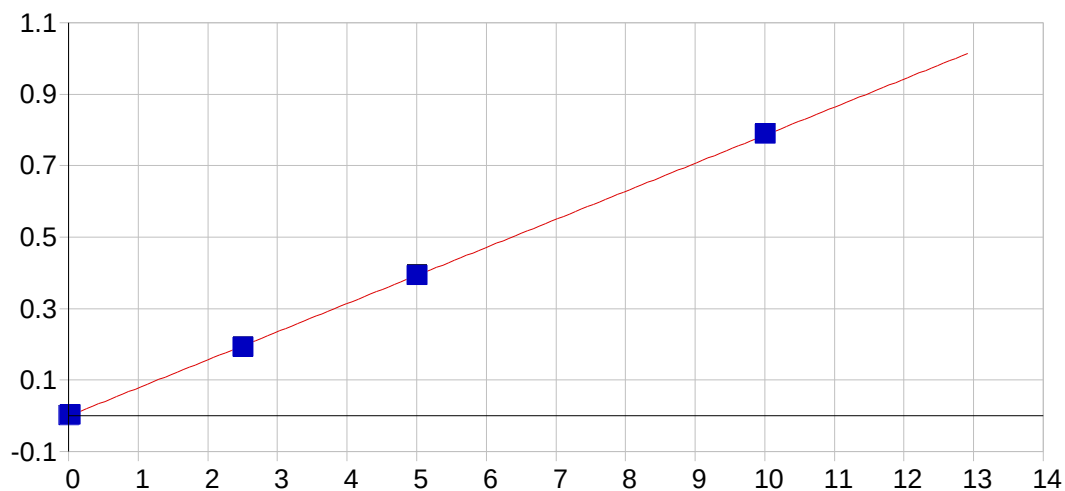


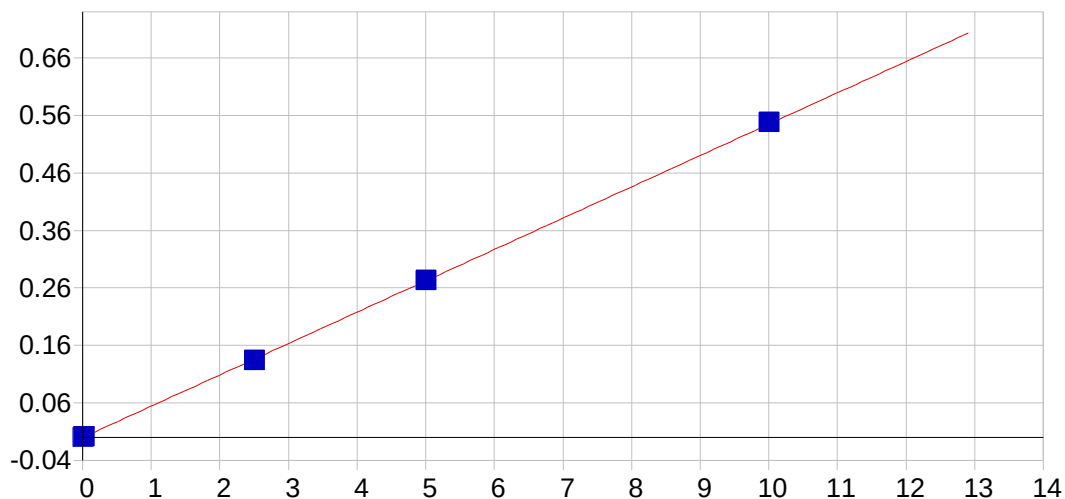


As 189.042 {478}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000342 Re-Slope: 1.000000  
 A1 (Gain): 0.078561 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999963 Status: OK.  
 Std Error of Est: 0.000016  
 Predicted MDL: 0.002799  
 Predicted MQL: 0.009328

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00034 | .000    | 1        |
| S1        | .02000       | .02080      | .001       | 4.02    | .00129  | .000    | 1        |
| S3        | 2.5000       | 2.4485      | -.051      | -2.06   | .19200  | .001    | 1        |
| S4        | 5.0000       | 5.0072      | .007       | .143    | .39300  | .001    | 1        |
| S5        | 10.000       | 10.043      | .043       | .435    | .78863  | .000    | 1        |



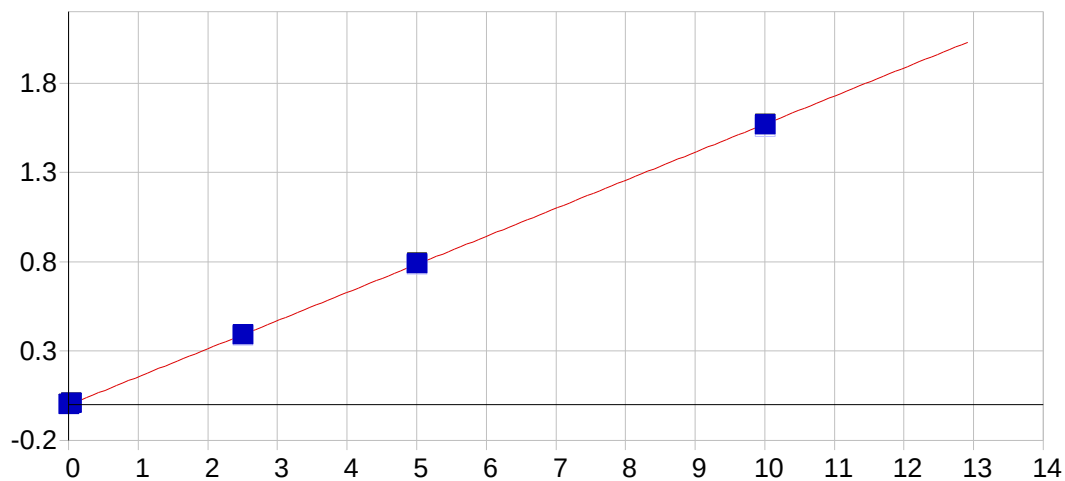
As 189.042 {479}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000088 Re-Slope: 1.000000

A1 (Gain): 0.054477 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999963 Status: OK.  
 Std Error of Est: 0.000011  
 Predicted MDL: 0.002610  
 Predicted MQL: 0.008701

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00009 | .000    | 1        |
| S1        | .02000       | .01978      | -.000      | -1.11   | .00099  | .000    | 1        |
| S3        | 2.5000       | 2.4480      | -.052      | -2.08   | .13327  | .000    | 1        |
| S4        | 5.0000       | 5.0064      | .006       | .127    | .27264  | .000    | 1        |
| S5        | 10.000       | 10.046      | .046       | .458    | .54718  | .001    | 1        |

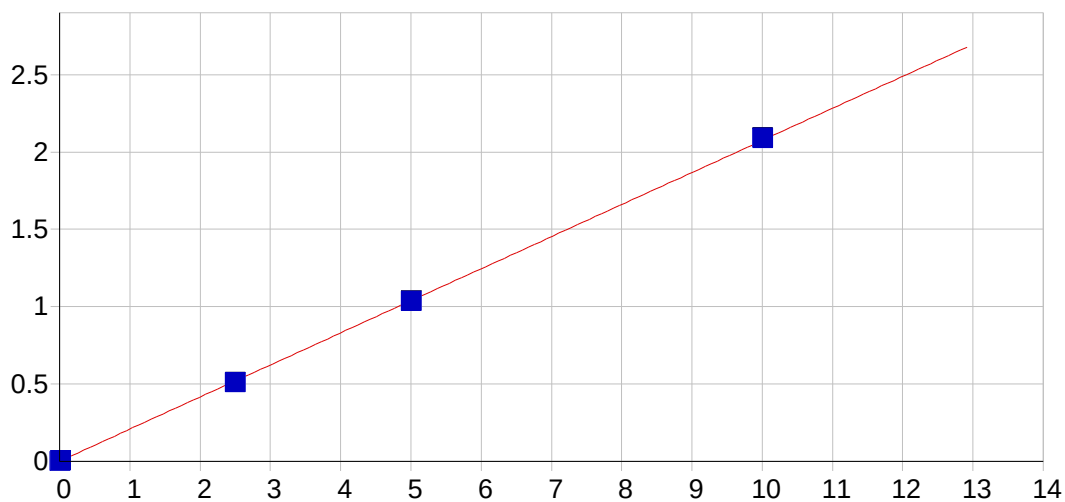


TI 190.856 {477}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000804 Re-Slope: 1.000000  
 A1 (Gain): 0.157155 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999968 Status: OK.  
 Std Error of Est: 0.000043  
 Predicted MDL: 0.001196  
 Predicted MQL: 0.003987

