032  | .00051 | .00194 |
| %RSD   | 90.855 | 8.3393 | .03429 | .65772 | 1.3149  | .09808 | 373.09 | 5.2416 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00052 | .00063 | 71.679 | .00049 | -.00171 | 3.2331 | .00050  | .03842 |
| #2 | .00237 | .00070 | 71.644 | .00048 | -.00174 | 3.2376 | -.00022 | .03568 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.4241 | 1.2252 | -.00743 | .00637 | -.02095 | .0449  | .14624 | 4.3481 |
| Stddev | .5785  | .0132  | .00037  | .00031 | .00038  | .0034  | .00049 | .0608  |
| %RSD   | 7.7924 | 1.0753 | 5.0162  | 4.9010 | 1.8343  | 7.570  | .33263 | 1.3991 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 7.8331 | 1.2345 | -.00769 | .00615 | -.02122 | .0473 | .14590 | 4.3911 |
| #2 | 7.0150 | 1.2158 | -.00716 | .00659 | -.02068 | .0425 | .14659 | 4.3051 |



Sample Name: J5511-03      Acquired: 10/17/2018 18:03:55      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.6292 |
| Stddev | .3882  |
| %RSD   | 23.827 |

|    |        |
|----|--------|
| #1 | 1.3547 |
| #2 | 1.9037 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3183.3 | 45050. | 4285.4 | 99.738 | 3556.7 |
| Stddev    | 191.5  | 82.    | 35.1   | 2.414  | 245.6  |
| %RSD      | 6.0168 | .18155 | .82022 | 2.4198 | 6.9055 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3047.9 | 44992. | 4260.6 | 98.031 | 3383.0 |
| #2 | 3318.7 | 45108. | 4310.3 | 101.44 | 3730.4 |

Sample Name: PB113876BS      Acquired: 10/17/2018 18:07:57      Type: Unk  
Method: P4-ICP2(v2506)      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    | .70996 | 2.0131 | 1.0172 | 2.1821 | F .95391 | 2.2195 | .21261 |
| Stddev | .00700 | .0019  | .0024  | .0157  | .00000   | .0002  | .00047 |
| %RSD   | .98536 | .09525 | .23395 | .71977 | .00024   | .00927 | .22299 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .70501 | 2.0118 | 1.0155 | 2.1932 | .95391 | 2.2194 | .21295 |
| #2 | .71490 | 2.0145 | 1.0189 | 2.1710 | .95391 | 2.2197 | .21228 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21767 | .20099 | F 1.1865 | .35274 | .21923 | .30928 | 2.7863 |
| Stddev | .00060 | .00001 | .0122    | .00020 | .00001 | .00031 | .0484  |
| %RSD   | .27565 | .00294 | 1.0262   | .05794 | .00562 | .10035 | 1.7386 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21725 | .20099 | 1.1779 | .35288 | .21924 | .30950 | 2.7520 |
| #2 | .21810 | .20100 | 1.1952 | .35259 | .21922 | .30906 | 2.8205 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .21871 | 1.8939 | .48897 | F .05298 | 2.6439 | .25535 | .18985 |
| Stddev | .00003 | .0215  | .00102 | .00062   | .0065  | .00185 | .00202 |
| %RSD   | .01354 | 1.1354 | .20801 | 1.1705   | .24464 | .72565 | 1.0619 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21873 | 1.8787 | .48825 | .05342 | 2.6485 | .25666 | .18843 |
| #2 | .21868 | 1.9091 | .48969 | .05254 | 2.6393 | .25404 | .19128 |

|        |        |        |        |           |        |          |        |
|--------|--------|--------|--------|-----------|--------|----------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899   | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm      | ppm    |
| Avg    | 8.9228 | .37980 | .28195 | F -.01734 | 1.0621 | F .58104 | .21370 |
| Stddev | .0481  | .00014 | .00548 | .00524    | .0069  | .00156   | .00089 |
| %RSD   | .53859 | .03617 | 1.9451 | 30.215    | .65418 | .26813   | .41448 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 8.9568 | .37971 | .28583 | -.01364 | 1.0571 | .57993 | .21308 |
| #2 | 8.8889 | .37990 | .27807 | -.02105 | 1.0670 | .58214 | .21433 |

Sample Name: PB113876BS      Acquired: 10/17/2018 18:07:57      Type: Unk  
Method: P4-ICP2(v2506)      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    | .20545 | F 5.590 | .20165 | F 3.7063 | F<.00000 |
| Stddev | .00072 | .004    | .00254 | .0904    | .07916   |
| %RSD   | .34847 | .0718   | 1.2614 | 2.4399   | 3.6054   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20495 | 5.593 | .20345 | 3.7702 | -2.1396 |
| #2 | .20596 | 5.587 | .19985 | 3.6424 | -2.2516 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2924.1 | 42992. | 4010.6 | 90.778 | 3276.5 |
| Stddev    | 4.0    | 7.     | 19.9   | .833   | 5.7    |
| %RSD      | .13656 | .01564 | .49706 | .91714 | .17505 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2921.3 | 42987. | 3996.5 | 91.367 | 3272.4 |
| #2 | 2926.9 | 42997. | 4024.7 | 90.189 | 3280.6 |

Sample Name: PB113925BS      Acquired: 10/17/2018 18:11:47      Type: Unk  
Method: P4-ICP2(v2506)      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    | .70720 | 2.0253 | 1.0239 | 2.1825 | F .94146 | 2.2065 | .21210 |
| Stddev | .00140 | .0003  | .0006  | .0085  | .00720   | .0216  | .00039 |
| %RSD   | .19827 | .01589 | .05610 | .38912 | .76510   | .97898 | .18616 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .70621 | 2.0255 | 1.0243 | 2.1885 | .94655 | 2.1912 | .21238 |
| #2 | .70819 | 2.0251 | 1.0235 | 2.1765 | .93637 | 2.2218 | .21182 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21756 | .20244 | F 1.1790 | .36076 | .22130 | .30942 | 2.6980 |
| Stddev | .00031 | .00009 | .0196    | .00075 | .00033 | .00134 | .0142  |
| %RSD   | .14181 | .04210 | 1.6615   | .20924 | .15046 | .43169 | .52648 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21734 | .20238 | 1.1651 | .36023 | .22106 | .31037 | 2.6880 |
| #2 | .21778 | .20250 | 1.1928 | .36130 | .22153 | .30848 | 2.7081 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .21988 | 1.8779 | .49439 | F .05264 | 2.6266 | .25509 | .18381 |
| Stddev | .00013 | .0265  | .00022 | .00040   | .0157  | .00070 | .00197 |
| %RSD   | .06017 | 1.4094 | .04540 | .76748   | .59923 | .27440 | 1.0721 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21979 | 1.8966 | .49423 | .05293 | 2.6155 | .25559 | .18241 |
| #2 | .21998 | 1.8592 | .49455 | .05236 | 2.6377 | .25460 | .18520 |

|        |        |        |        |           |        |          |        |
|--------|--------|--------|--------|-----------|--------|----------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899   | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm      | ppm    |
| Avg    | 8.9304 | .37951 | .26672 | F -.02181 | 1.0656 | F .58142 | .21213 |
| Stddev | .0688  | .00015 | .01078 | .00305    | .0086  | .00088   | .00214 |
| %RSD   | .77009 | .03996 | 4.0426 | 13.962    | .81073 | .15177   | 1.0105 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 8.9791 | .37962 | .25909 | -.01966 | 1.0717 | .58204 | .21365 |
| #2 | 8.8818 | .37941 | .27434 | -.02397 | 1.0595 | .58079 | .21062 |

Sample Name: PB113925BS      Acquired: 10/17/2018 18:11:47      Type: Unk  
Method: P4-ICP2(v2506)      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    | .20551 | F 5.613 | .20277 | F 3.5953 | F<.00000 |
| Stddev | .00142 | .013    | .00066 | .1225    | .25898   |
| %RSD   | .69202 | .2348   | .32523 | 3.4070   | 17.780   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20651 | 5.604 | .20324 | 3.5087 | -1.2735 |
| #2 | .20450 | 5.622 | .20231 | 3.6819 | -1.6398 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2931.8 | 43407. | 4011.0 | 94.071 | 3277.7 |
| Stddev    | 26.1   | 32.    | 24.1   | .701   | 13.5   |
| %RSD      | .88963 | .07290 | .60163 | .74541 | .41121 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2913.4 | 43385. | 3994.0 | 94.567 | 3268.2 |
| #2 | 2950.3 | 43429. | 4028.1 | 93.575 | 3287.3 |

Sample Name: PB113875BS      Acquired: 10/17/2018 18:15:36      Type: Unk  
Method: P4-ICP2(v2506)      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    | .70664 | 2.0184 | 1.0190 | 2.1926 | F .94767 | 2.2356 | .21172 |
| Stddev | .00320 | .0049  | .0005  | .0022  | .00114   | .0252  | .00014 |
| %RSD   | .45242 | .24166 | .04763 | .10035 | .12002   | 1.1258 | .06615 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .70438 | 2.0219 | 1.0186 | 2.1941 | .94847 | 2.2534 | .21162 |
| #2 | .70890 | 2.0150 | 1.0193 | 2.1910 | .94686 | 2.2178 | .21182 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21864 | .20161 | F 1.1820 | .35995 | .21965 | .31175 | 2.7885 |
| Stddev | .00081 | .00020 | .0146    | .00208 | .00026 | .00036 | .0817  |
| %RSD   | .37090 | .09845 | 1.2367   | .57852 | .11718 | .11469 | 2.9286 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21806 | .20175 | 1.1923 | .35848 | .21983 | .31150 | 2.7307 |
| #2 | .21921 | .20147 | 1.1716 | .36142 | .21947 | .31200 | 2.8462 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .21940 | 1.9574 | .49313 | F .05310 | 2.6295 | .25523 | .18881 |
| Stddev | .00043 | .0785  | .00046 | .00035   | .0092  | .00164 | .00721 |
| %RSD   | .19608 | 4.0100 | .09262 | .65698   | .35168 | .64112 | 3.8198 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21909 | 1.9019 | .49345 | .05285 | 2.6230 | .25639 | .18371 |
| #2 | .21970 | 2.0129 | .49281 | .05335 | 2.6361 | .25407 | .19391 |

|        |        |        |        |           |        |          |        |
|--------|--------|--------|--------|-----------|--------|----------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899   | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm      | ppm    |
| Avg    | 8.9234 | .38199 | .27443 | F -.02429 | 1.0645 | F .57819 | .21250 |
| Stddev | .0447  | .00031 | .00263 | .00391    | .0237  | .00125   | .00090 |
| %RSD   | .50108 | .08112 | .96015 | 16.094    | 2.2249 | .21605   | .42355 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 8.8918 | .38220 | .27257 | -.02152 | 1.0477 | .57907 | .21314 |
| #2 | 8.9551 | .38177 | .27630 | -.02705 | 1.0812 | .57731 | .21186 |

Sample Name: PB113875BS      Acquired: 10/17/2018 18:15:36      Type: Unk  
Method: P4-ICP2(v2506)      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    | .20698 | F 5.569 | .20289 | F 3.7302 | F<.00000 |
| Stddev | .00349 | .013    | .00025 | .0963    | .47701   |
| %RSD   | 1.6854 | .2306   | .12217 | 2.5811   | 29.613   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20945 | 5.578 | .20306 | 3.7983 | -1.2735 |
| #2 | .20451 | 5.560 | .20271 | 3.6622 | -1.9481 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2927.1 | 43341. | 4031.5 | 92.013 | 3309.1 |
| Stddev    | 7.0    | 70.    | 8.1    | 3.105  | 16.0   |
| %RSD      | .24054 | .16076 | .20210 | 3.3750 | .48300 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2922.1 | 43292. | 4037.3 | 94.208 | 3297.8 |
| #2 | 2932.1 | 43390. | 4025.8 | 89.817 | 3320.4 |

Sample Name: CCV07      Acquired: 10/17/2018 18:19:26      Type: Unk  
Method: P4-ICP2(v2506)      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    | 4.7156 | 5.1124 | 5.3215 | F 5.5820 | F 6.2066 | F 11.613 | 10.403 | F .27929 |
| Stddev | .0059  | .0105  | .0053  | .0078    | .0105    | .036     | .080   | .00032   |
| %RSD   | .12517 | .20464 | .09884 | .13931   | .16971   | .30780   | .76461 | .11288   |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.7115 | 5.1050 | 5.3177 | 5.5765 | 6.2140 | 11.587 | 10.347 | .27951 |
| #2 | 4.7198 | 5.1198 | 5.3252 | 5.5875 | 6.1991 | 11.638 | 10.460 | .27907 |

|        |        |          |          |          |        |        |        |        |
|--------|--------|----------|----------|----------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736   | Cr2677   | Co2286   | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6360 | F 28.159 | F .88073 | F 2.8043 | 1.2507 | 4.6756 | 2.6642 | 24.035 |
| Stddev | .0055  | .227     | .00148   | .0025    | .0000  | .2056  | .0058  | .062   |
| %RSD   | .20698 | .80554   | .16860   | .08846   | .00081 | 4.3974 | .21620 | .25865 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6321 | 27.999 | .87968 | 2.8025 | 1.2507 | 4.5303 | 2.6601 | 23.991 |
| #2 | 2.6398 | 28.320 | .88178 | 2.8060 | 1.2507 | 4.8210 | 2.6683 | 24.079 |

|        |        |        |        |          |        |          |        |        |
|--------|--------|--------|--------|----------|--------|----------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924   | Zn2138 | K_7664   | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm    |
| Avg    | 2.4856 | 1.1337 | 23.266 | F 2.1476 | 2.4147 | F 21.940 | 4.8623 | 4.9283 |
| Stddev | .0063  | .0020  | .134   | .0034    | .1185  | .273     | .0070  | .0327  |
| %RSD   | .25389 | .17730 | .57385 | .15909   | 4.9065 | 1.2435   | .14397 | .66306 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4811 | 1.1322 | 23.172 | 2.1452 | 2.3310 | 21.747 | 4.8574 | 4.9052 |
| #2 | 2.4900 | 1.1351 | 23.360 | 2.1501 | 2.4985 | 22.133 | 4.8673 | 4.9514 |

|        |        |          |          |        |        |        |        |        |
|--------|--------|----------|----------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881   | Sn1899   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9029 | F 5.5705 | F 4.3887 | 5.2151 | 5.3712 | 5.220  | 5.0618 | 5.3242 |
| Stddev | .0243  | .0125    | .0073    | .0007  | .0575  | .008   | .0329  | .3615  |
| %RSD   | .49630 | .22436   | .16624   | .01315 | 1.0706 | .1466  | .64910 | 6.7899 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 4.8857 | 5.5793 | 4.3835 | 5.2146 | 5.3305 | 5.214 | 5.0385 | 5.5798 |
| #2 | 4.9201 | 5.5617 | 4.3938 | 5.2156 | 5.4118 | 5.225 | 5.0850 | 5.0686 |



Sample Name: CCV07      Acquired: 10/17/2018 18:19:26      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.8206  
Stddev      .1396  
%RSD      7.6691

#1      1.7219  
#2      1.9194

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2844.2 | 41805. | 4031.6 | 86.632 | 3011.7 |
| Stddev    | 3.9    | 105.   | 7.3    | 3.970  | 3.4    |
| %RSD      | .13664 | .25190 | .18160 | 4.5830 | .11215 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2841.4 | 41730. | 4026.5 | 89.439 | 3009.4 |
| #2 | 2846.9 | 41879. | 4036.8 | 83.824 | 3014.1 |

Sample Name: CCB07      Acquired: 10/17/2018 18:23:12      Type: Unk  
Method: P4-ICP2(v2506)      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    | -.00007 | .00242 | -.00323 | -.00288 | -.00201 | -.00099 | -.00189 |
| Stddev | .00148  | .00041 | .00016  | .00650  | .00088  | .01249  | .00045  |
| %RSD   | 1984.4  | 16.903 | 4.9963  | 225.63  | 43.967  | 1258.4  | 23.546  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00112 | .00271 | -.00312 | -.00747 | -.00263 | .00784  | -.00158 |
| #2 | .00097  | .00213 | -.00334 | .00171  | -.00138 | -.00983 | -.00221 |

|        |         |        |        |        |         |         |         |
|--------|---------|--------|--------|--------|---------|---------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00001 | .00015 | .01001 | .00013 | -.00003 | -.00030 | -.00619 |
| Stddev | .00002  | .00002 | .00736 | .00017 | .00005  | .00046  | .00595  |
| %RSD   | 197.81  | 11.630 | 73.477 | 132.70 | 146.27  | 152.39  | 96.138  |

|    |         |        |        |        |         |         |         |
|----|---------|--------|--------|--------|---------|---------|---------|
| #1 | -.00002 | .00016 | .01522 | .00025 | -.00007 | .00002  | -.01039 |
| #2 | .00000  | .00013 | .00481 | .00001 | .00000  | -.00063 | -.00198 |

|        |         |         |        |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00041 | -.06718 | .00093 | -.00005 | -.30285 | -.00046 | -.00158 |
| Stddev | .00003  | .02553  | .00001 | .00026  | .00702  | .00029  | .00002  |
| %RSD   | 6.8620  | 38.007  | 1.2238 | 526.79  | 2.3179  | 64.078  | .97369  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00043 | -.08523 | .00094 | -.00023 | -.30781 | -.00025 | -.00159 |
| #2 | -.00039 | -.04912 | .00093 | .00013  | -.29788 | -.00067 | -.00157 |

|        |         |        |         |           |        |         |        |
|--------|---------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.05045 | .00027 | -.00647 | F -.01838 | .01283 | -.00480 | .00611 |
| Stddev | .00906  | .00026 | .00140  | .00084    | .00248 | .00084  | .00116 |
| %RSD   | 17.957  | 95.671 | 21.560  | 4.5829    | 19.338 | 17.540  | 19.040 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.04404 | .00045 | -.00549 | -.01778 | .01107 | -.00420 | .00693 |
| #2 | -.05685 | .00009 | -.00746 | -.01898 | .01458 | -.00539 | .00528 |

Sample Name: CCB07      Acquired: 10/17/2018 18:23:12      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |           |        |        |          |          |
|--------|-----------|--------|--------|----------|----------|
| Elem   | Li6707    | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm       | ppm    | ppm    | ppm      | ppm      |
| Avg    | F -.01558 | -.0096 | .00005 | F 3.7170 | F<.00000 |
| Stddev | .00044    | .0010  | .00005 | .1820    | .21197   |
| %RSD   | 2.8500    | 10.45  | 89.232 | 4.8955   | 1075.0   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.01589 | -.0089 | .00009 | 3.8457 | -.16961 |
| #2 | -.01527 | -.0103 | .00002 | 3.5883 | .13017  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2966.4 | 43737. | 4040.2 | 91.404 | 3368.7 |
| Stddev    | 13.2   | 196.   | 2.4    | 1.149  | 18.4   |
| %RSD      | .44329 | .44860 | .05982 | 1.2571 | .54473 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2975.7 | 43598. | 4041.9 | 92.217 | 3355.7 |
| #2 | 2957.1 | 43875. | 4038.4 | 90.592 | 3381.7 |

Sample Name: J5383-01MS      Acquired: 10/17/2018 18:27:17      Type: Unk  
Method: P4-ICP2(v2506)      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    | .66643 | 1.7800 | .93070 | 2.0364 | .88627 | 2.1060  | .19831 | .20701 | .18376 |
| Stddev | .00646 | .0027  | .00120 | .0087  | .00016 | .0523   | .00009 | .00080 | .00034 |
| %RSD   | .96931 | .15334 | .12903 | .42886 | .01805 | 2.4852  | .04292 | .38819 | .18693 |
| #1     | .66186 | 1.7781 | .92985 | 2.0302 | .88615 | 2.1430  | .19837 | .20644 | .18400 |
| #2     | .67100 | 1.7819 | .93155 | 2.0426 | .88638 | 2.0690  | .19825 | .20757 | .18351 |
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 29.781 | .35107 | .19822 | .27976 | 2.6389 | .20458  | 12.673 | .51071 | .04659 |
| Stddev | .089   | .00167 | .00093 | .00170 | .0229  | .00051  | .011   | .00108 | .00084 |
| %RSD   | .30029 | .47452 | .46856 | .60625 | .86779 | .25098  | .08700 | .21119 | 1.8059 |
| #1     | 29.717 | .34990 | .19757 | .27856 | 2.6227 | .20422  | 12.665 | .51147 | .04600 |
| #2     | 29.844 | .35225 | .19888 | .28096 | 2.6551 | .20494  | 12.681 | .50995 | .04719 |
| 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    | 70.411 | .23601 | .21212 | 11.120 | .35140 | .30380  | 7.3523 | 2.1762 | .53792 |
| Stddev | .274   | .00020 | .00453 | .022   | .00203 | .00390  | .0102  | .0403  | .00142 |
| %RSD   | .38874 | .08656 | 2.1344 | .19410 | .57779 | 1.2830  | .13840 | 1.8514 | .26477 |
| #1     | 70.217 | .23615 | .20891 | 11.104 | .34996 | .30104  | 7.3595 | 2.1477 | .53893 |
| #2     | 70.604 | .23586 | .21532 | 11.135 | .35283 | .30655  | 7.3451 | 2.2047 | .53691 |
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |        |        |        |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |        |        |        |
| Avg    | .18849 | .17237 | 5.415  | .31634 | 4.4138 | .30302  |        |        |        |
| Stddev | .00218 | .00198 | .003   | .00089 | .2819  | .55119  |        |        |        |
| %RSD   | 1.1541 | 1.1504 | .0550  | .28174 | 6.3859 | 181.90  |        |        |        |
| #1     | .19003 | .17377 | 5.413  | .31571 | 4.6131 | -.08673 |        |        |        |
| #2     | .18695 | .17097 | 5.417  | .31697 | 4.2145 | .69277  |        |        |        |

Sample Name: J5383-01MS      Acquired: 10/17/2018 18:27:17      Type: Unk  
Method: P4-ICP2(v2506)      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       | 3070.1 | 44831. | 4195.9 | 95.768 | 3388.0 |
| Stddev    | .6     | 22.    | 38.8   | 1.621  | 10.5   |
| %RSD      | .01946 | .04826 | .92564 | 1.6928 | .30903 |
| #1        | 3069.7 | 44816. | 4223.4 | 96.914 | 3380.6 |
| #2        | 3070.6 | 44846. | 4168.4 | 94.621 | 3395.4 |