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00080 | .000    | 1        |
| S1        | .04000       | .04536      | .005       | 13.4    | .00616  | .000    | 1        |
| S3        | 2.5000       | 2.4845      | -.016      | -.620   | .38562  | .002    | 1        |
| S4        | 5.0000       | 5.0338      | .034       | .676    | .78222  | .000    | 1        |
| S5        | 10.000       | 9.9764      | -.024      | -.236   | 1.5509  | .001    | 1        |

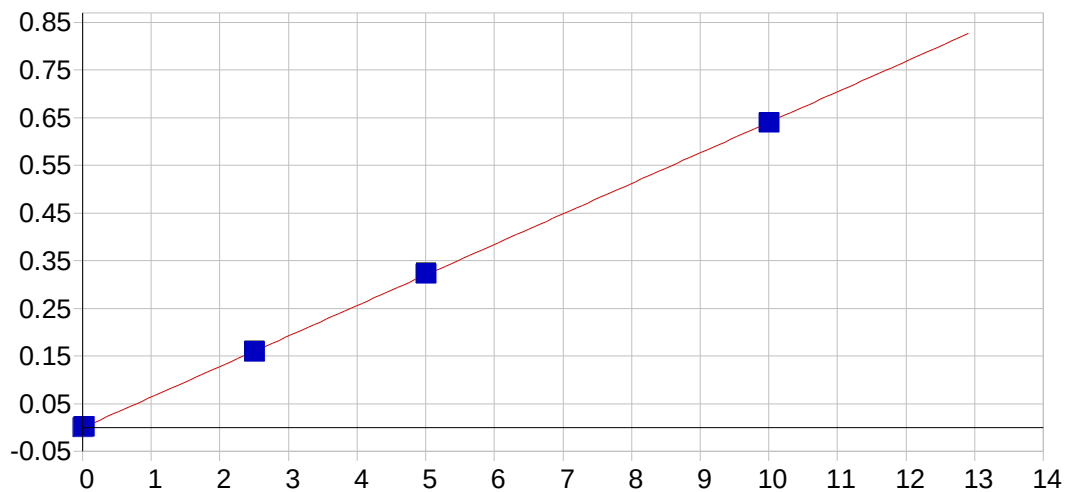


Pb 220.353 {453}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001668 Re-Slope: 1.000000  
 A1 (Gain): 0.207305 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999951 Status: OK.  
 Std Error of Est: 0.000039  
 Predicted MDL: 0.001234  
 Predicted MQL: 0.004115

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00167 | .000    | 1        |
| S1        | .01200       | .01118      | -.001      | -6.80   | .00394 | .000    | 1        |
| S3        | 2.5000       | 2.4459      | -.054      | -2.16   | .50801 | .001    | 1        |
| S4        | 5.0000       | 4.9866      | -.013      | -.268   | 1.0340 | .003    | 1        |
| S5        | 10.000       | 10.068      | .068       | .683    | 2.0860 | .002    | 1        |



Se 196.090 {472}

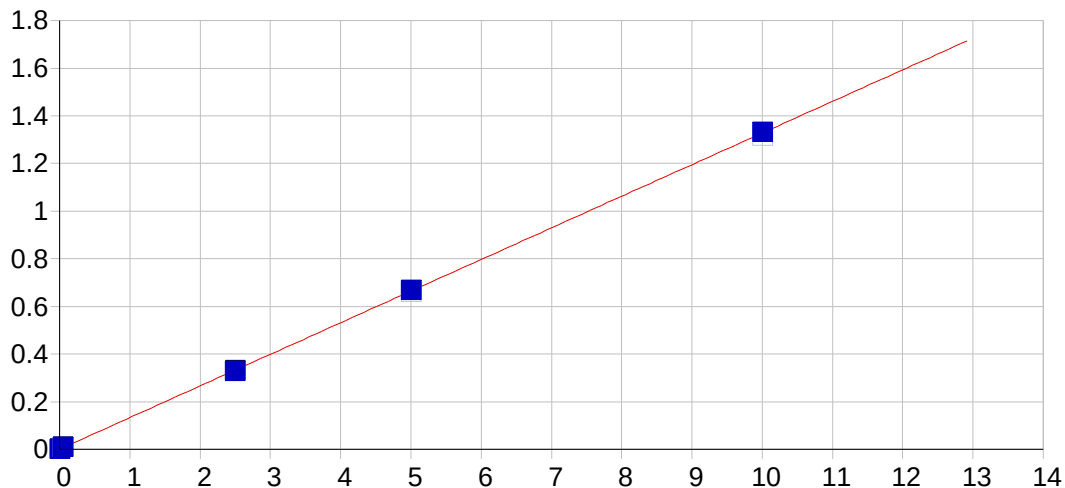
Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000210 Re-Slope: 1.000000  
 A1 (Gain): 0.064051 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999986  
 Std Error of Est: 0.000008  
 Predicted MDL: 0.003165  
 Predicted MQL: 0.010548

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00021 | .000    | 1        |
| S1        | .02000       | .02116      | .001       | 5.78    | .00115  | .000    | 1        |
| S3        | 2.5000       | 2.4819      | -.018      | -.725   | .15874  | .001    | 1        |
| S4        | 5.0000       | 5.0360      | .036       | .720    | .32231  | .000    | 1        |
| S5        | 10.000       | 9.9810      | -.019      | -.190   | .63900  | .001    | 1        |



Sb 206.833 {463}

Date of Fit: 11/30/2018 15:57:05

Type of Fit: Linear

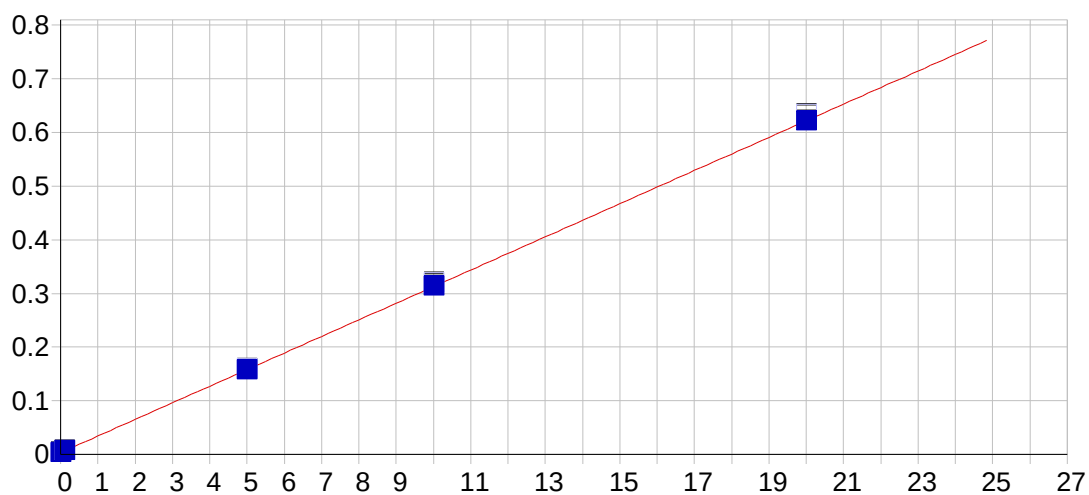
Weighting: 1/Conc

A0 (Offset): 0.000609  
 A1 (Gain): 0.132743  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999987  
 Std Error of Est: 0.000026  
 Predicted MDL: 0.001861  
 Predicted MQL: 0.006204