Sample Name: J5383-01MSD      Acquired: 10/17/2018 18:31:05      Type: Unk  
Method: P4-ICP2(v2506)      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    | .67137 | 1.7988 | .93135 | 2.0639 | .90776 | 2.1118 | .19942 | .20836 |
| Stddev | .00007 | .0001  | .00078 | .0058  | .00489 | .0149  | .00134 | .00063 |
| %RSD   | .01037 | .00477 | .08379 | .28085 | .53865 | .70625 | .67399 | .30117 |
| #1     | .67142 | 1.7988 | .93080 | 2.0598 | .90430 | 2.1013 | .19847 | .20881 |
| #2     | .67132 | 1.7987 | .93190 | 2.0680 | .91122 | 2.1224 | .20037 | .20792 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18439 | 29.568 | .35551 | .19842 | .28022 | 2.6703 | .20534 | 12.704 |
| Stddev | .00028 | .171   | .00088 | .00014 | .00011 | .0592  | .00145 | .151   |
| %RSD   | .15098 | .57775 | .24777 | .06849 | .03867 | 2.2179 | .70466 | 1.1849 |
| #1     | .18459 | 29.447 | .35614 | .19851 | .28030 | 2.7122 | .20431 | 12.598 |
| #2     | .18419 | 29.689 | .35489 | .19832 | .28015 | 2.6284 | .20636 | 12.811 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51309 | .04591 | 70.590 | .23824 | .21337 | 11.233 | .35817 | .29377 |
| Stddev | .00098 | .00089 | .306   | .00020 | .00485 | .045   | .00018 | .00509 |
| %RSD   | .19022 | 1.9284 | .43400 | .08510 | 2.2722 | .40321 | .04886 | 1.7312 |
| #1     | .51240 | .04528 | 70.373 | .23810 | .21680 | 11.201 | .35804 | .29017 |
| #2     | .51378 | .04653 | 70.807 | .23839 | .20994 | 11.265 | .35829 | .29736 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.3987 | 2.1959 | .55234 | .19489 | .17203 | 5.464  | .32064 | 4.5184 |
| Stddev | .0168  | .0162  | .00233 | .00184 | .00167 | .010   | .00234 | .1072  |
| %RSD   | .22744 | .73820 | .42166 | .94292 | .97163 | .1830  | .72840 | 2.3722 |
| #1     | 7.3868 | 2.1844 | .55399 | .19359 | .17321 | 5.471  | .31898 | 4.5942 |
| #2     | 7.4106 | 2.2074 | .55070 | .19619 | .17085 | 5.457  | .32229 | 4.4426 |

Sample Name: J5383-01MSD      Acquired: 10/17/2018 18:31:05      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .13187  
%RSD      117.47

#1      -.20550  
#2      -.01901

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3041.9 | 44432. | 4152.8 | 95.133 | 3365.4 |
| Stddev    | 6.5    | 13.    | 18.5   | 2.312  | 11.1   |
| %RSD      | .21493 | .02973 | .44518 | 2.4302 | .32962 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3037.2 | 44442. | 4165.9 | 93.498 | 3357.5 |
| #2 | 3046.5 | 44423. | 4139.8 | 96.767 | 3373.2 |

Sample Name: J5383-01A      Acquired: 10/17/2018 18:34:54      Type: Unk  
Method: P4-ICP2(v2506)      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    | .66843 | 1.7834 | .92545 | 2.0547 | .90257 | 2.1249 | .20028 | .20752 | .18291 |
| Stddev | .00270 | .0038  | .00007 | .0061  | .00204 | .0145  | .00067 | .00064 | .00047 |
| %RSD   | .40446 | .21099 | .00744 | .29762 | .22554 | .68149 | .33607 | .30886 | .25495 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .67034 | 1.7807 | .92550 | 2.0504 | .90113 | 2.1147 | .20076 | .20797 | .18324 |
| #2 | .66652 | 1.7860 | .92540 | 2.0591 | .90401 | 2.1352 | .19981 | .20707 | .18258 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 29.431 | .35270 | .19678 | .28008 | 2.6443 | .20415 | 12.483 | .50949 | .04694 |
| Stddev | .114   | .00008 | .00019 | .00053 | .0206  | .00023 | .166   | .00023 | .00099 |
| %RSD   | .38889 | .02344 | .09905 | .18774 | .77941 | .11206 | 1.3288 | .04556 | 2.1097 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 29.512 | .35264 | .19692 | .28046 | 2.6297 | .20399 | 12.600 | .50965 | .04764 |
| #2 | 29.351 | .35275 | .19664 | .27971 | 2.6589 | .20431 | 12.365 | .50932 | .04624 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 70.118 | .23722 | .21090 | 11.188 | .35673 | .29428 | 7.3751 | 2.1642 | .54824 |
| Stddev | .188   | .00053 | .00106 | .006   | .00013 | .02035 | .0191  | .0149  | .00374 |
| %RSD   | .26851 | .22160 | .50412 | .05452 | .03589 | 6.9144 | .25833 | .68917 | .68137 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 70.251 | .23760 | .21015 | 11.183 | .35664 | .27989 | 7.3886 | 2.1747 | .55089 |
| #2 | 69.985 | .23685 | .21166 | 11.192 | .35682 | .30867 | 7.3616 | 2.1536 | .54560 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19636 | .17149 | 5.440  | .31812 | 4.3434 | .19933 |
| Stddev | .00004 | .00049 | .005   | .00029 | .1639  | .04260 |
| %RSD   | .02146 | .28746 | .0876  | .09267 | 3.7736 | 21.373 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .19633 | .17114 | 5.443 | .31833 | 4.2275 | .22945 |
| #2 | .19639 | .17183 | 5.436 | .31791 | 4.4593 | .16920 |



Sample Name: J5383-01A      Acquired: 10/17/2018 18:34:54      Type: Unk  
Method: P4-ICP2(v2506)      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       | 3044.2 | 44578. | 4199.4 | 95.892 | 3374.4 |
| Stddev    | 1.1    | 39.    | 5.9    | .362   | 3.5    |
| %RSD      | .03506 | .08675 | .13960 | .37700 | .10237 |
| #1        | 3044.9 | 44551. | 4195.2 | 96.147 | 3372.0 |
| #2        | 3043.4 | 44606. | 4203.5 | 95.636 | 3376.8 |

Sample Name: J5511-04      Acquired: 10/17/2018 18:38:44      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00265   | .00254 | -.00465 | -.00074 | -.00481 | -.01337 | .01111  | .00007  |
| Stddev | .00203   | .00181 | .00072  | .00087  | .00027  | .01778  | .00008  | .00011  |
| %RSD   | 76.651   | 71.393 | 15.579  | 118.06  | 5.6140  | 133.06  | .73743  | 170.89  |
| #1     | .00121   | .00382 | -.00413 | -.00012 | -.00462 | -.02594 | .01117  | -.00001 |
| #2     | .00408   | .00126 | -.00516 | -.00135 | -.00500 | -.00079 | .01106  | .00015  |
| Elem   | Cd2265   | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00004  | 30.584 | -.00027 | -.00006 | .00124  | .00950  | -.00002 | 17.054  |
| Stddev | .00003   | .034   | .00002  | .00006  | .00010  | .00176  | .00001  | .025    |
| %RSD   | 62.622   | .11115 | 7.5771  | 95.156  | 7.8534  | 18.518  | 57.631  | .14833  |
| #1     | -.00006  | 30.560 | -.00026 | -.00002 | .00131  | .01074  | -.00003 | 17.072  |
| #2     | -.00002  | 30.608 | -.00028 | -.00010 | .00117  | .00825  | -.00001 | 17.037  |
| Elem   | Ni2316   | Ag3280 | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00072   | .00063 | 122.72  | .00062  | -.00087 | 5.0913  | .00037  | .04471  |
| Stddev | .00006   | .00001 | .01     | .00029  | .00022  | .0469   | .00002  | .00555  |
| %RSD   | 8.1356   | 1.3097 | .00593  | 46.938  | 24.976  | .92106  | 5.0383  | 12.416  |
| #1     | .00076   | .00064 | 122.73  | .00041  | -.00071 | 5.1245  | .00036  | .04863  |
| #2     | .00068   | .00063 | 122.71  | .00082  | -.00102 | 5.0582  | .00038  | .04078  |
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | F 12.116 | 1.2147 | -.00891 | .00355  | -.01691 | .0539   | .18285  | 5.0238  |
| Stddev | .056     | .0008  | .00015  | .00076  | .00196  | .0017   | .00039  | .1259   |
| %RSD   | .46214   | .06194 | 1.7214  | 21.498  | 11.618  | 3.218   | .21162  | 2.5063  |
| #1     | 12.155   | 1.2141 | -.00902 | .00409  | -.01830 | .0551   | .18258  | 5.1128  |
| #2     | 12.076   | 1.2152 | -.00881 | .00301  | -.01552 | .0526   | .18312  | 4.9348  |

Sample Name: J5511-04      Acquired: 10/17/2018 18:38:44      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.1800  
Stddev      .4794  
%RSD      40.622

#1      .84108  
#2      1.5190

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3026.9 | 44048. | 4290.5 | 96.126 | 3344.5 |
| Stddev    | 28.4   | 126.   | 7.6    | .427   | 32.6   |
| %RSD      | .93857 | .28543 | .17739 | .44371 | .97430 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3006.8 | 44137. | 4295.8 | 96.427 | 3321.4 |
| #2 | 3047.0 | 43959. | 4285.1 | 95.824 | 3367.5 |

Sample Name: J5511-05      Acquired: 10/17/2018 18:42:47      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00317   | .00140 | -.00392 | -.00448 | -.00387 | -.01565 | .01083  | .00004  |
| Stddev | .00285   | .00050 | .00175  | .00109  | .00157  | .00165  | .00070  | .00009  |
| %RSD   | 89.734   | 35.600 | 44.755  | 24.390  | 40.516  | 10.535  | 6.4436  | 224.89  |
| #1     | .00116   | .00176 | -.00516 | -.00370 | -.00498 | -.01682 | .01132  | .00010  |
| #2     | .00519   | .00105 | -.00268 | -.00525 | -.00276 | -.01449 | .01034  | -.00002 |
| Elem   | Cd2265   | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00008  | 30.567 | -.00012 | -.00017 | .00091  | .00627  | .00002  | 16.758  |
| Stddev | .00004   | .114   | .00009  | .00004  | .00034  | .00451  | .00004  | .010    |
| %RSD   | 42.742   | .37146 | 77.588  | 22.637  | 37.934  | 71.928  | 224.93  | .06245  |
| #1     | -.00011  | 30.486 | -.00019 | -.00020 | .00066  | .00946  | -.00001 | 16.750  |
| #2     | -.00006  | 30.647 | -.00005 | -.00014 | .00115  | .00308  | .00005  | 16.765  |
| Elem   | Ni2316   | Ag3280 | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00048   | .00047 | 118.67  | .00069  | -.00164 | 4.9562  | .00044  | .05619  |
| Stddev | .00026   | .00029 | .49     | .00024  | .00001  | .0086   | .00004  | .00385  |
| %RSD   | 53.796   | 62.549 | .41596  | 35.098  | .73097  | .17273  | 9.4524  | 6.8509  |
| #1     | .00066   | .00068 | 119.02  | .00086  | -.00163 | 4.9623  | .00041  | .05892  |
| #2     | .00030   | .00026 | 118.32  | .00052  | -.00165 | 4.9502  | .00047  | .05347  |
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | F 11.837 | 1.1999 | -.00822 | .00363  | -.02015 | .0524   | .18028  | 4.9200  |
| Stddev | .081     | .0057  | .00011  | .00039  | .00019  | .0000   | .00023  | .1490   |
| %RSD   | .68666   | .47800 | 1.3289  | 10.729  | .95278  | .0340   | .12947  | 3.0286  |
| #1     | 11.779   | 1.1959 | -.00830 | .00391  | -.02029 | .0524   | .18011  | 5.0253  |
| #2     | 11.894   | 1.2040 | -.00815 | .00336  | -.02002 | .0524   | .18044  | 4.8146  |

Sample Name: J5511-05      Acquired: 10/17/2018 18:42:47      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.1651  
Stddev      .1532  
%RSD      13.148

#1      1.0568  
#2      1.2734

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3030.5 | 44208. | 4341.7 | 98.563 | 3334.3 |
| Stddev    | 3.5    | 114.   | 13.6   | .542   | 11.2   |
| %RSD      | .11671 | .25861 | .31404 | .54951 | .33707 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3028.0 | 44289. | 4351.4 | 98.946 | 3342.3 |
| #2 | 3033.0 | 44127. | 4332.1 | 98.180 | 3326.4 |

Sample Name: J5511-06      Acquired: 10/17/2018 18:46:49      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00390 | .00099 | -.00419 | -.00270 | -.00481 | -.01251 | .01097 | .00003 |
| Stddev | .00428 | .00102 | .00043  | .00027  | .00066  | .01072  | .00063 | .00008 |
| %RSD   | 109.72 | 102.87 | 10.194  | 10.087  | 13.728  | 85.689  | 5.6980 | 299.70 |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00087 | .00027 | -.00449 | -.00250 | -.00528 | -.02009 | .01141 | .00008  |
| #2 | .00693 | .00171 | -.00389 | -.00289 | -.00435 | -.00493 | .01053 | -.00003 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00000 | 31.311 | -.00045 | .00013 | .00177 | .00064 | .00007 | 18.836 |
| Stddev | .00000 | .062   | .00018  | .00032 | .00019 | .00939 | .00001 | .077   |
| %RSD   | 29.643 | .19916 | 40.122  | 255.75 | 10.558 | 1473.2 | 20.273 | .40954 |

|    |        |        |         |         |        |         |        |        |
|----|--------|--------|---------|---------|--------|---------|--------|--------|
| #1 | .00000 | 31.355 | -.00032 | -.00010 | .00164 | -.00600 | .00006 | 18.781 |
| #2 | .00000 | 31.266 | -.00058 | .00035  | .00190 | .00728  | .00008 | 18.890 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00072 | .00021 | 135.90 | .00017 | -.00139 | 5.5317 | -.00018 | .06722 |
| Stddev | .00064 | .00006 | .16    | .00010 | .00015  | .0015  | .00009  | .00172 |
| %RSD   | 88.971 | 26.849 | .11830 | 59.969 | 10.717  | .02697 | 53.237  | 2.5585 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00118 | .00025 | 135.79 | .00010 | -.00129 | 5.5327 | -.00011 | .06843 |
| #2 | .00027 | .00017 | 136.02 | .00024 | -.00150 | 5.5306 | -.00024 | .06600 |

|        |          |        |         |        |         |        |        |        |
|--------|----------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 12.843 | 1.2152 | -.00932 | .00590 | -.01760 | .0499  | .18953 | 4.7614 |
| Stddev | .769     | .0086  | .00025  | .00273 | .00114  | .0013  | .00165 | .0352  |
| %RSD   | 5.9863   | .70922 | 2.6414  | 46.227 | 6.4663  | 2.680  | .87125 | .74027 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 12.299 | 1.2091 | -.00914 | .00783 | -.01680 | .0489 | .18836 | 4.7364 |
| #2 | 13.386 | 1.2213 | -.00949 | .00397 | -.01841 | .0508 | .19070 | 4.7863 |

Sample Name: J5511-06      Acquired: 10/17/2018 18:46:49      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.6503  
Stddev      .5285  
%RSD      32.022

#1      2.0240  
#2      1.2766

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3151.2 | 44495. | 4296.6 | 99.690 | 3447.9 |
| Stddev    | 140.6  | 62.    | 14.6   | 1.222  | 170.5  |
| %RSD      | 4.4602 | .13930 | .34016 | 1.2260 | 4.9458 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3250.6 | 44451. | 4306.9 | 98.826 | 3568.5 |
| #2 | 3051.8 | 44539. | 4286.3 | 100.55 | 3327.4 |

Sample Name: J5511-07      Acquired: 10/17/2018 18:50:51      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00403   | .00096 | -.00434 | -.00164 | -.00466 | -.02812 | .01113  | .00008 |
| Stddev | .00126   | .00036 | .00016  | .00216  | .00129  | .02074  | .00046  | .00002 |
| %RSD   | 31.169   | 37.730 | 3.5738  | 131.98  | 27.610  | 73.752  | 4.1696  | 21.407 |
| #1     | .00314   | .00070 | -.00445 | -.00317 | -.00375 | -.04278 | .01146  | .00010 |
| #2     | .00491   | .00121 | -.00423 | -.00011 | -.00556 | -.01345 | .01080  | .00007 |
| Elem   | Cd2265   | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00002  | 32.689 | -.00022 | -.00000 | .00124  | -.00511 | .00021  | 24.114 |
| Stddev | .00008   | .257   | .00057  | .00010  | .00040  | .00341  | .00010  | .044   |
| %RSD   | 523.11   | .78489 | 255.33  | 2569.9  | 32.007  | 66.759  | 45.689  | .18351 |
| #1     | .00004   | 32.870 | -.00063 | -.00008 | .00151  | -.00752 | .00028  | 24.145 |
| #2     | -.00008  | 32.508 | .00018  | .00007  | .00096  | -.00270 | .00014  | 24.083 |
| Elem   | Ni2316   | Ag3280 | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496 |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00060   | .00038 | 177.32  | .00058  | -.00144 | 7.0639  | -.00012 | .08122 |
| Stddev | .00048   | .00026 | .22     | .00001  | .00003  | .0548   | .00022  | .00138 |
| %RSD   | 79.983   | 67.150 | .12180  | 1.0321  | 2.1795  | .77601  | 188.33  | 1.7004 |
| #1     | .00026   | .00020 | 177.16  | .00058  | -.00146 | 7.1026  | .00004  | .08025 |
| #2     | .00095   | .00056 | 177.47  | .00059  | -.00142 | 7.0251  | -.00028 | .08220 |
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | F 16.545 | 1.2072 | -.01094 | .00410  | -.01639 | .0558   | .21944  | 5.0935 |
| Stddev | .894     | .0027  | .00086  | .00050  | .00211  | .0036   | .00037  | .4717  |
| %RSD   | 5.4053   | .22783 | 7.8521  | 12.065  | 12.847  | 6.433   | .16634  | 9.2617 |
| #1     | 17.178   | 1.2053 | -.01033 | .00375  | -.01788 | .0583   | .21919  | 4.7599 |
| #2     | 15.913   | 1.2092 | -.01155 | .00445  | -.01490 | .0532   | .21970  | 5.4270 |



Sample Name: J5511-07      Acquired: 10/17/2018 18:50:51      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.2073 |
| Stddev | .3358  |
| %RSD   | 27.812 |

|    |        |
|----|--------|
| #1 | 1.4447 |
| #2 | .96987 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3124.0 | 44352. | 4321.7 | 96.710 | 3399.1 |
| Stddev    | 147.6  | 361.   | 4.6    | .087   | 156.0  |
| %RSD      | 4.7239 | .81327 | .10643 | .08990 | 4.5906 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3019.6 | 44607. | 4318.4 | 96.771 | 3288.8 |
| #2 | 3228.3 | 44097. | 4324.9 | 96.648 | 3509.5 |

Sample Name: J5511-08      Acquired: 10/17/2018 18:54:59      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00036   | .00095  | -.00419 | -.00208 | -.00410 | .00358  | .01033 | .00002  |
| Stddev | .00180   | .00065  | .00082  | .00012  | .00037  | .00125  | .00015 | .00007  |
| %RSD   | 497.84   | 68.852  | 19.546  | 5.5619  | 8.9404  | 34.937  | 1.4077 | 445.56  |
| #1     | -.00091  | .00141  | -.00361 | -.00200 | -.00384 | .00269  | .01023 | -.00003 |
| #2     | .00163   | .00049  | -.00477 | -.00216 | -.00436 | .00446  | .01043 | .00007  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00012  | 32.543  | -.00026 | .00013  | .00143  | -.00465 | .00026 | 23.577  |
| Stddev | .00001   | .004    | .00000  | .00005  | .00016  | .00444  | .00005 | .209    |
| %RSD   | 5.7626   | .01200  | .29455  | 41.172  | 11.492  | 95.347  | 21.022 | .88570  |
| #1     | -.00013  | 32.546  | -.00027 | .00009  | .00155  | -.00779 | .00030 | 23.429  |
| #2     | -.00012  | 32.541  | -.00026 | .00017  | .00131  | -.00152 | .00022 | 23.724  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00057   | .00049  | 172.80  | .00114  | -.00173 | 6.9374  | .00047 | .08212  |
| Stddev | .00014   | .00082  | .05     | .00001  | .00021  | .0222   | .00001 | .00346  |
| %RSD   | 24.238   | 168.05  | .03109  | .85164  | 12.266  | .32059  | 1.2827 | 4.2104  |
| #1     | .00067   | .00106  | 172.84  | .00113  | -.00188 | 6.9217  | .00048 | .07967  |
| #2     | .00047   | -.00009 | 172.77  | .00114  | -.00158 | 6.9532  | .00047 | .08456  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | F 16.611 | 1.2020  | -.01045 | .00404  | -.01641 | .0564   | .21497 | 4.5368  |
| Stddev | .067     | .0082   | .00027  | .00145  | .00077  | .0013   | .00035 | .1248   |
| %RSD   | .40064   | .68183  | 2.5560  | 35.901  | 4.6768  | 2.254   | .16117 | 2.7512  |
| #1     | 16.658   | 1.1962  | -.01064 | .00506  | -.01695 | .0555   | .21521 | 4.4486  |
| #2     | 16.564   | 1.2078  | -.01026 | .00301  | -.01587 | .0573   | .21472 | 4.6251  |

Sample Name: J5511-08      Acquired: 10/17/2018 18:54:59      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.3762 |
| Stddev | .1217  |
| %RSD   | 8.8415 |

|    |        |
|----|--------|
| #1 | 1.2902 |
| #2 | 1.4623 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3031.6 | 44210. | 4348.5 | 97.927 | 3308.9 |
| Stddev    | 3.8    | 15.    | 9.0    | .400   | 6.9    |
| %RSD      | .12430 | .03370 | .20647 | .40895 | .20924 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3034.3 | 44220. | 4342.2 | 98.210 | 3304.0 |
| #2 | 3029.0 | 44199. | 4354.9 | 97.644 | 3313.8 |