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    | .00061 | .000    | 1        |
| S1        | .05000       | .05230      | .002       | 4.60    | .00739 | .000    | 1        |
| S3        | 2.5000       | 2.4734      | -.027      | -1.06   | .32520 | .000    | 1        |
| S4        | 5.0000       | 5.0167      | .017       | .335    | .65909 | .001    | 1        |
| S5        | 10.000       | 10.008      | .008       | .076    | 1.3141 | .000    | 1        |

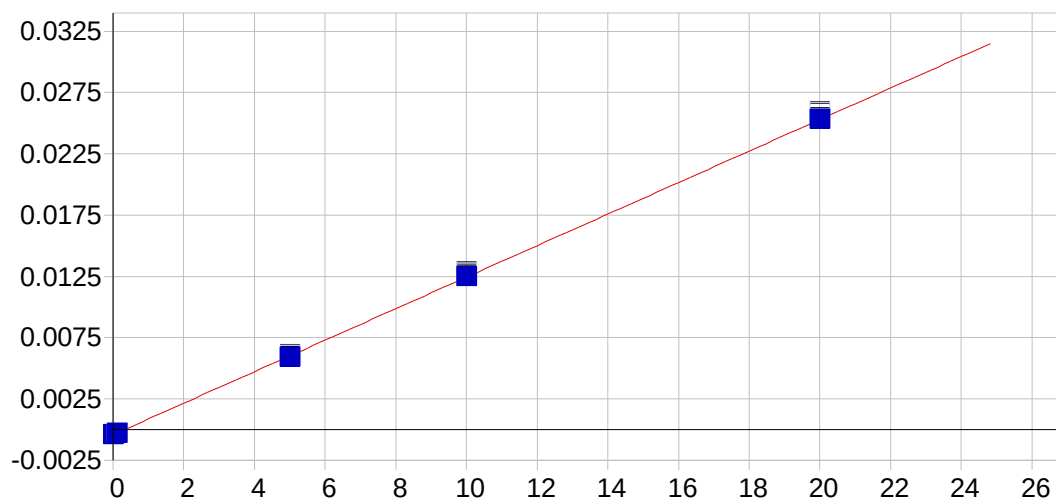


AI 308.215 {109}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003313 Re-Slope: 1.000000  
 A1 (Gain): 0.030931 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999989 Status: OK.  
 Std Error of Est: 0.000011  
 Predicted MDL: 0.003438  
 Predicted MQL: 0.011459

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00331 | .000    | 1        |
| S1        | .10000       | .10712      | .007       | 7.12    | .00684 | .000    | 1        |
| S3        | 5.0000       | 4.9715      | -.028      | -.570   | .16017 | .000    | 1        |
| S4        | 10.000       | 10.038      | .038       | .380    | .31996 | .001    | 1        |
| S5        | 20.000       | 19.983      | -.017      | -.085   | .63373 | .001    | 1        |



AI 309.271 {109}

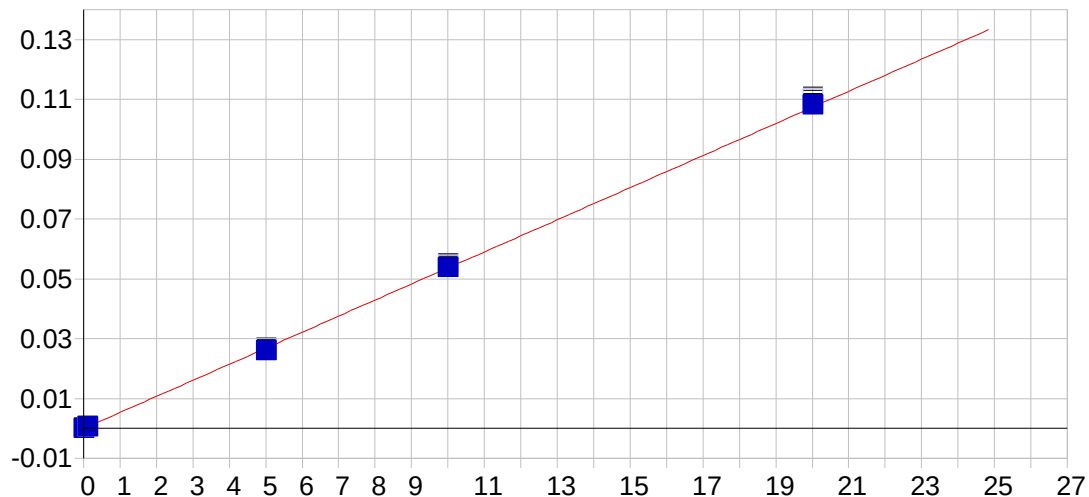
Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000412 Re-Slope: 1.000000  
 A1 (Gain): 0.001286 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999979  
 Std Error of Est: 0.000001  
 Predicted MDL: 0.046858  
 Predicted MQL: 0.156195

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00041 | .000    | 1        |
| S1        | .10000       | .10198      | .002       | 1.98    | -.00027 | .000    | 1        |
| S3        | 5.0000       | 4.9220      | -.078      | -1.56   | .00604  | .000    | 1        |
| S4        | 10.000       | 10.045      | .045       | .453    | .01276  | .000    | 1        |
| S5        | 20.000       | 20.031      | .031       | .153    | .02585  | .000    | 1        |

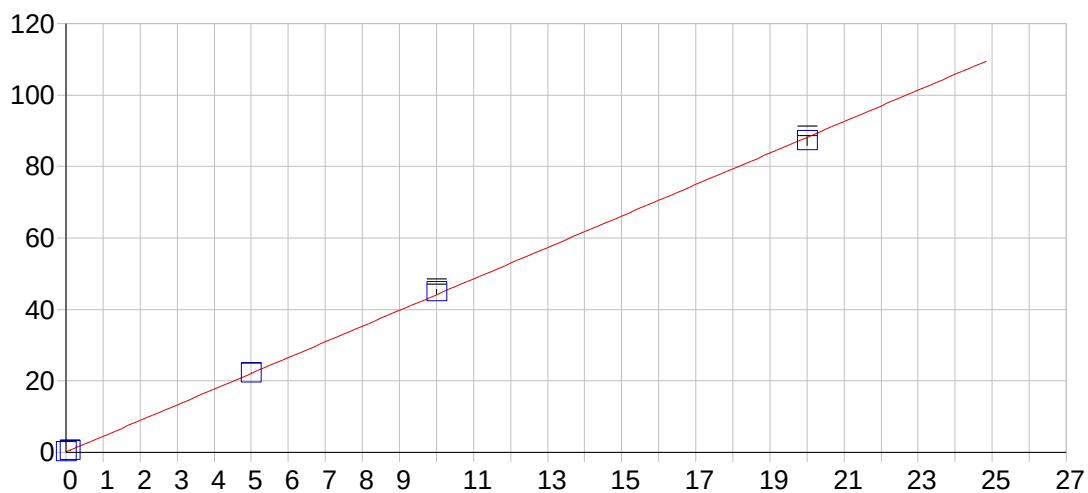


AI 396.152 { 85}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000038 Re-Slope: 1.000000  
 A1 (Gain): 0.005368 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999929 Status: OK.  
 Std Error of Est: 0.000005  
 Predicted MDL: 0.017984  
 Predicted MQL: 0.059947

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00004 | .000    | 1        |
| S1        | .10000       | .09987      | -.000      | -.130   | .00053  | .000    | 1        |
| S3        | 5.0000       | 4.8532      | -.147      | -2.94   | .02655  | .000    | 1        |
| S4        | 10.000       | 10.015      | .015       | .152    | .05479  | .000    | 1        |
| S5        | 20.000       | 20.132      | .132       | .659    | .11016  | .000    | 1        |

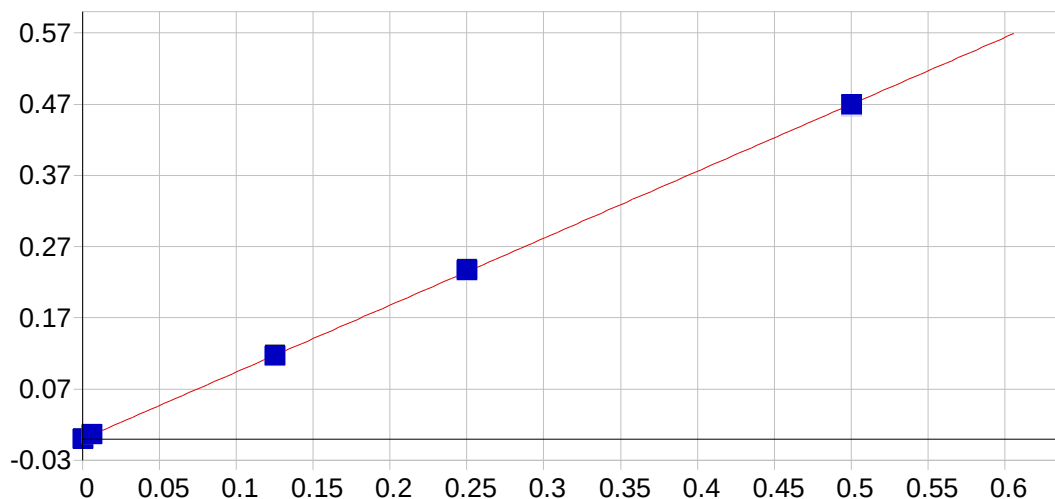


Ba 493.409 { 68}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.097223 Re-Slope: 1.000000  
 A1 (Gain): 4.403478 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999901 Status: OK.  
 Std Error of Est: 0.004733  
 Predicted MDL: 0.000921  
 Predicted MQL: 0.003069

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .09718 | .001    | 1        |
| S1        | .10000       | .10953      | .010       | 9.53    | .57954 | .004    | 1        |
| S3        | 5.0000       | 5.0263      | .026       | .525    | 22.230 | .024    | 1        |
| S5        | 20.000       | 19.779      | -.221      | -1.11   | 87.192 | 1.32    | 1        |
| S4        | 10.000       | 10.186      | .186       | 1.86    | 44.949 | .761    | 1        |



Be 234.861 {144}

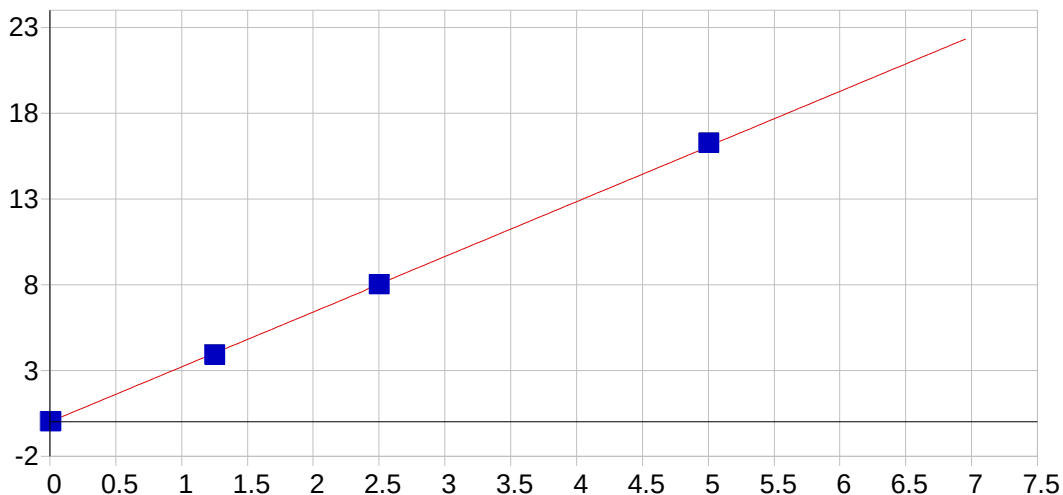
Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000026 Re-Slope: 1.000000  
 A1 (Gain): 0.939644 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999979  
 Std Error of Est: 0.000018  
 Predicted MDL: 0.000074  
 Predicted MQL: 0.000246

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00003 | .000    | 1        |
| S1        | .00600       | .00618      | .000       | 2.99    | .00572  | .000    | 1        |
| S3        | .12500       | .12387      | -.001      | -.902   | .11563  | .001    | 1        |
| S4        | .25000       | .25210      | .002       | .842    | .23538  | .001    | 1        |
| S5        | .50000       | .49884      | -.001      | -.231   | .46575  | .000    | 1        |



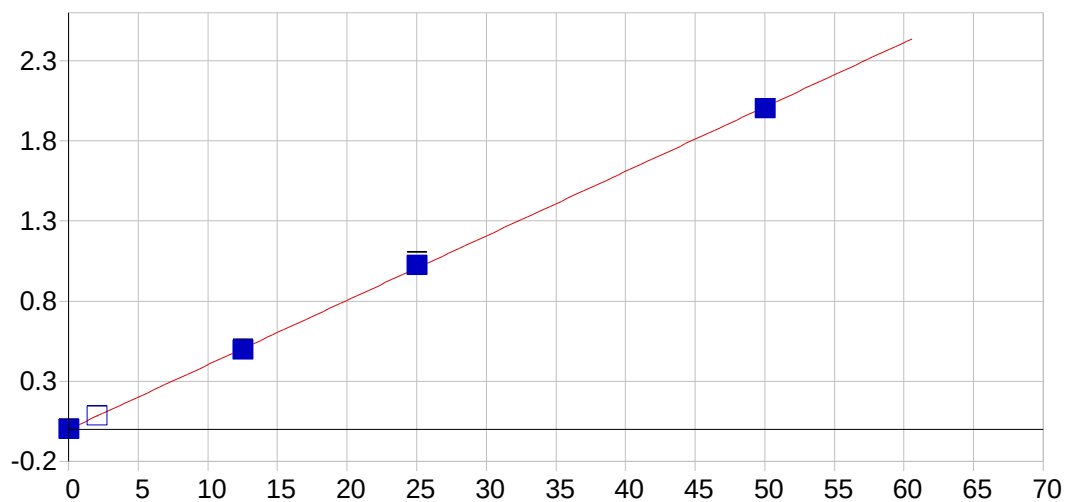
Cd 226.502 {449}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001028 Re-Slope: 1.000000  
 A1 (Gain): 3.211476 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999884 Status: OK.  
 Std Error of Est: 0.000458  
 Predicted MDL: 0.000095  
 Predicted MQL: 0.000318

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00103 | .000    | 1        |
| S1        | .00600       | .00582      | -.000      | -2.97   | .01770  | .000    | 1        |
| S3        | 1.2500       | 1.2075      | -.043      | -3.40   | 3.8777  | .020    | 1        |
| S4        | 2.5000       | 2.4903      | -.010      | -.389   | 7.9983  | .007    | 1        |
| S5        | 5.0000       | 5.0524      | .052       | 1.05    | 16.228  | .012    | 1        |