Sample Name: J5511-09      Acquired: 10/17/2018 18:59:01      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00433   | .00141 | -.00357 | -.00401 | -.00409 | -.03280 | .01153 | .00003 |
| Stddev | .00069   | .00145 | .00051  | .00043  | .00036  | .00224  | .00064 | .00001 |
| %RSD   | 15.933   | 102.47 | 14.373  | 10.617  | 8.8124  | 6.8326  | 5.5346 | 25.017 |
| #1     | .00482   | .00244 | -.00321 | -.00431 | -.00435 | -.03439 | .01198 | .00004 |
| #2     | .00384   | .00039 | -.00394 | -.00371 | -.00384 | -.03122 | .01108 | .00002 |
| Elem   | Cd2265   | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00013  | 34.022 | -.00050 | .00020  | .00150  | -.00899 | .00016 | 27.679 |
| Stddev | .00003   | .164   | .00014  | .00007  | .00008  | .00830  | .00006 | .013   |
| %RSD   | 19.947   | .48140 | 28.168  | 35.441  | 5.4447  | 92.297  | 40.363 | .04519 |
| #1     | -.00015  | 34.138 | -.00040 | .00024  | .00144  | -.01486 | .00020 | 27.687 |
| #2     | -.00011  | 33.906 | -.00060 | .00015  | .00155  | -.00312 | .00011 | 27.670 |
| Elem   | Ni2316   | Ag3280 | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00061  | .00040 | 205.02  | .00067  | -.00176 | 8.2172  | .00024 | .09899 |
| Stddev | .00068   | .00030 | .63     | .00040  | .00002  | .0031   | .00017 | .01275 |
| %RSD   | 111.36   | 74.210 | .30876  | 59.702  | 1.2790  | .03777  | 70.160 | 12.876 |
| #1     | -.00013  | .00062 | 205.47  | .00095  | -.00174 | 8.2194  | .00012 | .08998 |
| #2     | -.00109  | .00019 | 204.57  | .00039  | -.00177 | 8.2150  | .00036 | .10800 |
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 20.935 | 1.2185 | -.01239 | .00552  | -.01554 | .0652   | .24101 | 4.5337 |
| Stddev | 1.421    | .0170  | .00017  | .00000  | .00034  | .0050   | .00104 | .3465  |
| %RSD   | 6.7850   | 1.3943 | 1.4016  | .00319  | 2.1910  | 7.644   | .43098 | 7.6431 |
| #1     | 19.931   | 1.2305 | -.01226 | .00552  | -.01578 | .0617   | .24174 | 4.7787 |
| #2     | 21.940   | 1.2065 | -.01251 | .00552  | -.01530 | .0688   | .24027 | 4.2887 |

Sample Name: J5511-09      Acquired: 10/17/2018 18:59:01      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.5387 |
| Stddev | .3076  |
| %RSD   | 19.991 |

|    |        |
|----|--------|
| #1 | 1.3212 |
| #2 | 1.7562 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2886.0 | 44302. | 4346.8 | 99.323 | 3136.9 |
| Stddev    | 182.5  | 405.   | 28.8   | .814   | 187.0  |
| %RSD      | 6.3243 | .91375 | .66342 | .81936 | 5.9616 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3015.0 | 44015. | 4326.4 | 99.898 | 3269.1 |
| #2 | 2756.9 | 44588. | 4367.2 | 98.748 | 3004.6 |

Sample Name: J5511-10      Acquired: 10/17/2018 19:03:09      Type: Unk  
Method: P4-ICP2(v2506)      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    | k .00690 | k .00165 | k -.00505 | k -.00226 | k -.00448 | s -.01593 | .01018 |
| Stddev | .00238   | .00011   | .00044    | .00015    | .00031    | .00458    | .00058 |
| %RSD   | 34.424   | 6.5400   | 8.6717    | 6.4381    | 6.9278    | 28.778    | 5.6615 |

|    |          |          |           |           |           |           |        |
|----|----------|----------|-----------|-----------|-----------|-----------|--------|
| #1 | .00522   | .00158   | -.00536   | -.00236   | -.00470   | -.01269   | .00978 |
| #2 | k .00858 | k .00173 | k -.00474 | k -.00216 | k -.00426 | s -.01917 | .01059 |

|        |           |           |        |          |           |          |          |
|--------|-----------|-----------|--------|----------|-----------|----------|----------|
| Elem   | Be2348    | Cd2265    | Ca3736 | Cr2677   | Co2286    | Cu2247   | Fe2404   |
| Units  | ppm       | ppm       | ppm    | ppm      | ppm       | ppm      | ppm      |
| Avg    | s -.00010 | k -.00011 | 32.868 | s .00023 | k -.00024 | k .00102 | k .00442 |
| Stddev | .00019    | .00002    | .013   | .00047   | .00007    | .00013   | .01025   |
| %RSD   | 188.25    | 14.206    | .03966 | 206.70   | 30.981    | 12.802   | 231.94   |

|    |           |           |        |           |           |          |          |
|----|-----------|-----------|--------|-----------|-----------|----------|----------|
| #1 | .00003    | -.00010   | 32.859 | .00057    | -.00029   | .00112   | -.00283  |
| #2 | s -.00023 | k -.00012 | 32.877 | s -.00011 | k -.00019 | k .00093 | k .01167 |

|        |           |        |          |          |        |          |           |
|--------|-----------|--------|----------|----------|--------|----------|-----------|
| Elem   | Mn2576    | Mg2790 | Ni2316   | Ag3280   | Na5895 | V_2924   | Zn2138    |
| Units  | ppm       | ppm    | ppm      | ppm      | ppm    | ppm      | ppm       |
| Avg    | s -.00008 | 25.985 | k .00050 | s .00082 | 194.43 | s .00052 | k -.00158 |
| Stddev | .00044    | .075   | .00029   | .00004   | .19    | .00005   | .00007    |
| %RSD   | 540.07    | .28915 | 57.565   | 5.4132   | .09917 | 9.2609   | 4.2037    |

|    |           |        |          |          |        |          |           |
|----|-----------|--------|----------|----------|--------|----------|-----------|
| #1 | .00023    | 26.038 | .00070   | .00085   | 194.56 | .00056   | -.00163   |
| #2 | s -.00040 | 25.932 | k .00030 | s .00079 | 194.29 | s .00049 | k -.00154 |

|        |        |        |          |           |          |           |          |
|--------|--------|--------|----------|-----------|----------|-----------|----------|
| Elem   | K_7664 | Mo2020 | B_2496   | S_1820    | Si2881   | Sn1899    | Ti3361   |
| Units  | ppm    | ppm    | ppm      | ppm       | ppm      | ppm       | ppm      |
| Avg    | 7.6699 | .00028 | k .07957 | kF 18.375 | k 1.1983 | k -.00821 | k .00464 |
| Stddev | .0245  | .00023 | .00205   | .033      | .0124    | .00519    | .00233   |
| %RSD   | .31977 | 84.741 | 2.5811   | .18139    | 1.0365   | 63.206    | 50.109   |

|    |        |        |          |          |          |           |          |
|----|--------|--------|----------|----------|----------|-----------|----------|
| #1 | 7.6526 | .00044 | .07812   | 18.399   | 1.2071   | -.01188   | .00629   |
| #2 | 7.6873 | .00011 | k .08103 | k 18.352 | k 1.1895 | k -.00454 | k .00300 |

Sample Name: J5511-10      Acquired: 10/17/2018 19:03:09      Type: Unk  
 Method: P4-ICP2(v2506)      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       | -.01602 | k .0620 | .23045 | 4.0487 | 1.6842 |
| Stddev    | .00022  | .0025   | .00014 | 1.4349 | .0024  |
| %RSD      | 1.3909  | 4.080   | .06147 | 35.440 | .14516 |
| #1        | -.01587 | .0602   | .23055 | 5.0633 | 1.6825 |
| #2        | -.01618 | k .0638 | .23035 | 3.0341 | 1.6860 |
| Int. Std. | Y_2243  | Y_3600  | Y_3710 | In2306 | In2306 |
| Units     | Cts/S   | Cts/S   | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3060.0  | ^ ***** | 4336.9 | 99.740 | 3317.6 |
| Stddev    | 8.3     | -----   | 10.2   | 1.310  | 9.5    |
| %RSD      | .27185  | -----   | .23524 | 1.3130 | .28729 |
| #1        | 3065.9  | 44280.  | 4344.1 | 100.67 | 3310.9 |
| #2        | 3054.1  | ^ ----- | 4329.7 | 98.814 | 3324.4 |

Sample Name: CCV08      Acquired: 10/17/2018 19:07:17      Type: Unk  
Method: P4-ICP2(v2506)      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    | 4.7854 | 5.1509   | 5.3656   | F 5.6981 | F 6.3043 | F 11.824 | 10.570 | F .28357 |
| Stddev | .0068  | .0118    | .0056    | .0017    | .0058    | .088     | .011   | .00031   |
| %RSD   | .14171 | .22853   | .10346   | .03043   | .09203   | .74837   | .09945 | .10861   |
| #1     | 4.7807 | 5.1592   | 5.3616   | 5.6994   | 6.3002   | 11.762   | 10.578 | .28335   |
| #2     | 4.7902 | 5.1426   | 5.3695   | 5.6969   | 6.3084   | 11.887   | 10.563 | .28379   |
| Elem   | Cd2265 | Ca3736   | Cr2677   | Co2286   | Cu2247   | Fe2404   | Mn2576 | Mg2790   |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm    | ppm      |
| Avg    | 2.6601 | F 28.678 | F .89107 | F 2.8361 | 1.2694   | 4.6383   | 2.7014 | 24.220   |
| Stddev | .0001  | .039     | .00294   | .0025    | .0006    | .0431    | .0014  | .041     |
| %RSD   | .00205 | .13497   | .33037   | .08889   | .04923   | .92877   | .05099 | .16840   |
| #1     | 2.6601 | 28.705   | .89315   | 2.8379   | 1.2698   | 4.6688   | 2.7024 | 24.191   |
| #2     | 2.6602 | 28.651   | .88899   | 2.8343   | 1.2689   | 4.6079   | 2.7005 | 24.249   |
| Elem   | Ni2316 | Ag3280   | Na5895   | V_2924   | Zn2138   | K_7664   | Mo2020 | B_2496   |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm    | ppm      |
| Avg    | 2.5119 | 1.1471   | 23.592   | F 2.1753 | 2.3687   | F 22.395 | 4.9242 | 4.9937   |
| Stddev | .0008  | .0020    | .010     | .0014    | .0269    | .002     | .0026  | .0079    |
| %RSD   | .03392 | .17413   | .04160   | .06514   | 1.1348   | .00920   | .05241 | .15885   |
| #1     | 2.5113 | 1.1457   | 23.599   | 2.1763   | 2.3877   | 22.393   | 4.9223 | 4.9993   |
| #2     | 2.5125 | 1.1485   | 23.585   | 2.1743   | 2.3497   | 22.396   | 4.9260 | 4.9881   |
| Elem   | S_1820 | Si2881   | Sn1899   | Ti3361   | Li6707   | P_1774   | Sr4077 | U_3670   |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm    | ppm      |
| Avg    | 4.9944 | F 5.6060 | F 4.4249 | 5.2612   | 5.4726   | 5.292    | 5.1390 | F 5.7894 |
| Stddev | .0006  | .0252    | .0073    | .0048    | .0118    | .026     | .0029  | .3271    |
| %RSD   | .01245 | .45002   | .16506   | .09138   | .21524   | .4894    | .05644 | 5.6501   |
| #1     | 4.9940 | 5.6239   | 4.4300   | 5.2578   | 5.4810   | 5.311    | 5.1370 | 6.0207   |
| #2     | 4.9949 | 5.5882   | 4.4197   | 5.2646   | 5.4643   | 5.274    | 5.1411 | 5.5581   |



Sample Name: CCV08      Acquired: 10/17/2018 19:07:17      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.5950 |
| Stddev | .0022    |
| %RSD   | .13917   |

|    |        |
|----|--------|
| #1 | 1.5934 |
| #2 | 1.5966 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2784.5 | 40984. | 3995.0 | 87.581 | 2958.4 |
| Stddev    | 9.8    | 53.    | 16.3   | 1.322  | 11.6   |
| %RSD      | .35204 | .12825 | .40853 | 1.5097 | .39053 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2777.5 | 40947. | 3983.5 | 86.646 | 2950.2 |
| #2 | 2791.4 | 41021. | 4006.5 | 88.516 | 2966.5 |

Sample Name: CCB08      Acquired: 10/17/2018 19:11:03      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00328 | .00331 | -.00242 | -.00049 | -.00025 | .00494 | -.00030 | .00002 |
| Stddev | .00316 | .00028 | .00082  | .00050  | .00303  | .01214 | .00056  | .00004 |
| %RSD   | 96.519 | 8.5324 | 33.844  | 102.46  | 1219.3  | 245.84 | 183.68  | 246.05 |

|    |        |        |         |         |         |         |         |         |
|----|--------|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00104 | .00351 | -.00300 | -.00013 | .00189  | .01352  | .00009  | -.00001 |
| #2 | .00551 | .00311 | -.00184 | -.00084 | -.00239 | -.00365 | -.00070 | .00004  |

|        |        |        |        |        |        |         |         |        |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00016 | .03253 | .00020 | .00001 | .00000 | -.00327 | -.00032 | .00418 |
| Stddev | .00001 | .00238 | .00004 | .00015 | .00006 | .00855  | .00000  | .11376 |
| %RSD   | 4.5294 | 7.3136 | 18.044 | 1698.0 | 1232.1 | 261.20  | 1.0009  | 2723.5 |

|    |        |        |        |         |         |         |         |         |
|----|--------|--------|--------|---------|---------|---------|---------|---------|
| #1 | .00016 | .03085 | .00023 | -.00010 | -.00004 | -.00932 | -.00031 | -.07627 |
| #2 | .00015 | .03421 | .00017 | .00012  | .00005  | .00277  | -.00032 | .08462  |

|        |        |        |         |         |         |        |        |         |
|--------|--------|--------|---------|---------|---------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00119 | .00051 | -.20382 | -.00037 | -.00130 | .01374 | .00023 | -.00179 |
| Stddev | .00001 | .00030 | .00171  | .00023  | .00004  | .00944 | .00008 | .00750  |
| %RSD   | .87631 | 58.722 | .83906  | 61.511  | 3.2915  | 68.669 | 35.948 | 419.42  |

|    |        |        |         |         |         |        |        |         |
|----|--------|--------|---------|---------|---------|--------|--------|---------|
| #1 | .00120 | .00072 | -.20261 | -.00021 | -.00127 | .02042 | .00029 | .00351  |
| #2 | .00119 | .00030 | -.20503 | -.00053 | -.00133 | .00707 | .00017 | -.00709 |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00121 | .01579 | -.00350 | .00745 | -.01194 | -.0087 | .00026 | 3.9394 |
| Stddev | .00504  | .00096 | .00017  | .00006 | .00023  | .0007  | .00009 | .1332  |
| %RSD   | 417.13  | 6.0877 | 4.9973  | .82637 | 1.9433  | 8.227  | 33.618 | 3.3809 |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00236  | .01647 | -.00337 | .00740 | -.01177 | -.0092 | .00032 | 3.8452 |
| #2 | -.00478 | .01511 | -.00362 | .00749 | -.01210 | -.0082 | .00020 | 4.0336 |

Sample Name: CCB08      Acquired: 10/17/2018 19:11:03      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      .12844  
 %RSD      201.78

#1      .02717  
 #2      -.15447

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2939.9 | 43543. | 4062.4 | 92.579 | 3361.0 |
| Stddev    | 3.7    | 27.    | 4.2    | .937   | 8.0    |
| %RSD      | .12688 | .06195 | .10341 | 1.0120 | .23884 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2937.3 | 43524. | 4065.4 | 91.917 | 3355.3 |
| #2 | 2942.6 | 43562. | 4059.4 | 93.242 | 3366.7 |

Sample Name: J5444-05      Acquired: 10/17/2018 19:20:34      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |         |         |        |        |
|--------|--------|--------|---------|---------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00012 | .00212 | -.00490 | -.00385 | -.00491 | -.01097 | .00834 | .00003 |
| Stddev | .00125 | .00153 | .00147  | .00050  | .00015  | .00364  | .00078 | .00001 |
| %RSD   | 1045.3 | 71.815 | 29.944  | 13.038  | 3.1497  | 33.221  | 9.3769 | 47.314 |

|    |         |        |         |         |         |         |        |        |
|----|---------|--------|---------|---------|---------|---------|--------|--------|
| #1 | -.00077 | .00105 | -.00594 | -.00349 | -.00480 | -.00839 | .00779 | .00002 |
| #2 | .00101  | .00320 | -.00386 | -.00420 | -.00502 | -.01355 | .00889 | .00004 |

|        |         |        |         |        |        |        |         |        |
|--------|---------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00005 | 26.390 | -.00057 | .00016 | .00108 | .00160 | -.00025 | 6.7575 |
| Stddev | .00012  | .127   | .00002  | .00018 | .00036 | .00197 | .00005  | .0022  |
| %RSD   | 228.05  | .48140 | 4.3099  | 111.80 | 33.564 | 123.52 | 18.516  | .03292 |

|    |         |        |         |        |        |        |         |        |
|----|---------|--------|---------|--------|--------|--------|---------|--------|
| #1 | -.00014 | 26.480 | -.00058 | .00029 | .00083 | .00020 | -.00021 | 6.7591 |
| #2 | .00003  | 26.301 | -.00055 | .00003 | .00134 | .00299 | -.00028 | 6.7559 |

|        |        |        |        |         |         |        |         |        |
|--------|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00157 | .00047 | 35.033 | -.00011 | -.00190 | 1.9829 | -.00008 | .01384 |
| Stddev | .00012 | .00022 | .186   | .00006  | .00002  | .0333  | .00046  | .00409 |
| %RSD   | 7.6007 | 46.085 | .53168 | 58.896  | 1.2215  | 1.6803 | 584.98  | 29.529 |

|    |        |        |        |         |         |        |         |        |
|----|--------|--------|--------|---------|---------|--------|---------|--------|
| #1 | .00165 | .00032 | 34.901 | -.00006 | -.00188 | 2.0065 | .00025  | .01673 |
| #2 | .00148 | .00062 | 35.165 | -.00015 | -.00192 | 1.9593 | -.00040 | .01095 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.6991 | 1.1636 | -.00706 | .00317 | -.02052 | .0416  | .11810 | 4.0803 |
| Stddev | .0096  | .0046  | .00041  | .00120 | .00082  | .0013  | .00073 | .0967  |
| %RSD   | .20461 | .39454 | 5.7804  | 37.771 | 3.9993  | 3.020  | .61974 | 2.3687 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 4.6923 | 1.1668 | -.00735 | .00232 | -.02110 | .0407 | .11862 | 4.1487 |
| #2 | 4.7059 | 1.1603 | -.00677 | .00402 | -.01994 | .0424 | .11758 | 4.0120 |

Sample Name: J5444-05      Acquired: 10/17/2018 19:20:34      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.5439  
Stddev      .2255  
%RSD      14.604

#1      1.7033  
#2      1.3845

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3193.2 | 47022. | 4500.3 | 105.35 | 3625.9 |
| Stddev    | 1.4    | 77.    | 23.6   | 2.22   | 15.6   |
| %RSD      | .04314 | .16429 | .52399 | 2.1119 | .42921 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3192.2 | 47077. | 4517.0 | 106.93 | 3636.9 |
| #2 | 3194.2 | 46967. | 4483.6 | 103.78 | 3614.9 |

Sample Name: J5444-06      Acquired: 10/17/2018 19:24:36      Type: Unk  
Method: P4-ICP2(v2506)      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    | -.00047 | .00160 | -.00485 | -.00083 | -.00428 | -.01677 | .00767 | .00005 |
| Stddev | .00458  | .00017 | .00020  | .00552  | .00023  | .00896  | .00048 | .00000 |
| %RSD   | 971.55  | 10.662 | 4.1582  | 663.12  | 5.4008  | 53.415  | 6.2850 | 2.3026 |

|    |         |        |         |         |         |         |        |        |
|----|---------|--------|---------|---------|---------|---------|--------|--------|
| #1 | -.00371 | .00172 | -.00470 | -.00474 | -.00412 | -.02310 | .00733 | .00004 |
| #2 | .00277  | .00148 | -.00499 | .00307  | -.00445 | -.01043 | .00801 | .00005 |

|        |         |        |         |        |        |        |         |        |
|--------|---------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00000 | 26.265 | -.00030 | .00015 | .00120 | .00365 | -.00026 | 6.5948 |
| Stddev | .00003  | .080   | .00020  | .00014 | .00051 | .01121 | .00001  | .0557  |
| %RSD   | 993.86  | .30644 | 67.304  | 95.513 | 42.361 | 306.65 | 2.5468  | .84473 |

|    |         |        |         |        |        |         |         |        |
|----|---------|--------|---------|--------|--------|---------|---------|--------|
| #1 | .00002  | 26.322 | -.00044 | .00025 | .00156 | .01158  | -.00027 | 6.5554 |
| #2 | -.00002 | 26.208 | -.00016 | .00005 | .00084 | -.00427 | -.00026 | 6.6341 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00170 | .00030 | 34.822 | .00037 | -.00190 | 1.9717 | -.00002 | .01590 |
| Stddev | .00003 | .00019 | .002   | .00030 | .00000  | .0374  | .00014  | .00389 |
| %RSD   | 1.6296 | 64.267 | .00656 | 82.332 | .14181  | 1.8995 | 712.52  | 24.465 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00172 | .00016 | 34.820 | .00058 | -.00189 | 1.9453 | .00008  | .01315 |
| #2 | .00168 | .00043 | 34.824 | .00015 | -.00190 | 1.9982 | -.00012 | .01865 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.6362 | 1.1618 | -.00660 | .00524 | -.01994 | .0394  | .11729 | 3.8809 |
| Stddev | .0067  | .0050  | .00023  | .00136 | .00066  | .0001  | .00019 | .0107  |
| %RSD   | .14551 | .42918 | 3.5517  | 25.916 | 3.2874  | .3600  | .16284 | .27591 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 4.6410 | 1.1583 | -.00677 | .00428 | -.02040 | .0395 | .11716 | 3.8733 |
| #2 | 4.6315 | 1.1654 | -.00643 | .00620 | -.01947 | .0393 | .11743 | 3.8885 |

Sample Name: J5444-06      Acquired: 10/17/2018 19:24:36      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .72189  
 Stddev      .03836  
 %RSD      5.3133