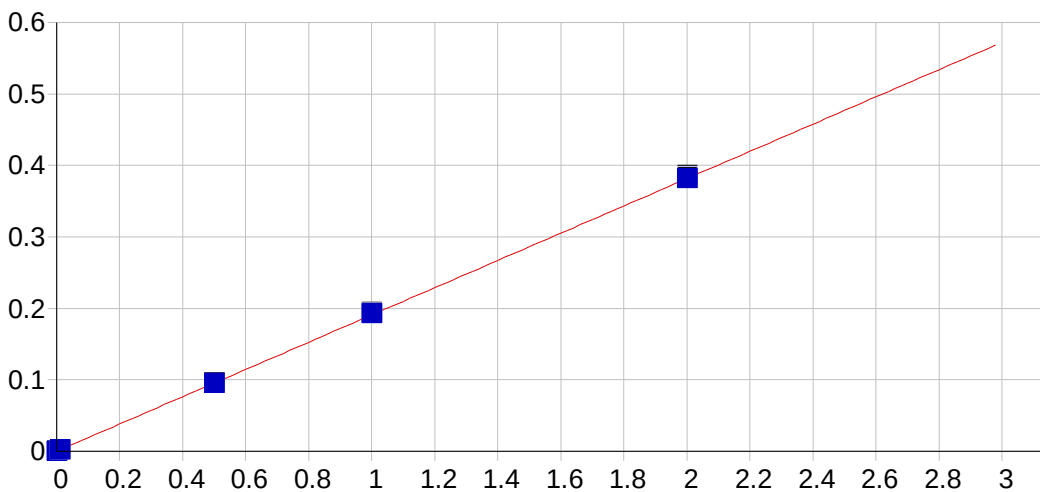


Ca 373.690 { 90}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000334 Re-Slope: 1.000000  
 A1 (Gain): 0.040227 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999924 Status: OK.  
 Std Error of Est: 0.000271  
 Predicted MDL: 0.024903  
 Predicted MQL: 0.083010

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.0463      | .046       | 2.32    | .08265 | .000    | 1        |
| S0        | .00000       | -.00004     | -.000      | .000    | .00033 | .000    | 1        |
| S3        | 12.500       | 12.310      | -.190      | -1.52   | .49581 | .002    | 1        |
| S4        | 25.000       | 25.443      | .443       | 1.77    | 1.0244 | .020    | 1        |
| S5        | 50.000       | 49.700      | -.300      | -.600   | 2.0007 | .002    | 1        |



Cr 267.716 {126}

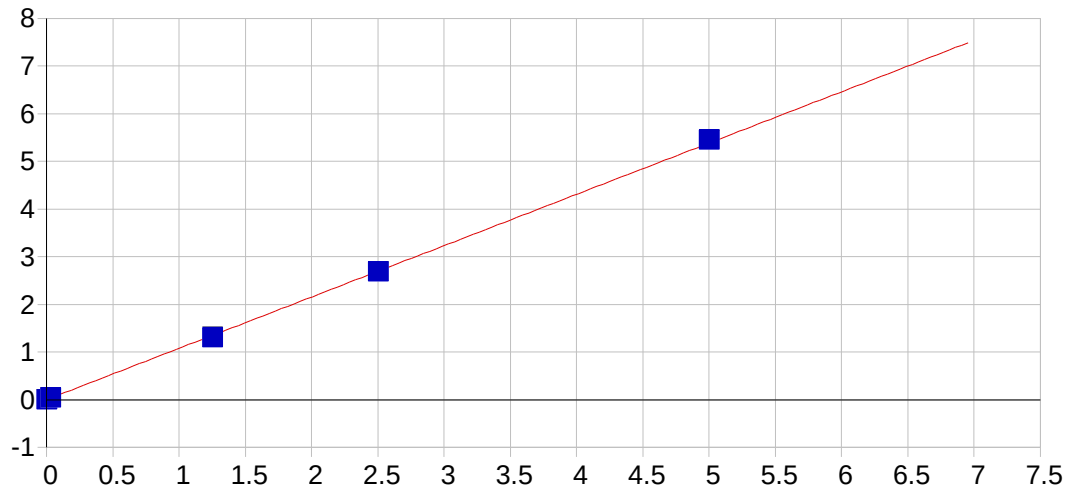
Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000109 Re-Slope: 1.000000  
 A1 (Gain): 0.190707 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999987  
 Std Error of Est: 0.000008  
 Predicted MDL: 0.000460  
 Predicted MQL: 0.001533

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00011 | .000    | 1        |
| S1        | .01000       | .00997      | -.000      | -.287   | .00202 | .000    | 1        |
| S3        | .50000       | .49529      | -.005      | -.943   | .09528 | .000    | 1        |
| S4        | 1.0000       | 1.0070      | .007       | .700    | .19357 | .000    | 1        |
| S5        | 2.0000       | 1.9977      | -.002      | -.113   | .38394 | .002    | 1        |



Co 228.616 {447}

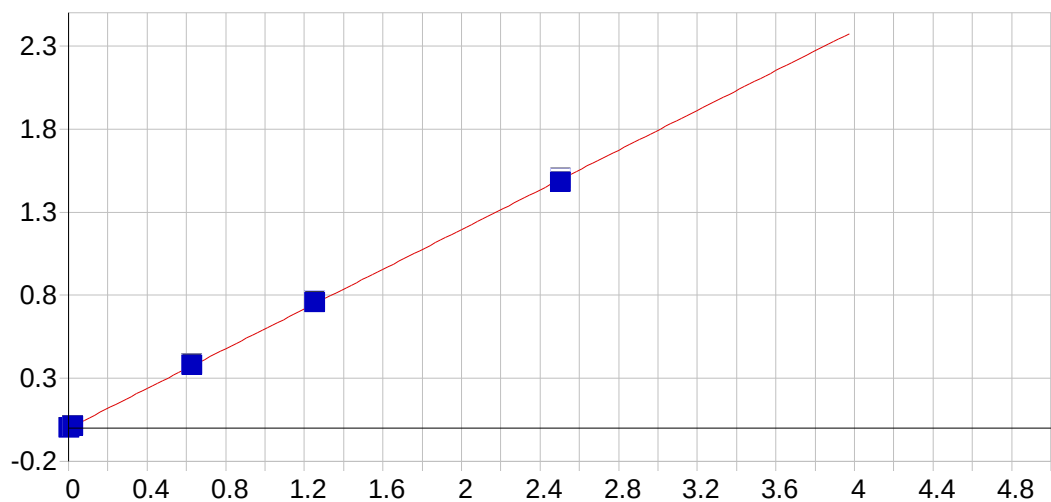
Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000174  
 A1 (Gain): 1.077323  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999885  
 Std Error of Est: 0.000343  
 Predicted MDL: 0.000257  
 Predicted MQL: 0.000857

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    | -.00018 | .000    | 1        |
| S1        | .03000       | .03223      | .002       | 7.43    | .03433  | .000    | 1        |
| S3        | 1.2500       | 1.2103      | -.040      | -3.18   | 1.3047  | .006    | 1        |
| S4        | 2.5000       | 2.4863      | -.014      | -.548   | 2.6805  | .005    | 1        |
| S5        | 5.0000       | 5.0512      | .051       | 1.02    | 5.4458  | .007    | 1        |

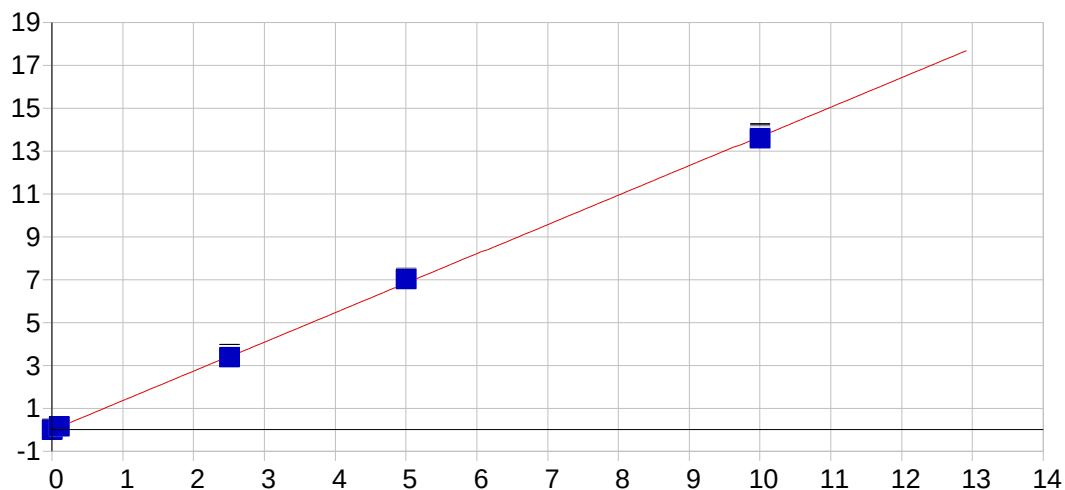


Cu 224.700 {450}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000509 Re-Slope: 1.000000  
 A1 (Gain): 0.597801 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999901 Status: OK.  
 Std Error of Est: 0.000104  
 Predicted MDL: 0.000554  
 Predicted MQL: 0.001846

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00051 | .000    | 1        |
| S1        | .02000       | .02254      | .003       | 12.7    | .01315  | .000    | 1        |
| S3        | .62500       | .63563      | .011       | 1.70    | .38551  | .000    | 1        |
| S4        | 1.2500       | 1.2627      | .013       | 1.02    | .76644  | .002    | 1        |
| S5        | 2.5000       | 2.4741      | -.026      | -1.04   | 1.5027  | .001    | 1        |



Fe 240.488 {140}

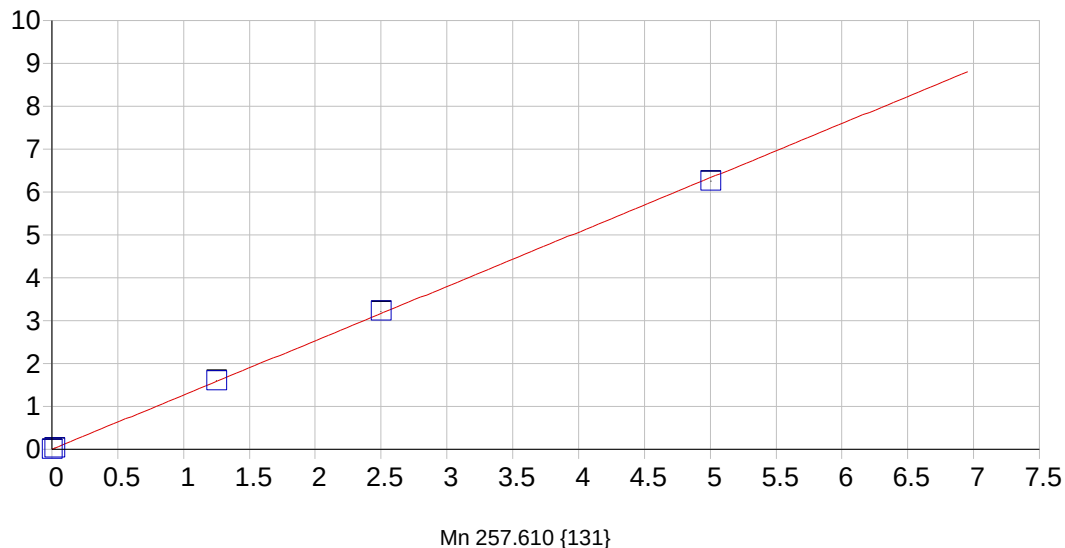
Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.008492 Re-Slope: 1.000000  
 A1 (Gain): 1.369317 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999882  
 Std Error of Est: 0.001145  
 Predicted MDL: 0.010915  
 Predicted MQL: 0.036384

Status: OK.

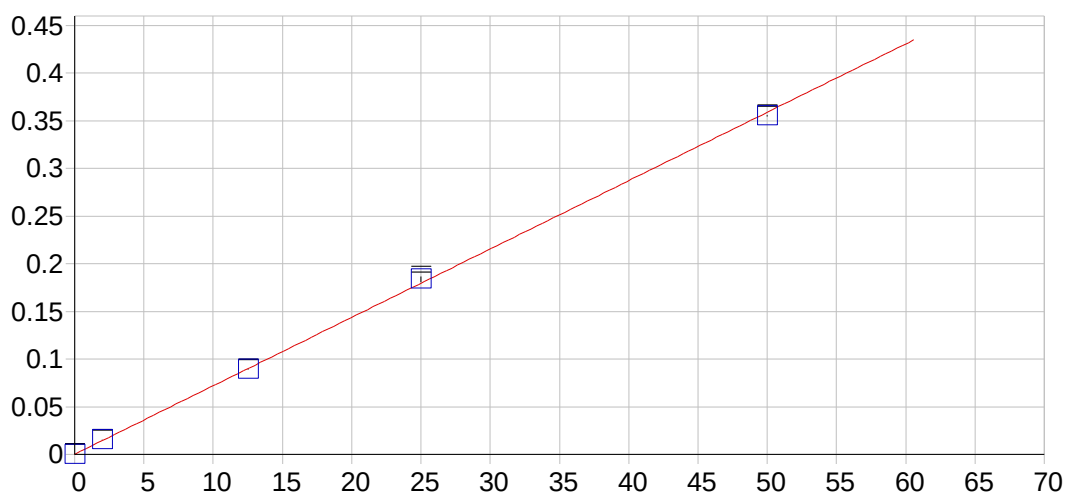
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00849 | .019    | 1        |
| S1        | .10000       | .09781      | -.002      | -2.19   | .12611  | .010    | 1        |
| S3        | 2.5000       | 2.4586      | -.041      | -1.65   | 3.3754  | .139    | 1        |
| S4        | 5.0000       | 5.1200      | .120       | 2.40    | 7.0369  | .011    | 1        |
| S5        | 10.000       | 9.9235      | -.076      | -.765   | 13.649  | .170    | 1        |



Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000185 Re-Slope: 1.000000  
 A1 (Gain): 1.266030 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999887 Status: OK.  
 Std Error of Est: 0.000325  
 Predicted MDL: 0.000068  
 Predicted MQL: 0.000225

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00018 | .000    | 1        |
| S1        | .02000       | .02244      | .002       | 12.2    | .02859 | .000    | 1        |
| S3        | 1.2500       | 1.2655      | .016       | 1.24    | 1.6024 | .002    | 1        |
| S4        | 2.5000       | 2.5431      | .043       | 1.72    | 3.2198 | .007    | 1        |
| S5        | 5.0000       | 4.9390      | -.061      | -1.22   | 6.2531 | .001    | 1        |

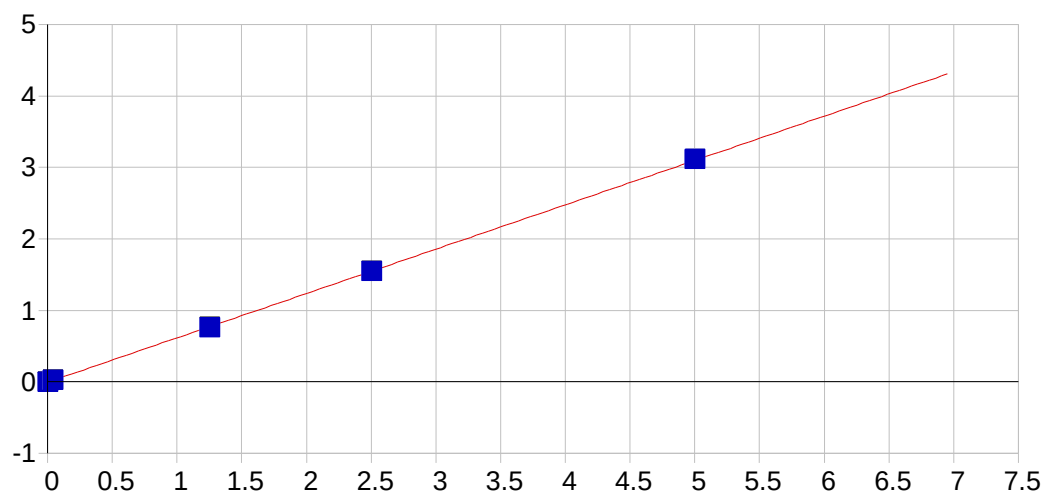


Mg 279.079 {121}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000216 Re-Slope: 1.000000  
 A1 (Gain): 0.007176 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999862 Status: OK.  
 Std Error of Est: 0.000065  
 Predicted MDL: 0.062479  
 Predicted MQL: 0.208265