#1      .74901  
 #2      .69477

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3211.0 | 47072. | 4484.3 | 102.14 | 3630.6 |
| Stddev    | 19.1   | 162.   | 5.2    | .95    | 19.5   |
| %RSD      | .59496 | .34396 | .11663 | .93482 | .53814 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3197.5 | 46957. | 4488.0 | 102.82 | 3616.7 |
| #2 | 3224.5 | 47186. | 4480.6 | 101.47 | 3644.4 |

Sample Name: J5444-07      Acquired: 10/17/2018 19:28:39      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00293 | .00271 | -.00452 | -.00089 | -.00302 | -.00781 | .00977 | .00000 |
| Stddev | .00013 | .00047 | .00249  | .00095  | .00146  | .02335  | .00100 | .00009 |
| %RSD   | 4.5559 | 17.308 | 55.139  | 107.41  | 48.199  | 298.83  | 10.286 | 2051.7 |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00302 | .00238 | -.00276 | -.00021 | -.00199 | -.02432 | .00906 | .00007  |
| #2 | .00283 | .00305 | -.00628 | -.00156 | -.00405 | .00870  | .01048 | -.00006 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00006 | 28.103 | -.00012 | -.00008 | .00114 | .00476 | .00030 | 9.8368 |
| Stddev | .00002  | .084   | .00019  | .00013  | .00010 | .01478 | .00004 | .1002  |
| %RSD   | 38.947  | .29874 | 150.98  | 154.26  | 9.0943 | 310.47 | 11.948 | 1.0185 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00004 | 28.043 | .00001  | -.00017 | .00107 | .01521  | .00027 | 9.9077 |
| #2 | -.00007 | 28.162 | -.00025 | .00001  | .00122 | -.00569 | .00032 | 9.7660 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00133 | .00034 | 62.335 | .00064 | -.00163 | 2.9108 | -.00004 | .02216 |
| Stddev | .00002 | .00005 | .156   | .00011 | .00014  | .0140  | .00004  | .00199 |
| %RSD   | 1.6937 | 14.873 | .24974 | 17.473 | 8.8904  | .48154 | 108.04  | 8.9973 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00131 | .00037 | 62.445 | .00056 | -.00152 | 2.9207 | -.00007 | .02357 |
| #2 | .00135 | .00030 | 62.225 | .00072 | -.00173 | 2.9009 | -.00001 | .02075 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.9436 | 1.2190 | -.00749 | .00505 | -.01996 | .0440  | .13791 | 4.1109 |
| Stddev | .0072  | .0020  | .00067  | .00019 | .00195  | .0021  | .00066 | .2504  |
| %RSD   | .10418 | .16614 | 8.8852  | 3.7915 | 9.7836  | 4.789  | .48020 | 6.0914 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 6.9488 | 1.2175 | -.00702 | .00519 | -.02134 | .0455 | .13838 | 3.9338 |
| #2 | 6.9385 | 1.2204 | -.00796 | .00492 | -.01858 | .0425 | .13745 | 4.2879 |



Sample Name: J5444-07      Acquired: 10/17/2018 19:28:39      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.3203  
Stddev      .1357  
%RSD      10.280

#1      1.4163  
#2      1.2243

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3176.4 | 46472. | 4444.5 | 100.98 | 3549.6 |
| Stddev    | 2.7    | 167.   | 11.3   | .20    | 4.3    |
| %RSD      | .08404 | .35917 | .25519 | .20010 | .12117 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3174.5 | 46354. | 4452.6 | 100.83 | 3546.5 |
| #2 | 3178.3 | 46590. | 4436.5 | 101.12 | 3552.6 |

Sample Name: J5444-08      Acquired: 10/17/2018 19:32:41      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00491 | .00126 | -.00491 | -.00132 | -.00305 | -.02541 | .00990 | .00001 |
| Stddev | .00253 | .00059 | .00096  | .00035  | .00172  | .00916  | .00141 | .00002 |
| %RSD   | 51.598 | 46.787 | 19.560  | 26.413  | 56.243  | 36.058  | 14.256 | 360.63 |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00312 | .00084 | -.00423 | -.00108 | -.00427 | -.03188 | .01090 | -.00001 |
| #2 | .00671 | .00168 | -.00559 | -.00157 | -.00184 | -.01893 | .00891 | .00002  |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00010 | 27.919 | -.00061 | .00030 | .00165 | .00000 | .00009 | 10.282 |
| Stddev | .00002  | .066   | .00028  | .00003 | .00004 | .00213 | .00004 | .001   |
| %RSD   | 20.054  | .23506 | 46.953  | 11.024 | 2.6643 | 68701. | 41.025 | .00485 |

|    |         |        |         |        |        |         |        |        |
|----|---------|--------|---------|--------|--------|---------|--------|--------|
| #1 | -.00012 | 27.872 | -.00081 | .00028 | .00168 | .00151  | .00007 | 10.282 |
| #2 | -.00009 | 27.965 | -.00040 | .00033 | .00162 | -.00150 | .00012 | 10.281 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00169 | .00028 | 65.502 | .00028 | -.00168 | 3.0216 | .00000 | .02197 |
| Stddev | .00055 | .00035 | .130   | .00007 | .00001  | .0172  | .00012 | .01338 |
| %RSD   | 32.179 | 123.57 | .19912 | 26.393 | .35286  | .57002 | 6357.7 | 60.897 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00131 | .00004 | 65.410 | .00033 | -.00168 | 3.0094 | .00009  | .03142 |
| #2 | .00208 | .00052 | 65.594 | .00023 | -.00167 | 3.0338 | -.00009 | .01251 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.1393 | 1.1907 | -.00822 | .00439 | -.02013 | .0418  | .13903 | 4.3452 |
| Stddev | .0269  | .0098  | .00001  | .00197 | .00097  | .0003  | .00033 | .2213  |
| %RSD   | .37698 | .82060 | .10134  | 44.939 | 4.8340  | .7879  | .23556 | 5.0934 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 7.1583 | 1.1976 | -.00821 | .00300 | -.01945 | .0420 | .13926 | 4.5017 |
| #2 | 7.1203 | 1.1838 | -.00822 | .00579 | -.02082 | .0415 | .13879 | 4.1887 |

Sample Name: J5444-08      Acquired: 10/17/2018 19:32:41      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.6934  
Stddev      .2383  
%RSD      14.071

#1      1.5249  
#2      1.8619

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3183.9 | 46214. | 4404.2 | 100.71 | 3551.4 |
| Stddev    | 18.1   | 113.   | 14.3   | 1.12   | 18.0   |
| %RSD      | .56763 | .24428 | .32486 | 1.1144 | .50656 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3171.1 | 46134. | 4394.1 | 99.919 | 3538.7 |
| #2 | 3196.6 | 46294. | 4414.3 | 101.51 | 3564.1 |

Sample Name: J5444-09      Acquired: 10/17/2018 19:36:44      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00096 | .00213 | -.00438 | -.00196 | -.00262 | -.02014 | .00990 | .00003 |
| Stddev | .00122 | .00071 | .00018  | .00293  | .00150  | .00532  | .00082 | .00000 |
| %RSD   | 127.23 | 33.190 | 4.0037  | 149.18  | 57.046  | 26.410  | 8.3313 | 10.517 |

|    |        |        |         |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00010 | .00163 | -.00450 | .00011  | -.00368 | -.01638 | .00931 | .00002 |
| #2 | .00182 | .00263 | -.00426 | -.00403 | -.00156 | -.02390 | .01048 | .00003 |

|        |         |        |         |        |        |        |         |        |
|--------|---------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00006 | 28.287 | -.00002 | .00015 | .00167 | .00501 | -.00001 | 11.361 |
| Stddev | .00014  | .095   | .00003  | .00007 | .00021 | .00840 | .00010  | .095   |
| %RSD   | 216.70  | .33698 | 178.71  | 47.198 | 12.597 | 167.56 | 891.77  | .83240 |

|    |         |        |         |        |        |         |         |        |
|----|---------|--------|---------|--------|--------|---------|---------|--------|
| #1 | .00003  | 28.354 | .00000  | .00010 | .00152 | .01095  | .00006  | 11.294 |
| #2 | -.00016 | 28.220 | -.00004 | .00020 | .00182 | -.00093 | -.00008 | 11.428 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00110 | .00024 | 74.054 | .00041 | -.00179 | 3.3088 | .00000 | .03183 |
| Stddev | .00015 | .00028 | .641   | .00040 | .00004  | .0399  | .00003 | .00827 |
| %RSD   | 13.404 | 115.22 | .86577 | 97.467 | 2.1095  | 1.2050 | 810.36 | 25.981 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00120 | .00005 | 74.508 | .00068 | -.00181 | 3.2806 | -.00002 | .03768 |
| #2 | .00099 | .00044 | 73.601 | .00013 | -.00176 | 3.3370 | .00002  | .02598 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.8356 | 1.1743 | -.00808 | .00564 | -.01878 | .0430  | .14436 | 3.7674 |
| Stddev | .1618  | .0261  | .00064  | .00160 | .00049  | .0019  | .00044 | 2.4684 |
| %RSD   | 2.0652 | 2.2218 | 7.9566  | 28.304 | 2.5873  | 4.321  | .30647 | 65.519 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 7.9501 | 1.1928 | -.00854 | .00677 | -.01843 | .0443 | .14467 | 5.5128 |
| #2 | 7.7212 | 1.1559 | -.00763 | .00451 | -.01912 | .0417 | .14404 | 2.0220 |

Sample Name: J5444-09      Acquired: 10/17/2018 19:36:44      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.1157  
 Stddev      .2609  
 %RSD      23.382

#1      .93124  
 #2      1.3002

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3217.9 | 46175. | 4423.4 | 99.256 | 3556.6 |
| Stddev    | 58.9   | 6435.  | 7.2    | 4.111  | 56.6   |
| %RSD      | 1.8310 | 13.937 | .16304 | 4.1417 | 1.5902 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3176.3 | 41624. | 4418.3 | 102.16 | 3516.6 |
| #2 | 3259.6 | 50725. | 4428.5 | 96.349 | 3596.6 |

Sample Name: J5444-10      Acquired: 10/17/2018 19:40:46      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00055 | .00240 | -.00436 | -.00264 | -.00338 | -.00834 | .00998 | -.00001 |
| Stddev | .00145 | .00070 | .00099  | .00046  | .00151  | .00501  | .00019 | .00006  |
| %RSD   | 265.71 | 29.014 | 22.608  | 17.336  | 44.707  | 60.144  | 1.8882 | 495.68  |

|    |         |        |         |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|---------|--------|---------|
| #1 | -.00048 | .00289 | -.00367 | -.00296 | -.00231 | -.01188 | .01011 | -.00005 |
| #2 | .00158  | .00191 | -.00506 | -.00232 | -.00445 | -.00479 | .00984 | .00003  |

|        |         |        |         |        |        |         |         |        |
|--------|---------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00010 | 27.663 | -.00038 | .00000 | .00154 | -.00374 | -.00000 | 10.184 |
| Stddev | .00002  | .052   | .00011  | .00009 | .00013 | .01809  | .00002  | .043   |
| %RSD   | 17.041  | .18860 | 30.055  | 11069. | 8.3995 | 483.89  | 492.05  | .41872 |

|    |         |        |         |         |        |         |         |        |
|----|---------|--------|---------|---------|--------|---------|---------|--------|
| #1 | -.00009 | 27.626 | -.00046 | .00007  | .00145 | -.01653 | .00001  | 10.154 |
| #2 | -.00012 | 27.700 | -.00030 | -.00006 | .00164 | .00905  | -.00002 | 10.214 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00131 | .00059 | 64.539 | .00045 | -.00177 | 2.9652 | -.00008 | .02522 |
| Stddev | .00046 | .00013 | .100   | .00005 | .00010  | .0187  | .00026  | .00940 |
| %RSD   | 35.083 | 21.314 | .15460 | 10.483 | 5.4877  | .63012 | 315.35  | 37.260 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00164 | .00068 | 64.610 | .00042 | -.00184 | 2.9784 | .00010  | .03186 |
| #2 | .00099 | .00050 | 64.469 | .00049 | -.00170 | 2.9519 | -.00026 | .01857 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.3364 | 1.1718 | -.00755 | .00418 | -.01765 | .0450  | .13710 | 4.0983 |
| Stddev | .3804  | .0019  | .00001  | .00082 | .00249  | .0028  | .00011 | .2667  |
| %RSD   | 5.1845 | .16144 | .08513  | 19.679 | 14.105  | 6.120  | .08047 | 6.5065 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 7.0674 | 1.1705 | -.00754 | .00476 | -.01941 | .0430 | .13718 | 4.2868 |
| #2 | 7.6053 | 1.1731 | -.00755 | .00360 | -.01589 | .0469 | .13702 | 3.9097 |

Sample Name: J5444-10      Acquired: 10/17/2018 19:40:46      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.1621  
 Stddev      .3010  
 %RSD      25.900

#1      1.3749  
 #2      .94924

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3103.1 | 46585. | 4418.0 | 102.50 | 3468.7 |
| Stddev    | 135.1  | 57.    | .2     | 1.55   | 150.6  |
| %RSD      | 4.3534 | .12338 | .00384 | 1.5120 | 4.3405 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3198.6 | 46626. | 4417.8 | 103.60 | 3575.2 |
| #2 | 3007.6 | 46544. | 4418.1 | 101.41 | 3362.2 |

Sample Name: J5444-11      Acquired: 10/17/2018 19:44:48      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00461 | .00160 | -.00365 | -.00239 | -.00511 | -.01099 | .00853 | .00003 |
| Stddev | .00161 | .00073 | .00066  | .00028  | .00134  | .01114  | .00135 | .00002 |
| %RSD   | 34.993 | 45.810 | 18.057  | 11.896  | 26.146  | 101.42  | 15.798 | 69.786 |

|    |        |        |         |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00347 | .00108 | -.00319 | -.00219 | -.00605 | -.00311 | .00948 | .00005 |
| #2 | .00575 | .00212 | -.00412 | -.00259 | -.00416 | -.01887 | .00757 | .00002 |

|        |         |        |         |        |        |         |         |        |
|--------|---------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00003 | 27.340 | -.00022 | .00021 | .00152 | -.00121 | -.00007 | 9.7498 |
| Stddev | .00001  | .149   | .00036  | .00005 | .00005 | .00308  | .00002  | .0992  |
| %RSD   | 28.102  | .54410 | 161.57  | 24.149 | 3.3521 | 254.03  | 29.245  | 1.0177 |

|    |         |        |         |        |        |         |         |        |
|----|---------|--------|---------|--------|--------|---------|---------|--------|
| #1 | -.00004 | 27.445 | .00003  | .00024 | .00156 | -.00339 | -.00006 | 9.8200 |
| #2 | -.00003 | 27.235 | -.00047 | .00017 | .00149 | .00096  | -.00009 | 9.6797 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00125 | .00046 | 60.549 | .00036 | -.00184 | 2.8731 | .00022 | .02610 |
| Stddev | .00029 | .00023 | .281   | .00040 | .00002  | .0063  | .00012 | .01706 |
| %RSD   | 22.828 | 48.510 | .46374 | 110.47 | .90775  | .21923 | 53.566 | 65.382 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00105 | .00030 | 60.748 | .00008 | -.00185 | 2.8687 | .00014 | .03816 |
| #2 | .00146 | .00062 | 60.351 | .00064 | -.00183 | 2.8776 | .00031 | .01403 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.6175 | 1.1920 | -.00751 | .00553 | -.01885 | .0470  | .13355 | 4.0864 |
| Stddev | .0189  | .0086  | .00094  | .00096 | .00084  | .0018  | .00015 | .2567  |
| %RSD   | .28512 | .71693 | 12.569  | 17.413 | 4.4320  | 3.736  | .11591 | 6.2807 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 6.6308 | 1.1980 | -.00818 | .00622 | -.01826 | .0458 | .13366 | 3.9049 |
| #2 | 6.6042 | 1.1859 | -.00684 | .00485 | -.01944 | .0483 | .13344 | 4.2679 |



Sample Name: J5444-11      Acquired: 10/17/2018 19:44:48      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.8608  
 Stddev      .2528  
 %RSD      13.586

#1      2.0395  
 #2      1.6820

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3194.2 | 46400. | 4404.7 | 101.99 | 3566.3 |
| Stddev    | 3.5    | 12.    | 5.9    | .05    | 14.4   |
| %RSD      | .10826 | .02621 | .13348 | .04878 | .40344 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3191.8 | 46409. | 4400.5 | 102.03 | 3556.1 |
| #2 | 3196.7 | 46392. | 4408.8 | 101.96 | 3576.4 |

Sample Name: J5444-12      Acquired: 10/17/2018 19:48:51      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |         |         |        |        |
|--------|--------|--------|---------|---------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00151 | .00160 | -.00495 | -.00160 | -.00489 | -.01766 | .00969 | .00001 |
| Stddev | .00147 | .00009 | .00041  | .00136  | .00125  | .02390  | .00056 | .00000 |
| %RSD   | 97.222 | 5.4779 | 8.3009  | 85.319  | 25.673  | 135.34  | 5.7346 | 49.114 |

|    |        |        |         |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00256 | .00154 | -.00524 | -.00063 | -.00577 | -.03456 | .00929 | .00001 |
| #2 | .00047 | .00166 | -.00466 | -.00256 | -.00400 | -.00076 | .01008 | .00001 |

|        |         |        |         |         |        |         |         |        |
|--------|---------|--------|---------|---------|--------|---------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00001 | 27.488 | -.00030 | -.00002 | .00170 | -.00872 | -.00015 | 9.7942 |
| Stddev | .00004  | .049   | .00052  | .00022  | .00049 | .00695  | .00009  | .0789  |
| %RSD   | 280.89  | .17663 | 175.53  | 1207.4  | 28.993 | 79.692  | 58.279  | .80568 |

|    |         |        |         |         |        |         |         |        |
|----|---------|--------|---------|---------|--------|---------|---------|--------|
| #1 | -.00004 | 27.523 | .00007  | -.00017 | .00205 | -.00381 | -.00009 | 9.8500 |
| #2 | .00001  | 27.454 | -.00066 | .00014  | .00135 | -.01364 | -.00022 | 9.7384 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00145 | .00030 | 60.566 | .00050 | -.00167 | 2.8871 | -.00009 | .02472 |
| Stddev | .00008 | .00018 | .383   | .00012 | .00009  | .0075  | .00030  | .00682 |
| %RSD   | 5.4222 | 61.211 | .63231 | 24.251 | 5.4511  | .26038 | 318.21  | 27.574 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00139 | .00043 | 60.836 | .00041 | -.00161 | 2.8924 | -.00031 | .01990 |
| #2 | .00151 | .00017 | 60.295 | .00058 | -.00174 | 2.8818 | .00012  | .02954 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.6080 | 1.1909 | -.00785 | .00438 | -.01830 | .0473  | .13339 | 4.2769 |
| Stddev | .0146  | .0065  | .00032  | .00325 | .00040  | .0001  | .00063 | .2119  |
| %RSD   | .22095 | .54192 | 4.0969  | 74.390 | 2.1936  | .1302  | .47242 | 4.9551 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 6.5976 | 1.1954 | -.00763 | .00207 | -.01801 | .0473 | .13384 | 4.1271 |
| #2 | 6.6183 | 1.1863 | -.00808 | .00668 | -.01858 | .0474 | .13295 | 4.4268 |

Sample Name: J5444-12      Acquired: 10/17/2018 19:48:51      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.2856  
Stddev      .3862  
%RSD      30.039

#1      1.5586  
#2      1.0125

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3184.3 | 46170. | 4360.6 | 100.74 | 3553.1 |
| Stddev    | .2     | 113.   | 7.5    | 1.77   | 3.7    |
| %RSD      | .00579 | .24416 | .17292 | 1.7537 | .10382 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3184.1 | 46091. | 4355.3 | 99.495 | 3550.5 |
| #2 | 3184.4 | 46250. | 4365.9 | 101.99 | 3555.7 |

Sample Name: J5444-13      Acquired: 10/17/2018 19:52:53      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00145 | .00277 | -.00482 | -.00074 | -.00345 | -.02370 | .00881 | .00004 |
| Stddev | .00069 | .00111 | .00131  | .00109  | .00101  | .01713  | .00016 | .00012 |
| %RSD   | 47.499 | 39.933 | 27.072  | 147.28  | 29.200  | 72.288  | 1.8212 | 317.46 |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00096 | .00199 | -.00390 | -.00151 | -.00416 | -.03581 | .00870 | -.00005 |
| #2 | .00194 | .00356 | -.00575 | .00003  | -.00274 | -.01158 | .00893 | .00012  |

|        |         |        |         |        |        |         |         |        |
|--------|---------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00006 | 27.316 | -.00067 | .00025 | .00171 | -.00011 | -.00024 | 9.3188 |
| Stddev | .00006  | .166   | .00037  | .00030 | .00043 | .00303  | .00005  | .0230  |
| %RSD   | 91.266  | .60753 | 54.314  | 123.25 | 25.459 | 2738.5  | 21.763  | .24709 |

|    |         |        |         |        |        |         |         |        |
|----|---------|--------|---------|--------|--------|---------|---------|--------|
| #1 | -.00010 | 27.433 | -.00093 | .00046 | .00140 | -.00226 | -.00028 | 9.3351 |
| #2 | -.00002 | 27.198 | -.00042 | .00003 | .00201 | .00203  | -.00021 | 9.3026 |

|        |        |        |        |         |         |        |         |        |
|--------|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00084 | .00071 | 56.793 | -.00016 | -.00190 | 2.7835 | -.00012 | .03152 |
| Stddev | .00014 | .00017 | .411   | .00040  | .00001  | .0320  | .00031  | .00737 |
| %RSD   | 16.234 | 24.356 | .72367 | 245.07  | .78437  | 1.1503 | 253.08  | 23.374 |

|    |        |        |        |         |         |        |         |        |
|----|--------|--------|--------|---------|---------|--------|---------|--------|
| #1 | .00074 | .00059 | 57.084 | -.00045 | -.00189 | 2.7609 | .00010  | .03673 |
| #2 | .00094 | .00083 | 56.502 | .00012  | -.00191 | 2.8061 | -.00034 | .02631 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.3447 | 1.1879 | -.00721 | .00638 | -.01907 | .0508  | .13123 | 4.1052 |
| Stddev | .0210  | .0080  | .00013  | .00073 | .00282  | .0010  | .00075 | .1283  |
| %RSD   | .33014 | .67156 | 1.7522  | 11.366 | 14.777  | 2.013  | .57100 | 3.1252 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 6.3299 | 1.1936 | -.00729 | .00587 | -.02106 | .0515 | .13176 | 4.0145 |
| #2 | 6.3595 | 1.1823 | -.00712 | .00690 | -.01707 | .0501 | .13070 | 4.1959 |