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.0807      | .081       | 4.03    | .01515 | .000    | 1        |
| S0        | .00000       | -.00009     | -.000      | .000    | .00021 | .000    | 1        |
| S3        | 12.500       | 12.370      | -.130      | -1.04   | .08898 | .000    | 1        |
| S4        | 25.000       | 25.594      | .594       | 2.38    | .18387 | .003    | 1        |
| S5        | 50.000       | 49.455      | -.545      | -1.09   | .35509 | .001    | 1        |



Ni 231.604 {445}

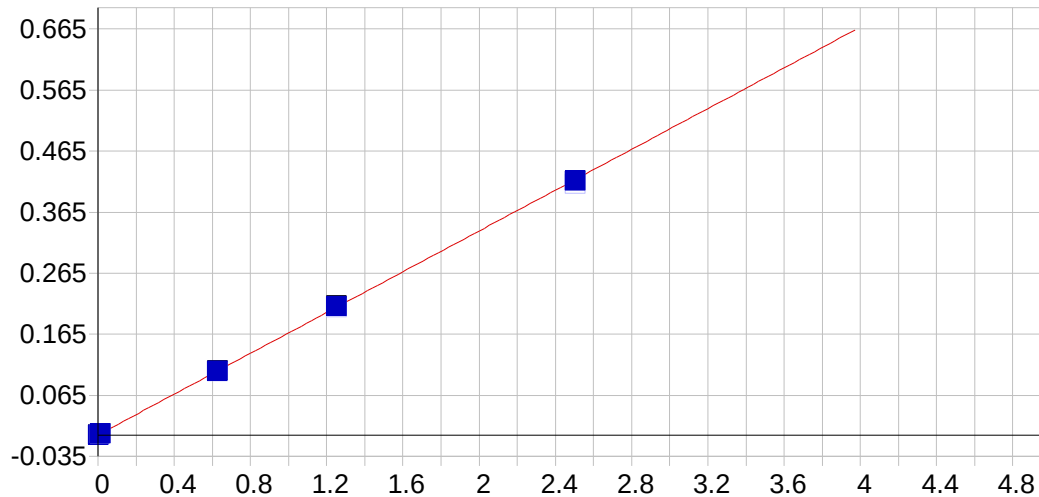
Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.005260 Re-Slope: 1.000000  
 A1 (Gain): 0.620550 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999956  
 Std Error of Est: 0.000141  
 Predicted MDL: 0.000470  
 Predicted MQL: 0.001567

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00526 | .001    | 1        |
| S1        | .04000       | .04301      | .003       | 7.52    | .02144  | .000    | 1        |
| S3        | 1.2500       | 1.2277      | -.022      | -1.79   | .75742  | .003    | 1        |
| S4        | 2.5000       | 2.4933      | -.007      | -.267   | 1.5437  | .004    | 1        |
| S5        | 5.0000       | 5.0260      | .026       | .520    | 3.1170  | .001    | 1        |

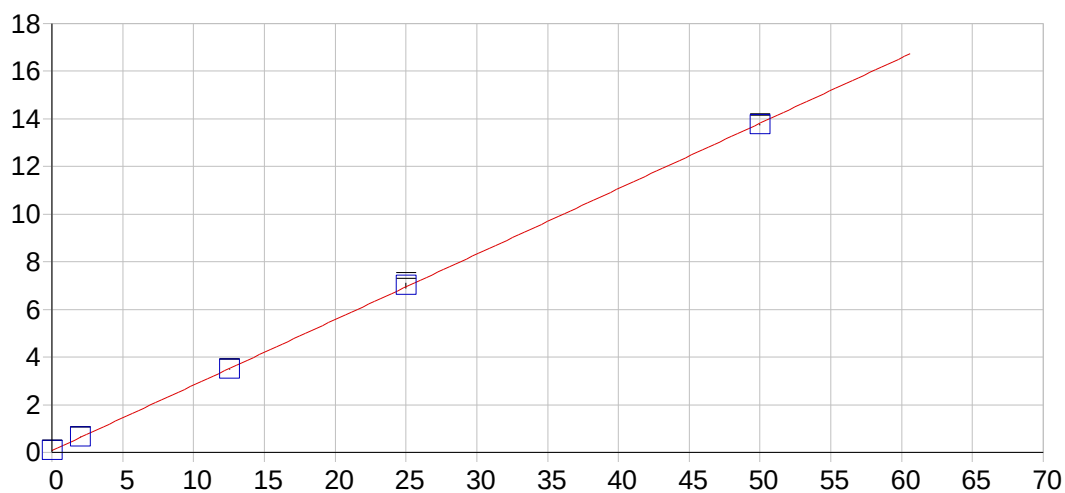


Ag 328.068 {103}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000038 Re-Slope: 1.000000  
 A1 (Gain): 0.167052 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999970 Status: OK.  
 Std Error of Est: 0.000011  
 Predicted MDL: 0.000756  
 Predicted MQL: 0.002519

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00004 | .000    | 1        |
| S1        | .01000       | .01081      | .001       | 8.13    | .00181 | .000    | 1        |
| S3        | .62500       | .62604      | .001       | .166    | .10343 | .000    | 1        |
| S4        | 1.2500       | 1.2619      | .012       | .952    | .20847 | .000    | 1        |
| S5        | 2.5000       | 2.4863      | -.014      | -.550   | .41063 | .000    | 1        |

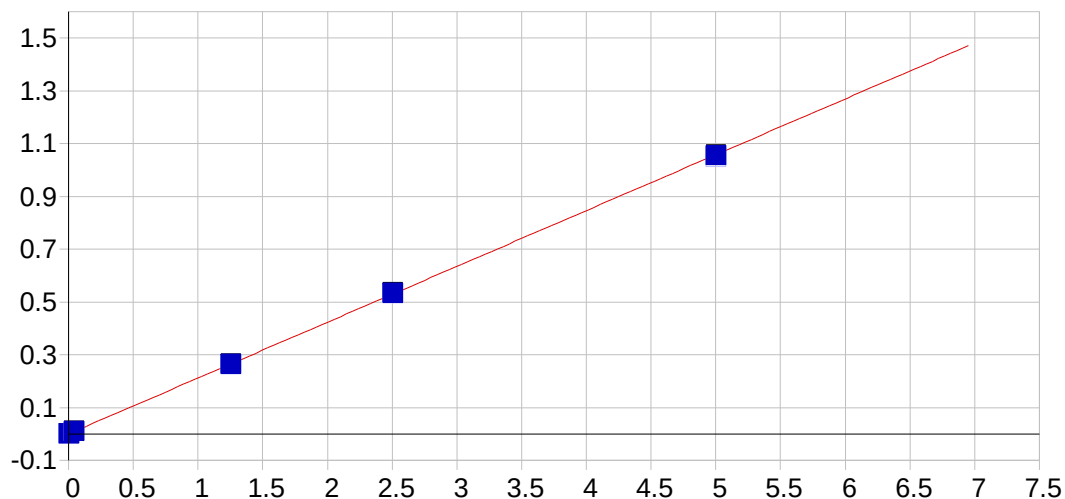


Na 589.592 { 57}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.074547 Re-Slope: 1.000000  
 A1 (Gain): 0.274886 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999974 Status: OK.  
 Std Error of Est: 0.001085  
 Predicted MDL: 0.012601  
 Predicted MQL: 0.042005