Sample Name: J5444-13      Acquired: 10/17/2018 19:52:53      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.7646  
Stddev      .1869  
%RSD      10.592

#1      1.8967  
#2      1.6324

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3177.1 | 46292. | 4405.2 | 100.41 | 3554.2 |
| Stddev    | 4.2    | 60.    | 30.5   | 3.14   | 6.7    |
| %RSD      | .13079 | .12889 | .69165 | 3.1320 | .18815 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3174.2 | 46334. | 4383.7 | 98.186 | 3549.4 |
| #2 | 3180.1 | 46250. | 4426.8 | 102.63 | 3558.9 |

Sample Name: J5444-14      Acquired: 10/17/2018 19:56:56      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00259 | .00143 | -.00463 | -.00334 | -.00343 | -.00432 | .00878 | .00004 |
| Stddev | .00305 | .00046 | .00135  | .00238  | .00117  | .00188  | .00058 | .00002 |
| %RSD   | 117.65 | 32.114 | 29.167  | 71.289  | 33.987  | 43.520  | 6.5705 | 47.020 |

|    |        |        |         |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00474 | .00110 | -.00367 | -.00166 | -.00260 | -.00565 | .00837 | .00003 |
| #2 | .00044 | .00175 | -.00558 | -.00502 | -.00425 | -.00299 | .00919 | .00005 |

|        |         |        |         |        |        |        |         |        |
|--------|---------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00003 | 27.405 | -.00045 | .00009 | .00137 | .00632 | -.00017 | 9.4333 |
| Stddev | .00009  | .094   | .00018  | .00022 | .00042 | .00976 | .00004  | .0646  |
| %RSD   | 321.67  | .34211 | 40.182  | 239.94 | 30.432 | 154.49 | 22.569  | .68459 |

|    |         |        |         |         |        |         |         |        |
|----|---------|--------|---------|---------|--------|---------|---------|--------|
| #1 | .00003  | 27.339 | -.00057 | -.00006 | .00108 | .01322  | -.00014 | 9.4789 |
| #2 | -.00009 | 27.471 | -.00032 | .00025  | .00167 | -.00058 | -.00019 | 9.3876 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00132 | .00060 | 57.919 | .00035 | -.00189 | 2.8201 | .00014 | .02200 |
| Stddev | .00033 | .00042 | .149   | .00013 | .00002  | .0181  | .00017 | .01133 |
| %RSD   | 24.852 | 70.188 | .25723 | 38.359 | .86731  | .64205 | 122.31 | 51.480 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00109 | .00090 | 57.814 | .00045 | -.00188 | 2.8329 | .00002 | .03001 |
| #2 | .00155 | .00030 | 58.024 | .00026 | -.00190 | 2.8073 | .00026 | .01399 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.3467 | 1.2137 | -.00693 | .00584 | -.01877 | .0514  | .13219 | 4.2904 |
| Stddev | .0647  | .0076  | .00029  | .00190 | .00047  | .0000  | .00079 | .0504  |
| %RSD   | 1.0196 | .62349 | 4.2236  | 32.564 | 2.5032  | .0910  | .60103 | 1.1753 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 6.3924 | 1.2083 | -.00672 | .00450 | -.01910 | .0514 | .13163 | 4.2547 |
| #2 | 6.3009 | 1.2190 | -.00713 | .00719 | -.01844 | .0514 | .13276 | 4.3260 |

Sample Name: J5444-14      Acquired: 10/17/2018 19:56:56      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.6648  
Stddev      .3180  
%RSD      19.099

#1      1.8896  
#2      1.4399

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3204.4 | 46168. | 4349.5 | 101.75 | 3577.7 |
| Stddev    | 25.1   | 124.   | 9.1    | .37    | 28.8   |
| %RSD      | .78230 | .26814 | .21021 | .35876 | .80503 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3186.7 | 46255. | 4356.0 | 101.49 | 3557.3 |
| #2 | 3222.1 | 46080. | 4343.1 | 102.01 | 3598.0 |

Sample Name: CCV09      Acquired: 10/17/2018 20:00:58      Type: Unk  
Method: P4-ICP2(v2506)      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    | 4.7253 | 5.0360   | 5.2656   | F 5.5725 | F 6.1382 | F 11.715 | 10.227 | F .27794 |
| Stddev | .0092  | .0025    | .0123    | .0013    | .0171    | .008     | .056   | .00031   |
| %RSD   | .19388 | .05040   | .23318   | .02323   | .27834   | .06728   | .54991 | .11025   |
| #1     | 4.7188 | 5.0378   | 5.2570   | 5.5734   | 6.1261   | 11.709   | 10.267 | .27772   |
| #2     | 4.7318 | 5.0342   | 5.2743   | 5.5715   | 6.1502   | 11.721   | 10.187 | .27815   |
| Elem   | Cd2265 | Ca3736   | Cr2677   | Co2286   | Cu2247   | Fe2404   | Mn2576 | Mg2790   |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm    | ppm      |
| Avg    | 2.6099 | F 28.652 | F .88158 | F 2.7635 | 1.2359   | 4.5406   | 2.6726 | 24.000   |
| Stddev | .0055  | .266     | .00058   | .0054    | .0004    | .0083    | .0050  | .246     |
| %RSD   | .20984 | .92669   | .06565   | .19444   | .03387   | .18166   | .18821 | 1.0232   |
| #1     | 2.6060 | 28.464   | .88199   | 2.7597   | 1.2362   | 4.5348   | 2.6762 | 23.826   |
| #2     | 2.6137 | 28.840   | .88117   | 2.7673   | 1.2356   | 4.5465   | 2.6690 | 24.173   |
| Elem   | Ni2316 | Ag3280   | Na5895   | V_2924   | Zn2138   | K_7664   | Mo2020 | B_2496   |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm    | ppm      |
| Avg    | 2.4640 | 1.1424   | 22.995   | F 2.1574 | 2.3243   | F 21.941 | 4.8453 | 4.9283   |
| Stddev | .0064  | .0013    | .103     | .0038    | .0037    | .052     | .0048  | .0587    |
| %RSD   | .26072 | .11025   | .44608   | .17816   | .15994   | .23548   | .09915 | 1.1912   |
| #1     | 2.4594 | 1.1415   | 23.067   | 2.1601   | 2.3270   | 21.978   | 4.8419 | 4.8868   |
| #2     | 2.4685 | 1.1433   | 22.922   | 2.1547   | 2.3217   | 21.905   | 4.8487 | 4.9698   |
| Elem   | S_1820 | Si2881   | Sn1899   | Ti3361   | Li6707   | P_1774   | Sr4077 | U_3670   |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm    | ppm      |
| Avg    | 4.8658 | F 5.5779 | F 4.3544 | 5.1628   | 5.3088   | 5.170    | 4.9736 | 5.4711   |
| Stddev | .0135  | .0030    | .0283    | .0294    | .0175    | .004     | .0301  | .4014    |
| %RSD   | .27681 | .05357   | .64882   | .56955   | .33043   | .0764    | .60604 | 7.3361   |
| #1     | 4.8753 | 5.5800   | 4.3344   | 5.1420   | 5.3212   | 5.167    | 4.9949 | 5.7549   |
| #2     | 4.8563 | 5.5758   | 4.3744   | 5.1836   | 5.2964   | 5.172    | 4.9523 | 5.1873   |



Sample Name: CCV09      Acquired: 10/17/2018 20:00:58      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 2.2214  
 Stddev      .3867  
 %RSD      17.409

#1      2.4949  
 #2      1.9480

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2863.1 | 41482. | 4027.0 | 89.768 | 3045.2 |
| Stddev    | 9.2    | 200.   | 10.4   | .521   | 9.6    |
| %RSD      | .32244 | .48277 | .25787 | .58006 | .31495 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2856.6 | 41340. | 4019.7 | 89.400 | 3038.4 |
| #2 | 2869.7 | 41624. | 4034.4 | 90.136 | 3051.9 |

Sample Name: CCB09      Acquired: 10/17/2018 20:04:44      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00053 | .00399 | -.00330 | -.00094 | -.00131 | .00695 | .00123 |
| Stddev | .00033 | .00243 | .00093  | .00046  | .00032  | .00582 | .00147 |
| %RSD   | 61.399 | 60.832 | 28.154  | 48.594  | 24.509  | 83.684 | 119.54 |

|    |        |        |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|
| #1 | .00077 | .00570 | -.00264 | -.00127 | -.00108 | .00284 | .00019 |
| #2 | .00030 | .00227 | -.00395 | -.00062 | -.00154 | .01107 | .00227 |

|        |         |        |        |         |        |        |         |
|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00009 | .00007 | .02693 | -.00043 | .00023 | .00046 | -.00164 |
| Stddev | .00001  | .00003 | .01413 | .00013  | .00004 | .00073 | .00340  |
| %RSD   | 14.705  | 40.455 | 52.459 | 30.014  | 15.799 | 159.70 | 206.49  |

|    |         |        |        |         |        |         |         |
|----|---------|--------|--------|---------|--------|---------|---------|
| #1 | -.00010 | .00005 | .01694 | -.00052 | .00025 | .00097  | -.00405 |
| #2 | -.00008 | .00009 | .03692 | -.00034 | .00020 | -.00006 | .00076  |

|        |         |         |        |        |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00019 | -.03893 | .00108 | .00049 | -.22802 | -.00031 | -.00133 |
| Stddev | .00002  | .05731  | .00059 | .00061 | .00289  | .00015  | .00000  |
| %RSD   | 8.8729  | 147.19  | 54.909 | 124.88 | 1.2694  | 47.131  | .20668  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00020 | .00159  | .00066 | .00006 | -.22597 | -.00042 | -.00133 |
| #2 | -.00018 | -.07946 | .00150 | .00092 | -.23006 | -.00021 | -.00133 |

|        |        |        |         |         |        |         |        |
|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .04259 | .00021 | -.00683 | -.00140 | .01555 | -.00309 | .00390 |
| Stddev | .03785 | .00047 | .00982  | .00033  | .00389 | .00057  | .00037 |
| %RSD   | 88.881 | 223.84 | 143.87  | 23.268  | 25.032 | 18.494  | 9.6052 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .06935 | .00054  | .00012  | -.00163 | .01830 | -.00350 | .00416 |
| #2 | .01582 | -.00012 | -.01377 | -.00117 | .01280 | -.00269 | .00363 |

Sample Name: CCB09      Acquired: 10/17/2018 20:04:44      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |           |        |        |          |          |
|--------|-----------|--------|--------|----------|----------|
| Elem   | Li6707    | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm       | ppm    | ppm    | ppm      | ppm      |
| Avg    | F -.01061 | -.0090 | .00026 | F 3.9285 | F .35066 |
| Stddev | .00076    | .0000  | .00004 | .2494    | .30764   |
| %RSD   | 7.1522    | .3852  | 14.000 | 6.3478   | 87.732   |

|    |         |        |        |        |        |
|----|---------|--------|--------|--------|--------|
| #1 | -.01008 | -.0090 | .00029 | 4.1049 | .56820 |
| #2 | -.01115 | -.0089 | .00024 | 3.7522 | .13312 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3056.1 | 44496. | 4077.1 | 92.563 | 3443.2 |
| Stddev    | 9.6    | 197.   | 29.9   | 1.161  | 9.8    |
| %RSD      | .31352 | .44292 | .73410 | 1.2541 | .28388 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3049.3 | 44357. | 4098.2 | 93.383 | 3436.3 |
| #2 | 3062.8 | 44636. | 4055.9 | 91.742 | 3450.1 |

Sample Name: J5541-02      Acquired: 10/17/2018 20:08:50      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |         |         |        |         |
|--------|--------|--------|---------|---------|---------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00151 | .00244 | -.00353 | -.00410 | -.00278 | -.02389 | .01194 | -.00004 |
| Stddev | .00130 | .00006 | .00074  | .00376  | .00116  | .00032  | .00034 | .00005  |
| %RSD   | 86.364 | 2.4436 | 21.046  | 91.720  | 41.690  | 1.3526  | 2.8088 | 149.05  |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00243 | .00248 | -.00406 | -.00676 | -.00360 | -.02366 | .01171 | .00000  |
| #2 | .00059 | .00240 | -.00300 | -.00144 | -.00196 | -.02411 | .01218 | -.00007 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 26.532 | -.00044 | .00006 | .00138 | .01445 | .00030 | 5.3886 |
| Stddev | .00002  | .065   | .00003  | .00013 | .00030 | .00024 | .00000 | .0166  |
| %RSD   | 26.342  | .24501 | 6.9908  | 195.10 | 21.444 | 1.6946 | 1.3989 | .30773 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00006 | 26.578 | -.00046 | -.00002 | .00159 | .01462 | .00029 | 5.4004 |
| #2 | -.00009 | 26.486 | -.00042 | .00015  | .00117 | .01427 | .00030 | 5.3769 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00196 | .00056 | 22.650 | .00061 | -.00141 | 1.5360 | -.00008 | .02653 |
| Stddev | .00046 | .00098 | .000   | .00055 | .00009  | .0123  | .00013  | .00164 |
| %RSD   | 23.373 | 176.12 | .00059 | 90.396 | 6.1422  | .80309 | 162.28  | 6.1642 |

|    |        |         |        |        |         |        |         |        |
|----|--------|---------|--------|--------|---------|--------|---------|--------|
| #1 | .00164 | -.00014 | 22.650 | .00022 | -.00135 | 1.5447 | .00001  | .02768 |
| #2 | .00229 | .00125  | 22.650 | .00100 | -.00147 | 1.5272 | -.00017 | .02537 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.8188 | 1.4854 | -.00653 | .00325 | -.02032 | .0365  | .11135 | 3.5555 |
| Stddev | .0046  | .0042  | .00018  | .00119 | .00124  | .0005  | .00024 | .1037  |
| %RSD   | .12026 | .28554 | 2.7344  | 36.617 | 6.0958  | 1.305  | .21690 | 2.9153 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.8155 | 1.4824 | -.00666 | .00409 | -.02119 | .0361 | .11152 | 3.6288 |
| #2 | 3.8220 | 1.4884 | -.00641 | .00241 | -.01944 | .0368 | .11118 | 3.4822 |

Sample Name: J5541-02      Acquired: 10/17/2018 20:08:50      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .97286  
Stddev      .67507  
%RSD      69.390

#1      1.4502  
#2      .49552

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3297.2 | 47927. | 4426.5 | 102.00 | 3723.1 |
| Stddev    | 2.1    | 62.    | 3.5    | 1.58   | 18.1   |
| %RSD      | .06346 | .12976 | .07974 | 1.5506 | .48521 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3295.8 | 47971. | 4429.0 | 100.88 | 3735.9 |
| #2 | 3298.7 | 47883. | 4424.0 | 103.12 | 3710.3 |

Sample Name: J5541-03      Acquired: 10/17/2018 20:12:53      Type: Unk  
Method: P4-ICP2(v2506)      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 | .00275 | -.00449 | -.00133 | -.00289 | -.00915 | .01146 | -.00001 |
| Stddev | .00049  | .00018 | .00002  | .00181  | .00009  | .00766  | .00052 | .00000  |
| %RSD   | 26.881  | 6.6441 | .54157  | 135.79  | 3.0365  | 83.765  | 4.4985 | 31.686  |

|    |         |        |         |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|---------|--------|---------|
| #1 | -.00148 | .00262 | -.00447 | -.00005 | -.00295 | -.00373 | .01109 | -.00001 |
| #2 | -.00218 | .00288 | -.00450 | -.00261 | -.00282 | -.01457 | .01182 | -.00001 |

|        |        |        |         |        |        |         |        |        |
|--------|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00005 | 26.530 | -.00035 | .00023 | .00184 | -.00155 | .00015 | 5.3376 |
| Stddev | .00004 | .085   | .00012  | .00003 | .00011 | .00020  | .00001 | .1409  |
| %RSD   | 78.811 | .31970 | 33.282  | 13.547 | 6.1408 | 12.621  | 8.8102 | 2.6404 |

|    |        |        |         |        |        |         |        |        |
|----|--------|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00002 | 26.470 | -.00027 | .00021 | .00192 | -.00168 | .00016 | 5.4373 |
| #2 | .00008 | 26.590 | -.00044 | .00025 | .00176 | -.00141 | .00014 | 5.2380 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00127 | .00038 | 22.403 | .00012 | -.00174 | 1.5438 | .00003 | .02117 |
| Stddev | .00038 | .00038 | .087   | .00029 | .00014  | .0053  | .00022 | .00180 |
| %RSD   | 29.779 | 100.84 | .38643 | 231.01 | 8.0396  | .34192 | 823.24 | 8.4811 |

|    |        |        |        |         |         |        |         |        |
|----|--------|--------|--------|---------|---------|--------|---------|--------|
| #1 | .00100 | .00011 | 22.464 | -.00008 | -.00164 | 1.5476 | .00018  | .01990 |
| #2 | .00153 | .00064 | 22.341 | .00033  | -.00184 | 1.5401 | -.00013 | .02244 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.8333 | 1.4630 | -.00636 | .00487 | -.01951 | .0364  | .11088 | 3.6273 |
| Stddev | .0051  | .0037  | .00022  | .00107 | .00140  | .0023  | .00047 | .2599  |
| %RSD   | .13294 | .24972 | 3.3823  | 22.067 | 7.1509  | 6.195  | .42185 | 7.1638 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.8369 | 1.4604 | -.00621 | .00411 | -.02050 | .0348 | .11122 | 3.8110 |
| #2 | 3.8297 | 1.4656 | -.00651 | .00563 | -.01853 | .0380 | .11055 | 3.4435 |

Sample Name: J5541-03      Acquired: 10/17/2018 20:12:53      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.4677  
Stddev      .0252  
%RSD      1.7142

#1      1.4499  
#2      1.4855

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3282.5 | 47658. | 4460.0 | 103.52 | 3684.9 |
| Stddev    | 3.9    | 169.   | 1.7    | 1.31   | 1.1    |
| %RSD      | .11771 | .35380 | .03887 | 1.2695 | .02981 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3279.8 | 47539. | 4458.8 | 102.59 | 3684.1 |
| #2 | 3285.3 | 47777. | 4461.3 | 104.45 | 3685.7 |

Sample Name: J5541-04      Acquired: 10/17/2018 20:16:56      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00502 | .00187 | -.00479 | -.00226 | -.00412 | -.01120 | .01142 | -.00001 |
| Stddev | .00205 | .00049 | .00041  | .00358  | .00005  | .00511  | .00004 | .00002  |
| %RSD   | 40.939 | 26.318 | 8.5109  | 158.48  | 1.1065  | 45.593  | .33011 | 278.21  |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00356 | .00222 | -.00507 | .00027  | -.00416 | -.00759 | .01145 | .00001  |
| #2 | .00647 | .00152 | -.00450 | -.00479 | -.00409 | -.01481 | .01139 | -.00002 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 26.532 | -.00057 | .00010 | .00131 | .01159 | .00033 | 5.2423 |
| Stddev | .00003  | .044   | .00007  | .00033 | .00038 | .00078 | .00001 | .1475  |
| %RSD   | 65.637  | .16527 | 12.228  | 326.14 | 28.862 | 6.7592 | 3.1234 | 2.8128 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00002 | 26.563 | -.00052 | .00034  | .00158 | .01214 | .00034 | 5.1381 |
| #2 | -.00007 | 26.501 | -.00062 | -.00013 | .00104 | .01103 | .00032 | 5.3466 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00177 | .00031 | 22.923 | .00029 | -.00163 | 1.5553 | .00001 | .00760 |
| Stddev | .00001 | .00030 | .067   | .00006 | .00004  | .0070  | .00024 | .00266 |
| %RSD   | .62759 | 95.659 | .29261 | 21.421 | 2.7135  | .44766 | 1685.4 | 34.942 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00178 | .00052 | 22.970 | .00033 | -.00166 | 1.5504 | -.00016 | .00948 |
| #2 | .00176 | .00010 | 22.876 | .00025 | -.00160 | 1.5602 | .00019  | .00572 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.8772 | 1.4617 | -.00644 | .00551 | -.02030 | .0381  | .11139 | 3.9014 |
| Stddev | .0096  | .0005  | .00055  | .00246 | .00036  | .0009  | .00001 | .4075  |
| %RSD   | .24783 | .03309 | 8.5199  | 44.597 | 1.7795  | 2.262  | .00543 | 10.445 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.8704 | 1.4613 | -.00683 | .00725 | -.02004 | .0375 | .11139 | 3.6133 |
| #2 | 3.8840 | 1.4620 | -.00606 | .00377 | -.02055 | .0388 | .11138 | 4.1896 |



Sample Name: J5541-04      Acquired: 10/17/2018 20:16:56      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.7940  
Stddev      .2855  
%RSD      15.915

#1      1.5921  
#2      1.9959

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3283.8 | 47186. | 4401.1 | 101.53 | 3702.9 |
| Stddev    | 4.7    | 20.    | 2.3    | .86    | 15.0   |
| %RSD      | .14331 | .04296 | .05289 | .84944 | .40568 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3287.1 | 47200. | 4402.8 | 102.14 | 3713.6 |
| #2 | 3280.5 | 47172. | 4399.5 | 100.92 | 3692.3 |

Sample Name: J5541-05      Acquired: 10/17/2018 20:20:58      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00349 | .00110 | -.00550 | -.00409 | -.00330 | .00459 | .01174 | .00000 |
| Stddev | .00013 | .00140 | .00086  | .00059  | .00190  | .00528 | .00085 | .00001 |
| %RSD   | 3.6683 | 127.24 | 15.698  | 14.413  | 57.635  | 114.81 | 7.2049 | 2975.6 |

|    |        |        |         |         |         |        |        |         |
|----|--------|--------|---------|---------|---------|--------|--------|---------|
| #1 | .00340 | .00209 | -.00489 | -.00451 | -.00196 | .00832 | .01233 | -.00001 |
| #2 | .00358 | .00011 | -.00611 | -.00368 | -.00465 | .00086 | .01114 | .00001  |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00005 | 26.797 | -.00077 | .00017 | .00144 | .00794 | .00018 | 5.3033 |
| Stddev | .00014 | .033   | .00055  | .00026 | .00027 | .00384 | .00001 | .0262  |
| %RSD   | 257.22 | .12462 | 71.638  | 154.75 | 18.960 | 48.281 | 4.5927 | .49357 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00015  | 26.773 | -.00038 | .00036  | .00164 | .00523 | .00019 | 5.2848 |
| #2 | -.00004 | 26.820 | -.00116 | -.00002 | .00125 | .01066 | .00018 | 5.3218 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00187 | .00032 | 22.736 | .00035 | -.00181 | 1.5323 | -.00012 | .00961 |
| Stddev | .00046 | .00010 | .031   | .00001 | .00016  | .0461  | .00005  | .01031 |
| %RSD   | 24.451 | 31.924 | .13675 | 3.4462 | 9.0520  | 3.0105 | 44.653  | 107.27 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00219 | .00039 | 22.758 | .00034 | -.00169 | 1.4997 | -.00008 | .01690 |
| #2 | .00155 | .00025 | 22.714 | .00036 | -.00192 | 1.5649 | -.00016 | .00232 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.8570 | 1.4599 | -.00628 | .00388 | -.01938 | .0387  | .11154 | 3.6522 |
| Stddev | .0206  | .0086  | .00005  | .00129 | .00143  | .0017  | .00009 | .0178  |
| %RSD   | .53526 | .58959 | .84338  | 33.304 | 7.3704  | 4.286  | .07917 | .48704 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.8424 | 1.4538 | -.00624 | .00297 | -.01837 | .0376 | .11147 | 3.6648 |
| #2 | 3.8716 | 1.4660 | -.00632 | .00480 | -.02039 | .0399 | .11160 | 3.6396 |

Sample Name: J5541-05      Acquired: 10/17/2018 20:20:58      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.4533  
Stddev      .6302  
%RSD      43.366

#1      1.0076  
#2      1.8989

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3280.3 | 47424. | 4416.9 | 103.68 | 3705.1 |
| Stddev    | 14.2   | 54.    | 2.2    | .57    | 23.2   |
| %RSD      | .43353 | .11450 | .04932 | .54541 | .62604 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3290.3 | 47462. | 4418.5 | 104.08 | 3721.5 |
| #2 | 3270.2 | 47386. | 4415.4 | 103.28 | 3688.7 |

Sample Name: J5541-06      Acquired: 10/17/2018 20:25:01      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |         |         |        |         |
|--------|--------|--------|---------|---------|---------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00283 | .00211 | -.00466 | -.00108 | -.00442 | -.02151 | .01221 | -.00004 |
| Stddev | .00056 | .00061 | .00041  | .00125  | .00206  | .00120  | .00041 | .00010  |
| %RSD   | 19.798 | 28.887 | 8.7752  | 115.46  | 46.688  | 5.5594  | 3.3538 | 220.66  |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00243 | .00168 | -.00437 | -.00020 | -.00588 | -.02236 | .01250 | .00002  |
| #2 | .00323 | .00254 | -.00495 | -.00197 | -.00296 | -.02066 | .01192 | -.00011 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 26.799 | -.00031 | .00002 | .00134 | .00647 | .00019 | 5.1759 |
| Stddev | .00014  | .080   | .00019  | .00019 | .00022 | .01624 | .00001 | .0381  |
| %RSD   | 188.07  | .29794 | 61.998  | 988.32 | 16.159 | 251.18 | 6.9277 | .73611 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | .00002  | 26.743 | -.00044 | -.00011 | .00149 | -.00502 | .00020 | 5.1490 |
| #2 | -.00017 | 26.856 | -.00017 | .00015  | .00119 | .01795  | .00018 | 5.2029 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00202 | .00045 | 22.324 | .00048 | .00086 | 1.5303 | .00015 | .01474 |
| Stddev | .00021 | .00051 | .109   | .00009 | .00003 | .0220  | .00016 | .01128 |
| %RSD   | 10.455 | 112.88 | .49003 | 18.470 | 3.2249 | 1.4371 | 104.01 | 76.499 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00187 | .00009 | 22.246 | .00041 | .00084 | 1.5459 | .00027 | .00677 |
| #2 | .00217 | .00082 | 22.401 | .00054 | .00088 | 1.5148 | .00004 | .02271 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.8595 | 1.4606 | -.00730 | .00518 | -.01936 | .0398  | .11131 | 3.6300 |
| Stddev | .0155  | .0007  | .00045  | .00119 | .00128  | .0016  | .00008 | .0998  |
| %RSD   | .40252 | .04697 | 6.2228  | 23.065 | 6.5884  | 4.130  | .06774 | 2.7495 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.8705 | 1.4601 | -.00762 | .00433 | -.01846 | .0409 | .11126 | 3.5594 |
| #2 | 3.8485 | 1.4610 | -.00697 | .00602 | -.02026 | .0386 | .11137 | 3.7006 |

Sample Name: J5541-06      Acquired: 10/17/2018 20:25:01      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .93287  
Stddev      .47881  
%RSD      51.326

#1      1.2714  
#2      .59430

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3316.2 | 47582. | 4406.4 | 103.52 | 3723.7 |
| Stddev    | 13.3   | 20.    | 21.8   | .72    | 24.0   |
| %RSD      | .40119 | .04256 | .49447 | .69702 | .64483 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3306.8 | 47596. | 4421.8 | 104.03 | 3706.7 |
| #2 | 3325.6 | 47567. | 4391.0 | 103.01 | 3740.7 |

Sample Name: J5541-07      Acquired: 10/17/2018 20:29:03      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00323 | .00105 | -.00472 | -.00356 | -.00236 | .00406 | .00906 | .00004 |
| Stddev | .00324 | .00133 | .00181  | .00198  | .00073  | .01382 | .00009 | .00000 |
| %RSD   | 100.27 | 127.20 | 38.407  | 55.469  | 30.924  | 340.75 | 1.0293 | 3.0375 |

|    |        |        |         |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00552 | .00199 | -.00344 | -.00217 | -.00288 | .01383  | .00913 | .00004 |
| #2 | .00094 | .00011 | -.00601 | -.00496 | -.00184 | -.00572 | .00899 | .00004 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00002 | 26.457 | -.00041 | .00013 | .00157 | .00152 | .00044 | 5.8654 |
| Stddev | .00000  | .086   | .00026  | .00024 | .00048 | .00045 | .00002 | .0002  |
| %RSD   | 9.0165  | .32640 | 62.786  | 185.78 | 30.843 | 29.619 | 4.8788 | .00319 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00002 | 26.396 | -.00059 | -.00004 | .00123 | .00184 | .00042 | 5.8655 |
| #2 | -.00002 | 26.518 | -.00023 | .00030  | .00191 | .00120 | .00045 | 5.8652 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00133 | .00027 | 28.096 | .00011 | -.00159 | 1.7589 | -.00008 | .00812 |
| Stddev | .00009 | .00033 | .191   | .00006 | .00010  | .0232  | .00003  | .00474 |
| %RSD   | 7.0453 | 123.50 | .68139 | 53.821 | 6.1111  | 1.3180 | 35.762  | 58.327 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00139 | .00051 | 28.231 | .00007 | -.00165 | 1.7753 | -.00010 | .01147 |
| #2 | .00126 | .00003 | 27.961 | .00015 | -.00152 | 1.7425 | -.00006 | .00477 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.2088 | 1.3491 | -.00687 | .00384 | -.02002 | .0470  | .11409 | 3.5930 |
| Stddev | .0014  | .0026  | .00055  | .00197 | .00000  | .0014  | .00084 | .1807  |
| %RSD   | .03324 | .19364 | 7.9299  | 51.295 | .01494  | 2.960  | .73192 | 5.0283 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 4.2078 | 1.3510 | -.00726 | .00244 | -.02002 | .0460 | .11468 | 3.4652 |
| #2 | 4.2098 | 1.3473 | -.00649 | .00523 | -.02002 | .0480 | .11350 | 3.7207 |

Sample Name: J5541-07      Acquired: 10/17/2018 20:29:03      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.9396  
 Stddev      .8655  
 %RSD      44.621

#1      2.5516  
 #2      1.3276

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3309.2 | 47694. | 4444.1 | 100.72 | 3697.2 |
| Stddev    | 2.8    | 184.   | 24.0   | 1.00   | 4.3    |
| %RSD      | .08380 | .38624 | .54073 | .99448 | .11613 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3311.2 | 47825. | 4427.2 | 101.43 | 3700.3 |
| #2 | 3307.3 | 47564. | 4461.1 | 100.01 | 3694.2 |

Sample Name: J5541-08      Acquired: 10/17/2018 20:33:05      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00257 | .00134 | -.00508 | -.00488 | -.00230 | -.00489 | .01046 | -.00005 |
| Stddev | .00040 | .00065 | .00091  | .00221  | .00159  | .00339  | .00014 | .00010  |
| %RSD   | 15.589 | 48.376 | 17.869  | 45.362  | 69.278  | 69.419  | 1.3760 | 199.67  |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00229 | .00180 | -.00444 | -.00645 | -.00117 | -.00729 | .01035 | -.00012 |
| #2 | .00286 | .00088 | -.00572 | -.00332 | -.00343 | -.00249 | .01056 | .00002  |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00006 | 26.421 | -.00057 | .00024 | .00107 | .01412 | .00052 | 5.7873 |
| Stddev | .00005  | .022   | .00031  | .00011 | .00005 | .00664 | .00002 | .0240  |
| %RSD   | 95.064  | .08384 | 55.327  | 48.732 | 4.5065 | 47.013 | 3.5595 | .41519 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00002 | 26.405 | -.00079 | .00032 | .00104 | .01881 | .00051 | 5.8043 |
| #2 | -.00009 | 26.437 | -.00034 | .00015 | .00111 | .00942 | .00054 | 5.7703 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00148 | .00045 | 27.891 | .00036 | -.00178 | 1.7337 | -.00004 | .02790 |
| Stddev | .00042 | .00011 | .170   | .00022 | .00003  | .0021  | .00016  | .01494 |
| %RSD   | 28.685 | 24.098 | .60909 | 58.961 | 1.4590  | .12265 | 420.31  | 53.540 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00178 | .00037 | 27.771 | .00021 | -.00179 | 1.7322 | .00008  | .03846 |
| #2 | .00118 | .00052 | 28.011 | .00052 | -.00176 | 1.7352 | -.00016 | .01734 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.1765 | 1.3345 | -.00620 | .00534 | -.01927 | .0449  | .11347 | 3.6937 |
| Stddev | .0434  | .0150  | .00076  | .00202 | .00143  | .0009  | .00028 | .1835  |
| %RSD   | 1.0384 | 1.1208 | 12.325  | 37.815 | 7.4380  | 1.929  | .24319 | 4.9694 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 4.2072 | 1.3239 | -.00566 | .00676 | -.01825 | .0455 | .11327 | 3.5639 |
| #2 | 4.1459 | 1.3451 | -.00674 | .00391 | -.02028 | .0443 | .11366 | 3.8235 |



Sample Name: J5541-08      Acquired: 10/17/2018 20:33:05      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.6781  
Stddev      .1924  
%RSD      11.466

#1      1.8141  
#2      1.5420

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3333.0 | 47385. | 4420.8 | 101.35 | 3713.3 |
| Stddev    | 29.4   | 76.    | 41.6   | .71    | 36.0   |
| %RSD      | .88125 | .16046 | .94168 | .69923 | .97007 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3312.2 | 47439. | 4450.2 | 100.85 | 3687.9 |
| #2 | 3353.7 | 47331. | 4391.4 | 101.85 | 3738.8 |

Sample Name: J5541-09      Acquired: 10/17/2018 20:37:08      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00054 | .00215 | -.00385 | -.00172 | -.00462 | -.01641 | .00866 | .00000 |
| Stddev | .00322 | .00033 | .00089  | .00289  | .00018  | .00460  | .00037 | .00003 |
| %RSD   | 595.78 | 15.586 | 23.006  | 168.39  | 3.9467  | 28.053  | 4.3225 | 1163.8 |

|    |         |        |         |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|---------|--------|---------|
| #1 | -.00174 | .00239 | -.00448 | -.00376 | -.00449 | -.01966 | .00893 | .00003  |
| #2 | .00282  | .00191 | -.00322 | .00033  | -.00475 | -.01315 | .00840 | -.00002 |

|        |        |        |         |        |        |         |        |        |
|--------|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00003 | 26.715 | -.00055 | .00020 | .00163 | -.00023 | .00034 | 5.8711 |
| Stddev | .00005 | .127   | .00032  | .00011 | .00033 | .01302  | .00002 | .1136  |
| %RSD   | 168.11 | .47604 | 58.065  | 52.827 | 20.116 | 5608.3  | 5.5911 | 1.9356 |

|    |         |        |         |        |        |         |        |        |
|----|---------|--------|---------|--------|--------|---------|--------|--------|
| #1 | -.00001 | 26.805 | -.00078 | .00013 | .00140 | .00898  | .00033 | 5.7908 |
| #2 | .00007  | 26.625 | -.00032 | .00028 | .00186 | -.00944 | .00035 | 5.9515 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00167 | .00045 | 28.005 | .00044 | -.00150 | 1.7790 | -.00017 | .02183 |
| Stddev | .00010 | .00008 | .062   | .00003 | .00007  | .0384  | .00033  | .01705 |
| %RSD   | 5.9266 | 18.454 | .22047 | 7.4897 | 4.4728  | 2.1607 | 189.92  | 78.076 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00174 | .00051 | 28.049 | .00042 | -.00145 | 1.8062 | -.00041 | .03389 |
| #2 | .00160 | .00039 | 27.962 | .00046 | -.00154 | 1.7519 | .00006  | .00978 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.1906 | 1.3312 | -.00663 | .00659 | -.01942 | .0476  | .11394 | 3.2832 |
| Stddev | .0436  | .0009  | .00050  | .00111 | .00072  | .0002  | .00016 | .4632  |
| %RSD   | 1.0412 | .06891 | 7.5408  | 16.907 | 3.6823  | .4286  | .14092 | 14.107 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 4.2215 | 1.3319 | -.00698 | .00580 | -.01892 | .0477 | .11405 | 2.9557 |
| #2 | 4.1598 | 1.3306 | -.00627 | .00738 | -.01993 | .0474 | .11382 | 3.6108 |

Sample Name: J5541-09      Acquired: 10/17/2018 20:37:08      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.9159  
Stddev      .1366  
%RSD      7.1313

#1      1.8193  
#2      2.0125

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3331.9 | 47575. | 4501.7 | 105.14 | 3722.4 |
| Stddev    | 12.0   | 22.    | 9.1    | 1.06   | 15.1   |
| %RSD      | .35987 | .04679 | .20151 | 1.0108 | .40578 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3340.4 | 47559. | 4495.3 | 104.39 | 3711.8 |
| #2 | 3323.4 | 47590. | 4508.1 | 105.89 | 3733.1 |

Sample Name: J5541-10      Acquired: 10/17/2018 20:41:10      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00079 | .00193 | -.00478 | -.00317 | -.00513 | -.00750 | .01029 | .00003 |
| Stddev | .00167 | .00056 | .00083  | .00348  | .00001  | .02227  | .00124 | .00002 |
| %RSD   | 210.23 | 29.053 | 17.332  | 109.72  | .24278  | 296.98  | 12.050 | 79.998 |

|    |         |        |         |         |         |         |        |        |
|----|---------|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00197  | .00232 | -.00537 | -.00564 | -.00513 | .00825  | .00941 | .00001 |
| #2 | -.00039 | .00153 | -.00420 | -.00071 | -.00514 | -.02324 | .01117 | .00004 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | 26.334 | -.00073 | .00012 | .00157 | .00052 | .00027 | 5.7906 |
| Stddev | .00006  | .132   | .00025  | .00028 | .00008 | .00750 | .00003 | .0454  |
| %RSD   | 174.74  | .49973 | 33.985  | 229.45 | 5.0145 | 1447.7 | 10.459 | .78418 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00008 | 26.241 | -.00090 | .00032  | .00162 | -.00479 | .00025 | 5.7585 |
| #2 | .00001  | 26.428 | -.00055 | -.00008 | .00151 | .00582  | .00029 | 5.8227 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00164 | .00072 | 27.840 | .00024 | -.00176 | 1.7464 | -.00007 | .01217 |
| Stddev | .00022 | .00027 | .054   | .00006 | .00012  | .0098  | .00008  | .00299 |
| %RSD   | 13.275 | 37.310 | .19220 | 23.578 | 6.9016  | .55818 | 112.70  | 24.573 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00148 | .00053 | 27.802 | .00020 | -.00167 | 1.7533 | -.00001 | .01005 |
| #2 | .00179 | .00090 | 27.878 | .00027 | -.00184 | 1.7395 | -.00013 | .01428 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.2227 | 1.3361 | -.00695 | .00559 | -.02064 | .0457  | .11409 | 3.6605 |
| Stddev | .0057  | .0071  | .00055  | .00024 | .00297  | .0005  | .00041 | .2050  |
| %RSD   | .13598 | .52909 | 7.9402  | 4.2313 | 14.379  | 1.022  | .36249 | 5.6000 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 4.2268 | 1.3311 | -.00656 | .00575 | -.01854 | .0453 | .11438 | 3.8054 |
| #2 | 4.2187 | 1.3411 | -.00734 | .00542 | -.02274 | .0460 | .11380 | 3.5155 |

Sample Name: J5541-10      Acquired: 10/17/2018 20:41:10      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.6199  
Stddev      .2364  
%RSD      14.592

#1      1.4528  
#2      1.7871

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3332.8 | 47558. | 4454.3 | 103.28 | 3711.6 |
| Stddev    | 2.5    | 242.   | 5.8    | 2.58   | 8.4    |
| %RSD      | .07552 | .50894 | .13055 | 2.4937 | .22553 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3334.5 | 47387. | 4458.4 | 101.46 | 3717.5 |
| #2 | 3331.0 | 47729. | 4450.2 | 105.10 | 3705.6 |

Sample Name: J5543-02      Acquired: 10/17/2018 20:45:12      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00234 | .00180 | -.00467 | -.00336 | -.00389 | -.00938 | .00840 | .00002 |
| Stddev | .00359 | .00010 | .00062  | .00165  | .00165  | .00548  | .00077 | .00005 |
| %RSD   | 153.50 | 5.2960 | 13.317  | 49.118  | 42.341  | 58.413  | 9.1630 | 214.24 |

|    |         |        |         |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|---------|--------|---------|
| #1 | -.00020 | .00186 | -.00423 | -.00219 | -.00272 | -.00551 | .00786 | .00005  |
| #2 | .00488  | .00173 | -.00511 | -.00452 | -.00505 | -.01326 | .00894 | -.00001 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00001 | 26.826 | -.00042 | .00008 | .00131 | .00272 | .00091 | 6.8808 |
| Stddev | .00000  | .000   | .00013  | .00000 | .00049 | .01597 | .00001 | .0546  |
| %RSD   | 24.321  | .00150 | 29.791  | .29068 | 37.518 | 587.55 | .87085 | .79430 |

|    |         |        |         |        |        |         |        |        |
|----|---------|--------|---------|--------|--------|---------|--------|--------|
| #1 | -.00001 | 26.827 | -.00034 | .00008 | .00096 | .01401  | .00091 | 6.8421 |
| #2 | -.00001 | 26.826 | -.00051 | .00008 | .00165 | -.00857 | .00092 | 6.9194 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00095 | .00057 | 37.423 | .00029 | -.00112 | 2.1225 | .00007 | .01792 |
| Stddev | .00007 | .00032 | .126   | .00011 | .00002  | .0436  | .00015 | .00007 |
| %RSD   | 7.1172 | 54.930 | .33784 | 36.226 | 1.6331  | 2.0560 | 216.07 | .39622 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00090 | .00080 | 37.334 | .00037 | -.00113 | 2.0917 | .00018  | .01797 |
| #2 | .00100 | .00035 | 37.512 | .00022 | -.00111 | 2.1534 | -.00004 | .01787 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.8738 | 1.2566 | -.00725 | .00463 | -.01872 | .0513  | .11945 | 3.4969 |
| Stddev | .0194  | .0090  | .00013  | .00013 | .00142  | .0026  | .00090 | .2185  |
| %RSD   | .39723 | .71419 | 1.8338  | 2.8232 | 7.5970  | 5.138  | .75293 | 6.2479 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 4.8601 | 1.2503 | -.00734 | .00454 | -.01772 | .0494 | .12008 | 3.3424 |
| #2 | 4.8875 | 1.2630 | -.00715 | .00473 | -.01973 | .0532 | .11881 | 3.6514 |

Sample Name: J5543-02      Acquired: 10/17/2018 20:45:12      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.4688  
Stddev      .9790  
%RSD      66.656

#1      2.1611  
#2      .77652

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3330.1 | 47539. | 4483.4 | 103.72 | 3686.0 |
| Stddev    | 2.6    | 117.   | 27.7   | 1.04   | 10.4   |
| %RSD      | .07895 | .24508 | .61815 | 1.0007 | .28131 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3328.2 | 47457. | 4503.0 | 102.99 | 3693.3 |
| #2 | 3331.9 | 47622. | 4463.8 | 104.45 | 3678.6 |

Sample Name: CCV10      Acquired: 10/17/2018 20:49:15      Type: Unk  
Method: P4-ICP2(v2506)      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    | 4.6677 | 4.9799   | 5.1438   | 5.3578   | F 5.8817 | F 11.311 | 10.015 | .27184 |
| Stddev | .0154  | .0136    | .0097    | .0066    | .0051    | .030     | .076   | .00010 |
| %RSD   | .33027 | .27256   | .18810   | .12298   | .08602   | .26467   | .75429 | .03703 |
| #1     | 4.6786 | 4.9895   | 5.1370   | 5.3625   | 5.8852   | 11.290   | 10.069 | .27177 |
| #2     | 4.6568 | 4.9703   | 5.1506   | 5.3531   | 5.8781   | 11.332   | 9.9620 | .27192 |
| Elem   | Cd2265 | Ca3736   | Cr2677   | Co2286   | Cu2247   | Fe2404   | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm    | ppm    |
| Avg    | 2.5518 | F 27.927 | F .88321 | 2.6774   | 1.1733   | F 4.4633 | 2.6232 | 23.655 |
| Stddev | .0006  | .055     | .00076   | .0030    | .0013    | .0428    | .0065  | .019   |
| %RSD   | .02454 | .19647   | .08553   | .11215   | .11183   | .95958   | .24741 | .07954 |
| #1     | 2.5513 | 27.888   | .88267   | 2.6753   | 1.1742   | 4.4936   | 2.6186 | 23.642 |
| #2     | 2.5522 | 27.965   | .88374   | 2.6795   | 1.1723   | 4.4330   | 2.6277 | 23.668 |
| Elem   | Ni2316 | Ag3280   | Na5895   | V_2924   | Zn2138   | K_7664   | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm    | ppm    |
| Avg    | 2.4232 | 1.1736   | 22.901   | F 2.1688 | 2.2988   | F 22.185 | 4.7934 | 4.9052 |
| Stddev | .0009  | .0028    | .133     | .0066    | .0183    | .176     | .0025  | .0201  |
| %RSD   | .03805 | .23631   | .57882   | .30339   | .79556   | .79132   | .05138 | .40938 |
| #1     | 2.4239 | 1.1716   | 22.995   | 2.1641   | 2.3117   | 22.309   | 4.7951 | 4.8910 |
| #2     | 2.4226 | 1.1755   | 22.807   | 2.1734   | 2.2858   | 22.061   | 4.7917 | 4.9194 |
| Elem   | S_1820 | Si2881   | Sn1899   | Ti3361   | Li6707   | P_1774   | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm    | ppm    |
| Avg    | 4.7822 | 5.3943   | F 4.3600 | 5.0279   | 5.2149   | 5.058    | 4.9106 | 4.7986 |
| Stddev | .0181  | .0147    | .0093    | .0099    | .0316    | .011     | .0360  | .1939  |
| %RSD   | .37855 | .27290   | .21318   | .19714   | .60529   | .2262    | .73219 | 4.0408 |
| #1     | 4.7950 | 5.4048   | 4.3666   | 5.0349   | 5.2372   | 5.066    | 4.9360 | 4.6615 |
| #2     | 4.7694 | 5.3839   | 4.3534   | 5.0209   | 5.1926   | 5.050    | 4.8852 | 4.9357 |



Sample Name: CCV10      Acquired: 10/17/2018 20:49:15      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.4902  
Stddev      .2853  
%RSD      11.458

#1      2.2884  
#2      2.6920

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3028.4 | 42879. | 4141.5 | 92.342 | 3186.0 |
| Stddev    | 9.1    | 64.    | 32.6   | 1.038  | 8.9    |
| %RSD      | .29992 | .14890 | .78688 | 1.1239 | .27957 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3022.0 | 42833. | 4118.4 | 91.608 | 3179.7 |
| #2 | 3034.8 | 42924. | 4164.5 | 93.076 | 3192.3 |

Sample Name: CCB10      Acquired: 10/17/2018 20:53:01      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00015 | .00173 | -.00297 | .00065 | -.00230 | -.00228 | -.00035 | -.00006 |
| Stddev | .00215 | .00016 | .00094  | .00151 | .00037  | .01615  | .00074  | .00006  |
| %RSD   | 1458.5 | 9.0627 | 31.719  | 232.32 | 15.996  | 709.41  | 209.13  | 96.301  |

|    |         |        |         |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|---------|
| #1 | -.00137 | .00161 | -.00363 | -.00042 | -.00255 | .00914  | -.00088 | -.00002 |
| #2 | .00167  | .00184 | -.00230 | .00172  | -.00204 | -.01370 | .00017  | -.00011 |

|        |        |        |         |        |        |        |         |         |
|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00010 | .01595 | -.00075 | .00022 | .00003 | .00715 | -.00026 | -.02666 |
| Stddev | .00001 | .01590 | .00002  | .00008 | .00021 | .00154 | .00004  | .01376  |
| %RSD   | 8.4646 | 99.686 | 2.8469  | 36.519 | 630.67 | 21.498 | 16.854  | 51.599  |

|    |        |        |         |        |         |        |         |         |
|----|--------|--------|---------|--------|---------|--------|---------|---------|
| #1 | .00010 | .00471 | -.00073 | .00028 | .00018  | .00606 | -.00029 | -.03639 |
| #2 | .00009 | .02720 | -.00076 | .00016 | -.00011 | .00823 | -.00023 | -.01694 |

|        |        |        |         |         |         |         |        |         |
|--------|--------|--------|---------|---------|---------|---------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00088 | .00052 | -.23460 | -.00018 | -.00124 | -.01195 | .00034 | -.00599 |
| Stddev | .00016 | .00044 | .01583  | .00039  | .00005  | .00408  | .00004 | .01322  |
| %RSD   | 17.699 | 84.668 | 6.7479  | 212.89  | 3.9173  | 34.122  | 10.902 | 220.85  |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00100 | .00021 | -.24580 | .00009  | -.00120 | -.01484 | .00031 | .00336  |
| #2 | .00077 | .00084 | -.22341 | -.00046 | -.00127 | -.00907 | .00036 | -.01533 |

|        |         |        |         |        |         |        |        |          |
|--------|---------|--------|---------|--------|---------|--------|--------|----------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670   |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | -.00554 | .01570 | -.00291 | .00642 | -.00962 | -.0083 | .00021 | F 3.0899 |
| Stddev | .00046  | .00488 | .00072  | .00141 | .00029  | .0019  | .00004 | .1249    |
| %RSD   | 8.2289  | 31.059 | 24.876  | 22.033 | 2.9747  | 22.62  | 17.295 | 4.0415   |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | -.00587 | .01915 | -.00240 | .00742 | -.00983 | -.0070 | .00023 | 3.0016 |
| #2 | -.00522 | .01225 | -.00343 | .00542 | -.00942 | -.0097 | .00018 | 3.1783 |

Sample Name: CCB10      Acquired: 10/17/2018 20:53:01      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .11583  
Stddev      .07394  
%RSD      63.834

#1      .16811  
#2      .06355

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3187.4 | 45404. | 4186.1 | 95.404 | 3576.4 |
| Stddev    | 19.0   | 7.     | 1.2    | 1.762  | 1.9    |
| %RSD      | .59492 | .01472 | .02941 | 1.8467 | .05174 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3174.0 | 45409. | 4185.3 | 94.158 | 3577.7 |
| #2 | 3200.8 | 45400. | 4187.0 | 96.650 | 3575.1 |

Sample Name: J5543-03      Acquired: 10/17/2018 20:57:07      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00070 | .00295 | -.00450 | -.00399 | -.00482 | -.00282 | .01127 | .00004 |
| Stddev | .00216 | .00015 | .00108  | .00124  | .00067  | .01946  | .00055 | .00000 |
| %RSD   | 307.44 | 5.1650 | 23.973  | 31.104  | 13.816  | 690.24  | 4.8542 | 6.4766 |

|    |         |        |         |         |         |         |        |        |
|----|---------|--------|---------|---------|---------|---------|--------|--------|
| #1 | -.00082 | .00306 | -.00526 | -.00487 | -.00435 | -.01658 | .01088 | .00004 |
| #2 | .00223  | .00285 | -.00374 | -.00311 | -.00529 | .01094  | .01165 | .00004 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00005 | 26.701 | -.00019 | .00003 | .00127 | .01209 | .00375 | 5.1320 |
| Stddev | .00006 | .036   | .00020  | .00015 | .00002 | .00712 | .00005 | .0881  |
| %RSD   | 121.33 | .13625 | 105.46  | 464.90 | 1.4392 | 58.886 | 1.2949 | 1.7161 |

|    |        |        |         |         |        |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00010 | 26.727 | -.00005 | -.00007 | .00126 | .00705 | .00379 | 5.1943 |
| #2 | .00001 | 26.676 | -.00033 | .00014  | .00129 | .01712 | .00372 | 5.0698 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00169 | .00062 | 20.977 | .00043 | -.00132 | 1.4897 | .00017 | .00513 |
| Stddev | .00037 | .00016 | .039   | .00055 | .00012  | .0180  | .00005 | .00480 |
| %RSD   | 21.801 | 25.567 | .18599 | 126.67 | 9.2591  | 1.2081 | 27.175 | 93.557 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00195 | .00051 | 20.950 | .00082 | -.00123 | 1.5024 | .00020 | .00852 |
| #2 | .00143 | .00073 | 21.005 | .00005 | -.00141 | 1.4769 | .00014 | .00174 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.8849 | 1.5392 | -.00750 | .00578 | -.01866 | .0354  | .11311 | 3.0437 |
| Stddev | .0364  | .0142  | .00054  | .00335 | .00176  | .0015  | .00017 | .0537  |
| %RSD   | .93598 | .92137 | 7.2150  | 57.983 | 9.4333  | 4.218  | .15368 | 1.7646 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.9106 | 1.5493 | -.00789 | .00341 | -.01990 | .0364 | .11323 | 3.0057 |
| #2 | 3.8592 | 1.5292 | -.00712 | .00815 | -.01741 | .0343 | .11299 | 3.0816 |

Sample Name: J5543-03      Acquired: 10/17/2018 20:57:07      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.8129  
 Stddev      .1048  
 %RSD      5.7779

#1      1.8870  
 #2      1.7388

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3443.0 | 48813. | 4491.1 | 104.84 | 3839.6 |
| Stddev    | 2.8    | 31.    | 5.8    | 1.39   | 19.0   |
| %RSD      | .08077 | .06349 | .12823 | 1.3225 | .49520 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3441.1 | 48791. | 4487.0 | 103.86 | 3826.1 |
| #2 | 3445.0 | 48835. | 4495.2 | 105.82 | 3853.0 |

Sample Name: J5543-04      Acquired: 10/17/2018 21:01:10      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00085 | .00287 | -.00458 | -.00046 | -.00387 | -.01753 | .01170 | .00000 |
| Stddev | .00059 | .00085 | .00038  | .00143  | .00021  | .01353  | .00038 | .00007 |
| %RSD   | 69.159 | 29.659 | 8.3866  | 311.85  | 5.3942  | 77.213  | 3.2373 | 4753.5 |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00126 | .00347 | -.00485 | .00055  | -.00402 | -.02710 | .01197 | -.00005 |
| #2 | .00043 | .00227 | -.00431 | -.00147 | -.00372 | -.00796 | .01144 | .00005  |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00002 | 26.410 | -.00011 | .00024 | .00120 | .01668 | .00155 | 5.0284 |
| Stddev | .00001  | .014   | .00018  | .00007 | .00025 | .00781 | .00008 | .1002  |
| %RSD   | 46.112  | .05208 | 166.20  | 30.004 | 21.166 | 46.814 | 5.1508 | 1.9916 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00002 | 26.400 | -.00024 | .00019 | .00102 | .02220 | .00149 | 5.0992 |
| #2 | -.00001 | 26.419 | .00002  | .00029 | .00138 | .01116 | .00161 | 4.9576 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00201 | .00063 | 20.383 | .00049 | -.00155 | 1.5178 | -.00006 | .02355 |
| Stddev | .00018 | .00029 | .148   | .00036 | .00000  | .0538  | .00005  | .00886 |
| %RSD   | 8.7876 | 45.676 | .72845 | 73.120 | .06555  | 3.5435 | 89.664  | 37.627 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00213 | .00083 | 20.278 | .00075 | -.00154 | 1.4797 | -.00002 | .02981 |
| #2 | .00188 | .00043 | 20.488 | .00024 | -.00155 | 1.5558 | -.00010 | .01728 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.8670 | 1.5032 | -.00705 | .00719 | -.02021 | .0387  | .11283 | 3.3402 |
| Stddev | .0295  | .0186  | .00024  | .00100 | .00055  | .0008  | .00008 | .2417  |
| %RSD   | .76286 | 1.2358 | 3.3604  | 13.967 | 2.7231  | 2.157  | .07275 | 7.2346 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.8462 | 1.4901 | -.00722 | .00648 | -.02060 | .0393 | .11288 | 3.1693 |
| #2 | 3.8879 | 1.5164 | -.00688 | .00790 | -.01982 | .0381 | .11277 | 3.5110 |

Sample Name: J5543-04      Acquired: 10/17/2018 21:01:10      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.0254 |
| Stddev | .1512  |
| %RSD   | 14.742 |

|    |        |
|----|--------|
| #1 | .91851 |
| #2 | 1.1323 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3417.8 | 48459. | 4513.5 | 103.06 | 3807.5 |
| Stddev    | 12.3   | 100.   | 38.1   | .20    | 8.4    |
| %RSD      | .35974 | .20694 | .84520 | .19049 | .22112 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3426.4 | 48530. | 4540.5 | 103.20 | 3813.5 |
| #2 | 3409.1 | 48388. | 4486.5 | 102.93 | 3801.6 |

Sample Name: J5543-05      Acquired: 10/17/2018 21:05:13      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00303 | .00162 | -.00511 | -.00503 | -.00464 | -.01309 | .01226 | .00001 |
| Stddev | .00181 | .00128 | .00064  | .00003  | .00112  | .00367  | .00014 | .00001 |
| %RSD   | 59.853 | 78.803 | 12.460  | .62885  | 24.019  | 28.018  | 1.1624 | 94.504 |

|    |        |        |         |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00175 | .00072 | -.00556 | -.00506 | -.00543 | -.01050 | .01216 | .00002 |
| #2 | .00431 | .00253 | -.00466 | -.00501 | -.00385 | -.01568 | .01236 | .00000 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | 26.641 | -.00037 | .00006 | .00193 | .01717 | .00116 | 4.9494 |
| Stddev | .00004  | .065   | .00018  | .00005 | .00022 | .00004 | .00004 | .0312  |
| %RSD   | 102.35  | .24212 | 48.295  | 88.762 | 11.468 | .25320 | 3.8690 | .63043 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00006 | 26.595 | -.00024 | .00002 | .00208 | .01720 | .00119 | 4.9715 |
| #2 | -.00001 | 26.687 | -.00050 | .00010 | .00177 | .01714 | .00113 | 4.9273 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00149 | .00048 | 20.360 | .00034 | -.00168 | 1.4846 | .00007 | .01182 |
| Stddev | .00004 | .00021 | .005   | .00057 | .00002  | .0136  | .00027 | .00886 |
| %RSD   | 2.5165 | 43.156 | .02231 | 166.83 | 1.1120  | .91874 | 380.21 | 74.910 |

|    |        |        |        |         |         |        |         |        |
|----|--------|--------|--------|---------|---------|--------|---------|--------|
| #1 | .00151 | .00063 | 20.356 | .00075  | -.00169 | 1.4943 | -.00012 | .01808 |
| #2 | .00146 | .00034 | 20.363 | -.00006 | -.00166 | 1.4750 | .00026  | .00556 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.8583 | 1.5128 | -.00667 | .00562 | -.01992 | .0378  | .11229 | 3.4826 |
| Stddev | .0027  | .0187  | .00047  | .00184 | .00011  | .0006  | .00032 | .1477  |
| %RSD   | .06911 | 1.2361 | 6.9819  | 32.785 | .57066  | 1.691  | .28544 | 4.2418 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.8602 | 1.4996 | -.00700 | .00432 | -.02000 | .0382 | .11206 | 3.5871 |
| #2 | 3.8565 | 1.5260 | -.00634 | .00692 | -.01984 | .0373 | .11252 | 3.3782 |



Sample Name: J5543-05      Acquired: 10/17/2018 21:05:13      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.9330  
 Stddev      .0482  
 %RSD      2.4954

#1      1.9671  
 #2      1.8989

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3408.9 | 48242. | 4490.9 | 105.30 | 3798.9 |
| Stddev    | 2.6    | 62.    | 19.8   | .62    | 6.4    |
| %RSD      | .07686 | .12917 | .43997 | .58465 | .16956 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3410.8 | 48286. | 4504.9 | 105.73 | 3794.3 |
| #2 | 3407.0 | 48198. | 4477.0 | 104.86 | 3803.5 |

Sample Name: J5543-06      Acquired: 10/17/2018 21:09:15      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00256 | .00278 | -.00684 | -.00363 | -.00430 | -.01154 | .01362 | -.00002 |
| Stddev | .00062 | .00044 | .00041  | .00073  | .00030  | .00959  | .00063 | .00000  |
| %RSD   | 24.188 | 15.909 | 6.0374  | 20.040  | 7.0444  | 83.115  | 4.6133 | 6.3552  |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00300 | .00309 | -.00713 | -.00312 | -.00451 | -.01832 | .01407 | -.00002 |
| #2 | .00212 | .00246 | -.00654 | -.00415 | -.00408 | -.00476 | .01318 | -.00002 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00002 | 26.754 | -.00056 | .00016 | .00147 | .01601 | .00035 | 4.9477 |
| Stddev | .00001  | .139   | .00054  | .00010 | .00025 | .00296 | .00008 | .0285  |
| %RSD   | 37.641  | .51918 | 96.271  | 64.025 | 17.088 | 18.484 | 22.355 | .57578 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00002 | 26.656 | -.00094 | .00024 | .00165 | .01392 | .00041 | 4.9678 |
| #2 | -.00003 | 26.852 | -.00018 | .00009 | .00129 | .01810 | .00029 | 4.9276 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00213 | .00009 | 20.157 | .00004 | -.00090 | 1.5237 | -.00002 | .00310 |
| Stddev | .00001 | .00006 | .108   | .00018 | .00015  | .0418  | .00009  | .00261 |
| %RSD   | .41005 | 68.022 | .53455 | 429.16 | 17.263  | 2.7421 | 378.75  | 84.205 |

|    |        |        |        |         |         |        |         |        |
|----|--------|--------|--------|---------|---------|--------|---------|--------|
| #1 | .00213 | .00005 | 20.233 | .00017  | -.00079 | 1.4941 | -.00008 | .00495 |
| #2 | .00212 | .00014 | 20.081 | -.00008 | -.00101 | 1.5532 | .00004  | .00126 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.8574 | 1.5229 | -.00685 | .00614 | -.01935 | .0351  | .11344 | 3.0475 |
| Stddev | .0007  | .0224  | .00035  | .00153 | .00149  | .0001  | .00046 | .2355  |
| %RSD   | .01737 | 1.4737 | 5.0509  | 24.862 | 7.7205  | .4105  | .40522 | 7.7286 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.8569 | 1.5388 | -.00710 | .00722 | -.01830 | .0352 | .11311 | 2.8809 |
| #2 | 3.8578 | 1.5070 | -.00661 | .00506 | -.02041 | .0350 | .11376 | 3.2140 |

Sample Name: J5543-06      Acquired: 10/17/2018 21:09:15      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.8628  
Stddev      .7050  
%RSD      37.846

#1      2.3613  
#2      1.3643

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3424.9 | 48517. | 4502.5 | 104.52 | 3805.0 |
| Stddev    | 4.4    | 129.   | 21.1   | 2.63   | 5.1    |
| %RSD      | .12894 | .26511 | .46919 | 2.5145 | .13358 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3428.0 | 48608. | 4487.5 | 102.66 | 3801.4 |
| #2 | 3421.8 | 48426. | 4517.4 | 106.38 | 3808.6 |

Sample Name: J5543-07      Acquired: 10/17/2018 21:13:18      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00459 | .00155 | -.00505 | -.00351 | -.00445 | -.00716 | .01191 | -.00000 |
| Stddev | .00264 | .00028 | .00033  | .00061  | .00017  | .02678  | .00088 | .00009  |
| %RSD   | 57.560 | 18.063 | 6.4864  | 17.481  | 3.8809  | 374.03  | 7.4038 | 2022.9  |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00272 | .00136 | -.00529 | -.00308 | -.00433 | .01178  | .01253 | .00006  |
| #2 | .00646 | .00175 | -.00482 | -.00395 | -.00458 | -.02609 | .01128 | -.00007 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00001 | 26.336 | -.00024 | .00006 | .00165 | .00629 | .00009 | 4.8458 |
| Stddev | .00008 | .083   | .00043  | .00008 | .00001 | .00380 | .00003 | .0998  |
| %RSD   | 818.86 | .31456 | 180.64  | 149.68 | .79906 | 60.453 | 32.789 | 2.0599 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00007  | 26.395 | -.00054 | .00012  | .00164 | .00360 | .00007 | 4.9164 |
| #2 | -.00005 | 26.278 | .00007  | -.00000 | .00166 | .00898 | .00011 | 4.7753 |

|        |        |        |        |         |         |        |         |        |
|--------|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00156 | .00040 | 19.945 | -.00021 | -.00155 | 1.4941 | -.00008 | .01377 |
| Stddev | .00001 | .00004 | .066   | .00023  | .00002  | .0177  | .00005  | .00326 |
| %RSD   | .95835 | 9.7640 | .33162 | 113.85  | 1.5883  | 1.1873 | 62.020  | 23.652 |

|    |        |        |        |         |         |        |         |        |
|----|--------|--------|--------|---------|---------|--------|---------|--------|
| #1 | .00157 | .00042 | 19.992 | -.00037 | -.00157 | 1.4815 | -.00012 | .01607 |
| #2 | .00155 | .00037 | 19.898 | -.00004 | -.00154 | 1.5066 | -.00005 | .01147 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.8402 | 1.5142 | -.00685 | .00417 | -.02026 | .0367  | .11245 | 2.8460 |
| Stddev | .0472  | .0076  | .00044  | .00060 | .00028  | .0022  | .00006 | .4119  |
| %RSD   | 1.2283 | .50479 | 6.4033  | 14.385 | 1.3763  | 5.962  | .05551 | 14.473 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.8068 | 1.5196 | -.00654 | .00459 | -.02006 | .0383 | .11250 | 2.5548 |
| #2 | 3.8736 | 1.5088 | -.00716 | .00375 | -.02045 | .0352 | .11241 | 3.1373 |

Sample Name: J5543-07      Acquired: 10/17/2018 21:13:18      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.6301  
Stddev      .8369  
%RSD      51.342

#1      2.2220  
#2      1.0383

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3435.3 | 48527. | 4529.7 | 104.45 | 3824.2 |
| Stddev    | 2.4    | 198.   | 2.8    | .64    | 14.7   |
| %RSD      | .06979 | .40717 | .06219 | .60989 | .38528 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3433.6 | 48667. | 4531.7 | 104.90 | 3834.7 |
| #2 | 3437.0 | 48388. | 4527.7 | 104.00 | 3813.8 |

Sample Name: J5543-08      Acquired: 10/17/2018 21:17:21      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00310 | .00211 | -.00429 | -.00323 | -.00365 | .00085 | .01271 | .00002 |
| Stddev | .00028 | .00129 | .00088  | .00026  | .00015  | .00034 | .00058 | .00002 |
| %RSD   | 9.1187 | 61.056 | 20.433  | 8.1191  | 4.0781  | 40.492 | 4.5672 | 128.26 |

|    |        |        |         |         |         |        |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|--------|
| #1 | .00290 | .00302 | -.00367 | -.00341 | -.00354 | .00060 | .01313 | .00000 |
| #2 | .00330 | .00120 | -.00491 | -.00304 | -.00376 | .00109 | .01230 | .00003 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00001 | 26.459 | -.00045 | .00020 | .00121 | .02267 | .00029 | 4.8585 |
| Stddev | .00004 | .032   | .00015  | .00000 | .00025 | .00634 | .00001 | .0170  |
| %RSD   | 462.97 | .11989 | 32.549  | 2.1291 | 20.711 | 27.983 | 1.7728 | .34924 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00002 | 26.437 | -.00035 | .00020 | .00139 | .01818 | .00028 | 4.8705 |
| #2 | .00004  | 26.481 | -.00056 | .00020 | .00103 | .02715 | .00029 | 4.8465 |

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00152 | -.00002 | 20.036 | .00028 | -.00019 | 1.4745 | .00005 | .00204 |
| Stddev | .00015 | .00016  | .044   | .00034 | .00004  | .0152  | .00032 | .01450 |
| %RSD   | 10.199 | 710.53  | .21791 | 120.34 | 19.687  | 1.0338 | 626.32 | 709.06 |

|    |        |         |        |        |         |        |         |         |
|----|--------|---------|--------|--------|---------|--------|---------|---------|
| #1 | .00141 | -.00014 | 20.066 | .00053 | -.00021 | 1.4637 | .00028  | -.00821 |
| #2 | .00162 | .00009  | 20.005 | .00004 | -.00016 | 1.4853 | -.00018 | .01230  |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.8520 | 1.5097 | -.00680 | .00484 | -.02088 | .0358  | .11253 | 3.2678 |
| Stddev | .0273  | .0000  | .00067  | .00064 | .00150  | .0000  | .00001 | .1157  |
| %RSD   | .70960 | .00075 | 9.9003  | 13.295 | 7.1932  | .0754  | .01072 | 3.5418 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.8326 | 1.5097 | -.00727 | .00439 | -.01982 | .0358 | .11254 | 3.3497 |
| #2 | 3.8713 | 1.5097 | -.00632 | .00530 | -.02195 | .0357 | .11253 | 3.1860 |

Sample Name: J5543-08      Acquired: 10/17/2018 21:17:21      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.6914  
 Stddev      .6350  
 %RSD      37.542

#1      2.1404  
 #2      1.2424

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3439.7 | 48418. | 4488.3 | 104.22 | 3829.7 |
| Stddev    | 6.7    | 162.   | 5.2    | .11    | 26.6   |
| %RSD      | .19546 | .33404 | .11593 | .11016 | .69404 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3444.5 | 48304. | 4484.6 | 104.14 | 3848.4 |
| #2 | 3435.0 | 48532. | 4492.0 | 104.30 | 3810.9 |

Sample Name: J5543-09      Acquired: 10/17/2018 21:21:24      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00214 | .00271 | -.00434 | -.00436 | -.00301 | -.00409 | .01320 | -.00005 |
| Stddev | .00221 | .00143 | .00026  | .00220  | .00134  | .01049  | .00021 | .00008  |
| %RSD   | 103.32 | 52.550 | 6.0440  | 50.370  | 44.560  | 256.60  | 1.5842 | 152.79  |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00058 | .00170 | -.00453 | -.00281 | -.00206 | -.01150 | .01335 | -.00011 |
| #2 | .00370 | .00372 | -.00416 | -.00592 | -.00396 | .00333  | .01305 | .00000  |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00006 | 26.945 | -.00072 | -.00011 | .00174 | .00880 | .00092 | 5.0750 |
| Stddev | .00001 | .136   | .00007  | .00006  | .00011 | .00014 | .00001 | .0146  |
| %RSD   | 18.503 | .50399 | 10.379  | 52.279  | 6.5505 | 1.6385 | .57625 | .28816 |

|    |        |        |         |         |        |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00005 | 27.041 | -.00077 | -.00016 | .00166 | .00870 | .00093 | 5.0646 |
| #2 | .00007 | 26.849 | -.00066 | -.00007 | .00182 | .00890 | .00092 | 5.0853 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00230 | -.00012 | 20.994 | .00019 | .00038 | 1.5419 | .00008 | .01467 |
| Stddev | .00030 | .00082  | .041   | .00027 | .00007 | .0226  | .00014 | .00656 |
| %RSD   | 13.009 | 691.04  | .19693 | 142.62 | 18.538 | 1.4653 | 172.28 | 44.749 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00209 | .00046  | 21.023 | -.00000 | .00042 | 1.5260 | .00018  | .01003 |
| #2 | .00251 | -.00069 | 20.965 | .00038  | .00033 | 1.5579 | -.00002 | .01931 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.9087 | 1.5082 | -.00673 | .00515 | -.01932 | .0402  | .11346 | 3.2043 |
| Stddev | .0037  | .0043  | .00029  | .00053 | .00012  | .0012  | .00019 | .0802  |
| %RSD   | .09373 | .28564 | 4.3278  | 10.290 | .62813  | 2.877  | .16431 | 2.5015 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 3.9113 | 1.5113 | -.00693 | .00478 | -.01940 | .0410 | .11333 | 3.1477 |
| #2 | 3.9061 | 1.5052 | -.00652 | .00553 | -.01923 | .0394 | .11359 | 3.2610 |



Sample Name: J5543-09      Acquired: 10/17/2018 21:21:24      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.7429  
 Stddev      .1810  
 %RSD      10.388

#1      1.8709  
 #2      1.6149

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3461.5 | 48474. | 4521.2 | 102.44 | 3844.0 |
| Stddev    | 2.0    | 9.     | 4.2    | 2.02   | 7.6    |
| %RSD      | .05719 | .01847 | .09334 | 1.9673 | .19742 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3460.1 | 48481. | 4518.2 | 101.01 | 3838.7 |
| #2 | 3462.9 | 48468. | 4524.2 | 103.86 | 3849.4 |

Sample Name: J5444-02      Acquired: 10/17/2018 21:25:26      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00682 | .00092 | -.00456 | -.00051 | -.00239 | -.01735 | .01080 | .00001 |
| Stddev | .00254 | .00069 | .00099  | .00288  | .00039  | .02197  | .00042 | .00002 |
| %RSD   | 37.236 | 75.668 | 21.671  | 565.83  | 16.246  | 126.60  | 3.9281 | 298.26 |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00861 | .00141 | -.00525 | .00153  | -.00267 | -.00182 | .01050 | -.00001 |
| #2 | .00502 | .00043 | -.00386 | -.00254 | -.00212 | -.03288 | .01110 | .00002  |

|        |         |        |         |        |        |        |         |        |
|--------|---------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00003 | 25.988 | -.00076 | .00001 | .00114 | .00915 | -.00001 | 6.2748 |
| Stddev | .00003  | .021   | .00048  | .00003 | .00002 | .00219 | .00000  | .0108  |
| %RSD   | 99.222  | .08126 | 63.190  | 301.80 | 1.9562 | 23.903 | 7.5296  | .17270 |

|    |         |        |         |         |        |        |         |        |
|----|---------|--------|---------|---------|--------|--------|---------|--------|
| #1 | -.00005 | 25.973 | -.00042 | -.00001 | .00116 | .01069 | -.00001 | 6.2825 |
| #2 | -.00001 | 26.003 | -.00109 | .00003  | .00113 | .00760 | -.00001 | 6.2671 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00158 | .00058 | 31.023 | .00021 | -.00184 | 1.8678 | -.00004 | .01531 |
| Stddev | .00039 | .00012 | .009   | .00004 | .00010  | .0080  | .00003  | .00743 |
| %RSD   | 24.474 | 21.532 | .02833 | 19.175 | 5.5114  | .42980 | 81.723  | 48.501 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00131 | .00067 | 31.029 | .00018 | -.00176 | 1.8735 | -.00002 | .02056 |
| #2 | .00185 | .00049 | 31.017 | .00023 | -.00191 | 1.8622 | -.00007 | .01006 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.2901 | 1.1939 | -.00681 | .00566 | -.02159 | .0404  | .11302 | 3.2363 |
| Stddev | .0079  | .0006  | .00030  | .00164 | .00166  | .0016  | .00032 | .1190  |
| %RSD   | .18502 | .05146 | 4.3380  | 29.014 | 7.7001  | 3.854  | .28016 | 3.6757 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 4.2845 | 1.1944 | -.00702 | .00682 | -.02277 | .0415 | .11279 | 3.1522 |
| #2 | 4.2957 | 1.1935 | -.00660 | .00450 | -.02042 | .0393 | .11324 | 3.3204 |

Sample Name: J5444-02      Acquired: 10/17/2018 21:25:26      Type: Unk  
 Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.2121  
 Stddev      .0810  
 %RSD      3.6627

#1      2.1548  
 #2      2.2694

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3430.3 | 48042. | 4503.8 | 101.05 | 3777.1 |
| Stddev    | 6.0    | 188.   | 18.7   | .65    | 12.9   |
| %RSD      | .17578 | .39127 | .41565 | .63865 | .34193 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3426.0 | 48174. | 4517.0 | 100.59 | 3786.2 |
| #2 | 3434.5 | 47909. | 4490.5 | 101.51 | 3767.9 |

Sample Name: J5444-03      Acquired: 10/17/2018 21:29:28      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00321 | .00280 | -.00535 | -.00005 | -.00226 | -.00399 | .01052 | -.00004 |
| Stddev | .00137 | .00007 | .00093  | .00238  | .00105  | .01226  | .00068 | .00004  |
| %RSD   | 42.761 | 2.3449 | 17.276  | 4442.2  | 46.502  | 307.68  | 6.4741 | 110.29  |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00224 | .00285 | -.00470 | .00163  | -.00152 | .00469  | .01100 | -.00001 |
| #2 | .00418 | .00276 | -.00601 | -.00174 | -.00300 | -.01266 | .01004 | -.00006 |

|        |         |        |         |        |        |        |         |        |
|--------|---------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00004 | 25.871 | -.00076 | .00014 | .00143 | .00587 | -.00000 | 6.3164 |
| Stddev | .00002  | .145   | .00032  | .00022 | .00035 | .00106 | .00005  | .0572  |
| %RSD   | 54.087  | .56024 | 41.762  | 155.73 | 24.129 | 18.103 | 2116.5  | .90595 |

|    |         |        |         |         |        |        |         |        |
|----|---------|--------|---------|---------|--------|--------|---------|--------|
| #1 | -.00005 | 25.769 | -.00098 | -.00001 | .00168 | .00512 | .00004  | 6.3568 |
| #2 | -.00002 | 25.974 | -.00054 | .00029  | .00119 | .00662 | -.00004 | 6.2759 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00143 | .00065 | 31.151 | .00055 | -.00175 | 1.8380 | .00011 | .02093 |
| Stddev | .00028 | .00012 | .023   | .00030 | .00005  | .0020  | .00027 | .00639 |
| %RSD   | 19.601 | 18.523 | .07508 | 54.468 | 3.0536  | .10984 | 233.13 | 30.541 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00124 | .00074 | 31.134 | .00076 | -.00171 | 1.8395 | -.00007 | .02544 |
| #2 | .00163 | .00057 | 31.167 | .00034 | -.00179 | 1.8366 | .00030  | .01641 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.3363 | 1.1997 | -.00627 | .00404 | -.02065 | .0399  | .11333 | 3.0101 |
| Stddev | .0070  | .0061  | .00128  | .00034 | .00051  | .0015  | .00056 | .2373  |
| %RSD   | .16106 | .51093 | 20.489  | 8.4475 | 2.4671  | 3.854  | .49530 | 7.8838 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 4.3314 | 1.2040 | -.00718 | .00428 | -.02101 | .0410 | .11373 | 2.8423 |
| #2 | 4.3412 | 1.1953 | -.00536 | .00380 | -.02029 | .0388 | .11294 | 3.1779 |

Sample Name: J5444-03      Acquired: 10/17/2018 21:29:28      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.6382  
Stddev      .2274  
%RSD      13.880

#1      1.7990  
#2      1.4775

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3447.6 | 48351. | 4479.7 | 101.26 | 3774.9 |
| Stddev    | 5.3    | 172.   | 18.4   | 2.95   | 7.2    |
| %RSD      | .15441 | .35578 | .41131 | 2.9130 | .19114 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3443.8 | 48229. | 4492.7 | 103.34 | 3769.8 |
| #2 | 3451.4 | 48472. | 4466.7 | 99.172 | 3780.0 |

Sample Name: J5444-04      Acquired: 10/17/2018 21:33:30      Type: Unk  
Method: P4-ICP2(v2506)      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    | .00374 | .00250 | -.00446 | -.00217 | -.00421 | -.00086 | .00996 | -.00001 |
| Stddev | .00294 | .00124 | .00028  | .00384  | .00014  | .00105  | .00047 | .00004  |
| %RSD   | 78.613 | 49.434 | 6.2924  | 177.20  | 3.2137  | 121.79  | 4.6750 | 355.61  |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00582 | .00163 | -.00427 | -.00488 | -.00412 | -.00160 | .00963 | -.00004 |
| #2 | .00166 | .00338 | -.00466 | .00055  | -.00431 | -.00012 | .01029 | .00002  |

|        |        |        |         |        |        |         |         |        |
|--------|--------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00002 | 25.979 | -.00059 | .00003 | .00117 | -.00231 | -.00021 | 6.8153 |
| Stddev | .00000 | .141   | .00008  | .00018 | .00000 | .01104  | .00012  | .0193  |
| %RSD   | 14.634 | .54309 | 14.184  | 703.15 | .39282 | 477.06  | 60.167  | .28264 |

|    |        |        |         |         |        |         |         |        |
|----|--------|--------|---------|---------|--------|---------|---------|--------|
| #1 | .00002 | 26.079 | -.00053 | .00015  | .00117 | -.01012 | -.00012 | 6.8289 |
| #2 | .00002 | 25.879 | -.00065 | -.00010 | .00118 | .00549  | -.00029 | 6.8016 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00133 | .00054 | 35.184 | .00030 | -.00170 | 1.9933 | .00013 | .01805 |
| Stddev | .00055 | .00085 | .191   | .00022 | .00008  | .0194  | .00000 | .00552 |
| %RSD   | 41.354 | 157.28 | .54188 | 72.689 | 4.4357  | .97395 | 1.5186 | 30.586 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00172 | .00114  | 35.319 | .00015 | -.00175 | 2.0070 | .00013 | .01415 |
| #2 | .00094 | -.00006 | 35.050 | .00045 | -.00164 | 1.9796 | .00013 | .02196 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.6563 | 1.1572 | -.00685 | .00537 | -.02063 | .0426  | .11672 | 2.8534 |
| Stddev | .0046  | .0213  | .00017  | .00071 | .00152  | .0019  | .00049 | .1094  |
| %RSD   | .09859 | 1.8395 | 2.5442  | 13.296 | 7.3824  | 4.500  | .42066 | 3.8333 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 4.6596 | 1.1723 | -.00697 | .00487 | -.02171 | .0439 | .11707 | 2.9307 |
| #2 | 4.6531 | 1.1422 | -.00673 | .00588 | -.01955 | .0412 | .11638 | 2.7761 |

Sample Name: J5444-04      Acquired: 10/17/2018 21:33:30      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.3053  
Stddev      .2716  
%RSD      11.781

#1      2.4973  
#2      2.1132

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3453.5 | 48233. | 4497.0 | 102.93 | 3776.0 |
| Stddev    | 6.2    | 17.    | 38.6   | 2.68   | 10.4   |
| %RSD      | .17891 | .03589 | .85900 | 2.6034 | .27640 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3457.9 | 48246. | 4469.7 | 101.03 | 3783.3 |
| #2 | 3449.2 | 48221. | 4524.3 | 104.82 | 3768.6 |

Sample Name: CCV11      Acquired: 10/17/2018 21:37:33      Type: Unk  
Method: P4-ICP2(v2506)      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    | 4.7236 | 4.9973 | 5.1315 | 5.3059 | F 5.7439 | F 11.035 | 10.009 | .27113 |
| Stddev | .0012  | .0151  | .0160  | .0072  | .0120    | .082     | .021   | .00041 |
| %RSD   | .02562 | .30239 | .31206 | .13483 | .20875   | .74016   | .21295 | .15268 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.7228 | 4.9867 | 5.1202 | 5.3109 | 5.7524 | 11.093 | 9.9942 | .27142 |
| #2 | 4.7245 | 5.0080 | 5.1428 | 5.3008 | 5.7354 | 10.977 | 10.024 | .27083 |

|        |        |          |        |        |        |        |        |        |
|--------|--------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5569 | F 27.571 | .91020 | 2.6629 | 1.1425 | 4.5179 | 2.6318 | 23.818 |
| Stddev | .0061  | .131     | .00128 | .0065  | .0002  | .0189  | .0047  | .084   |
| %RSD   | .23705 | .47623   | .14027 | .24516 | .01945 | .41854 | .18040 | .35162 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.5527 | 27.478 | .91110 | 2.6583 | 1.1427 | 4.5312 | 2.6352 | 23.759 |
| #2 | 2.5612 | 27.664 | .90929 | 2.6675 | 1.1424 | 4.5045 | 2.6284 | 23.877 |

|        |        |        |        |          |        |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924   | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4380 | 1.2162 | 23.263 | F 2.2256 | 2.3735 | 22.650 | 4.8103 | 4.9177 |
| Stddev | .0061  | .0002  | .022   | .0004    | .0165  | .061   | .0054  | .0188  |
| %RSD   | .25098 | .02000 | .09666 | .01710   | .69374 | .27078 | .11221 | .38162 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4337 | 1.2163 | 23.247 | 2.2259 | 2.3851 | 22.606 | 4.8065 | 4.9044 |
| #2 | 2.4423 | 1.2160 | 23.279 | 2.2253 | 2.3618 | 22.693 | 4.8142 | 4.9310 |

|        |        |        |          |        |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7794 | 5.4167 | F 4.4393 | 5.0118 | 5.1960 | 5.050  | 4.9326 | 4.6023 |
| Stddev | .0182  | .0699  | .0207    | .0427  | .0155  | .023   | .0105  | .2309  |
| %RSD   | .38036 | 1.2912 | .46549   | .85215 | .29831 | .4616  | .21305 | 5.0171 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 4.7923 | 5.3672 | 4.4247 | 4.9816 | 5.1850 | 5.034 | 4.9252 | 4.4390 |
| #2 | 4.7666 | 5.4662 | 4.4539 | 5.0420 | 5.2069 | 5.067 | 4.9401 | 4.7656 |



Sample Name: CCV11      Acquired: 10/17/2018 21:37:33      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.8518  
Stddev      .7329  
%RSD      25.698

#1      3.3701  
#2      2.3336

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3101.4 | 42996. | 4082.8 | 90.200 | 3220.9 |
| Stddev    | 9.1    | 216.   | 35.4   | .865   | 1.3    |
| %RSD      | .29315 | .50170 | .86707 | .95859 | .04053 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3095.0 | 42844. | 4107.9 | 89.589 | 3220.0 |
| #2 | 3107.9 | 43149. | 4057.8 | 90.812 | 3221.8 |

Sample Name: CCB11      Acquired: 10/17/2018 21:41:19      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |         |         |         |         |          |
|--------|---------|--------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00062 | .00383 | -.00361 | -.00354 | -.00052 | -.00539 | .00091  | -.00005  |
| Stddev | .00052  | .00078 | .00080  | .00184  | .00125  | .01425  | .00137  | .00004   |
| %RSD   | 83.378  | 20.491 | 22.113  | 51.899  | 242.96  | 264.33  | 150.23  | 85.748   |
| #1     | -.00025 | .00327 | -.00418 | -.00224 | .00037  | .00468  | -.00006 | -.00002  |
| #2     | -.00099 | .00438 | -.00305 | -.00484 | -.00140 | -.01547 | .00188  | -.00008  |
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00015  | .00601 | -.00058 | -.00007 | .00018  | .01154  | -.00014 | -.02868  |
| Stddev | .00009  | .00515 | .00029  | .00010  | .00012  | .01292  | .00006  | .03053   |
| %RSD   | 61.319  | 85.658 | 49.425  | 131.91  | 67.042  | 111.90  | 40.412  | 106.47   |
| #1     | .00022  | .00237 | -.00078 | -.00014 | .00026  | .00241  | -.00010 | -.05026  |
| #2     | .00009  | .00965 | -.00038 | -.00000 | .00009  | .02067  | -.00018 | -.00709  |
| Elem   | Ni2316  | Ag3280 | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00125  | .00073 | -.24007 | -.00036 | -.00102 | -.02723 | .00039  | .00242   |
| Stddev | .00025  | .00013 | .01348  | .00037  | .00005  | .02145  | .00028  | .00469   |
| %RSD   | 20.313  | 17.681 | 5.6161  | 101.45  | 5.2859  | 78.774  | 72.783  | 193.93   |
| #1     | .00143  | .00082 | -.24960 | -.00062 | -.00099 | -.01206 | .00059  | .00573   |
| #2     | .00107  | .00064 | -.23053 | -.00010 | -.00106 | -.04240 | .00019  | -.00090  |
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00310 | .00997 | -.00341 | .00497  | -.00888 | -.0076  | .00019  | F 2.7549 |
| Stddev | .00116  | .00252 | .00033  | .00001  | .00137  | .0027   | .00009  | .1708    |
| %RSD   | 37.474  | 25.286 | 9.8150  | .20713  | 15.472  | 36.23   | 49.919  | 6.1990   |
| #1     | -.00228 | .00819 | -.00317 | .00497  | -.00985 | -.0095  | .00012  | 2.8756   |
| #2     | -.00393 | .01175 | -.00365 | .00496  | -.00791 | -.0056  | .00025  | 2.6341   |

Sample Name: CCB11      Acquired: 10/17/2018 21:41:19      Type: Unk  
Method: P4-ICP2(v2506)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .40675  
Stddev      .20574  
%RSD      50.581

#1      .55223  
#2      .26127

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3278.0 | 45934. | 4178.5 | 92.887 | 3633.8 |
| Stddev    | 22.4   | 25.    | 7.4    | 2.068  | 7.9    |
| %RSD      | .68210 | .05374 | .17776 | 2.2267 | .21722 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3262.2 | 45951. | 4183.8 | 91.425 | 3628.2 |
| #2 | 3293.8 | 45916. | 4173.3 | 94.350 | 3639.4 |