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.0557      | .056       | 2.79    | .63963 | .003    | 1        |
| S0        | .00000       | -.00006     | -.000      | .000    | .07453 | .001    | 1        |
| S3        | 12.500       | 12.466      | -.034      | -.273   | 3.5012 | .002    | 1        |
| S4        | 25.000       | 25.217      | .217       | .870    | 7.0065 | .121    | 1        |
| S5        | 50.000       | 49.761      | -.239      | -.478   | 13.753 | .028    | 1        |



V 292.402 {115}

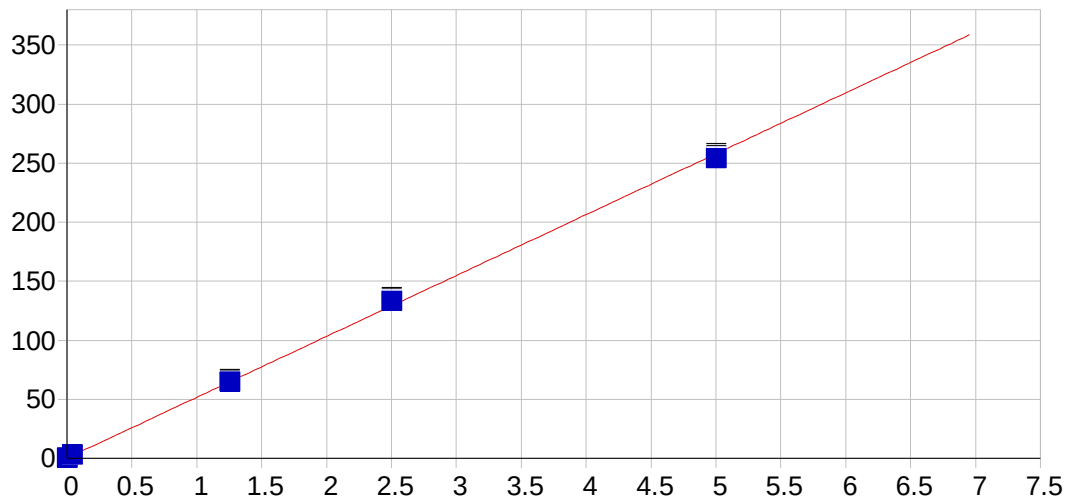
Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000036 Re-Slope: 1.000000  
 A1 (Gain): 0.211584 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999957  
 Std Error of Est: 0.000047  
 Predicted MDL: 0.000524  
 Predicted MQL: 0.001747

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00004 | .000    | 1        |
| S1        | .04000       | .04410      | .004       | 10.3    | .00916  | .000    | 1        |
| S3        | 1.2500       | 1.2447      | -.005      | -.423   | .26160  | .000    | 1        |
| S4        | 2.5000       | 2.5230      | .023       | .919    | .53033  | .001    | 1        |
| S5        | 5.0000       | 4.9782      | -.022      | -.435   | 1.0464  | .002    | 1        |



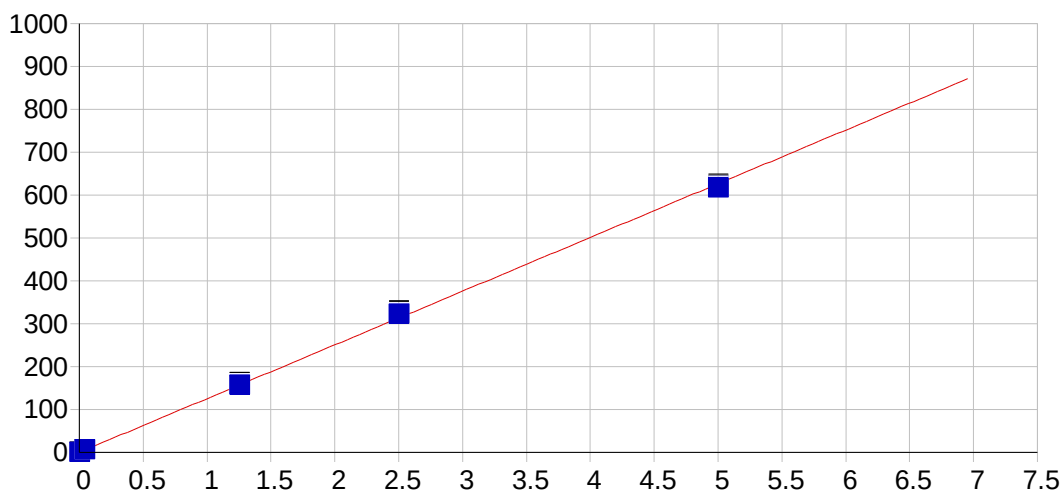
Zn 206.200 {163}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.123020 Re-Slope: 1.000000  
 A1 (Gain): 51.568039 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999757 Status: OK.  
 Std Error of Est: 0.027663  
 Predicted MDL: 0.000436  
 Predicted MQL: 0.001454

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .12273 | .021    | 1        |
| S1        | .04000       | .04492      | .005       | 12.3    | 2.4529 | .050    | 1        |
| S3        | 1.2500       | 1.2527      | .003       | .217    | 65.113 | 1.55    | 1        |
| S4        | 2.5000       | 2.5760      | .076       | 3.04    | 133.74 | 2.49    | 1        |
| S5        | 5.0000       | 4.9164      | -.084      | -1.67   | 255.21 | 2.83    | 1        |



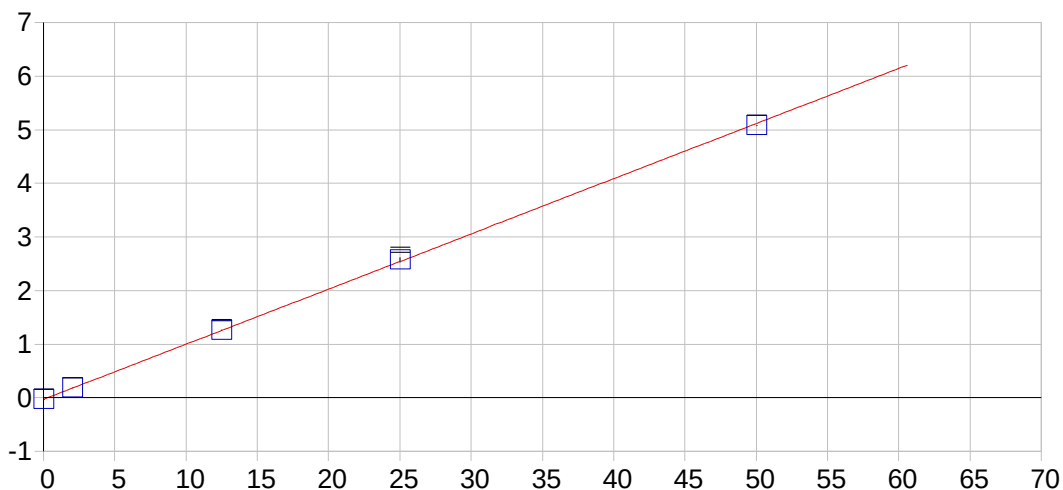


Zn 213.856 {458}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.226705 Re-Slope: 1.000000  
 A1 (Gain): 125.265976 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999785 Status: OK.  
 Std Error of Est: 0.063202  
 Predicted MDL: 0.000091  
 Predicted MQL: 0.000305

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .22605 | .003    | 1        |
| S1        | .04000       | .04468      | .005       | 11.7    | 5.8560 | .093    | 1        |
| S3        | 1.2500       | 1.2523      | .002       | .181    | 158.04 | 5.00    | 1        |
| S4        | 2.5000       | 2.5714      | .071       | 2.86    | 324.24 | 5.93    | 1        |
| S5        | 5.0000       | 4.9216      | -.078      | -1.57   | 620.53 | 5.35    | 1        |



K 766.490 {44}

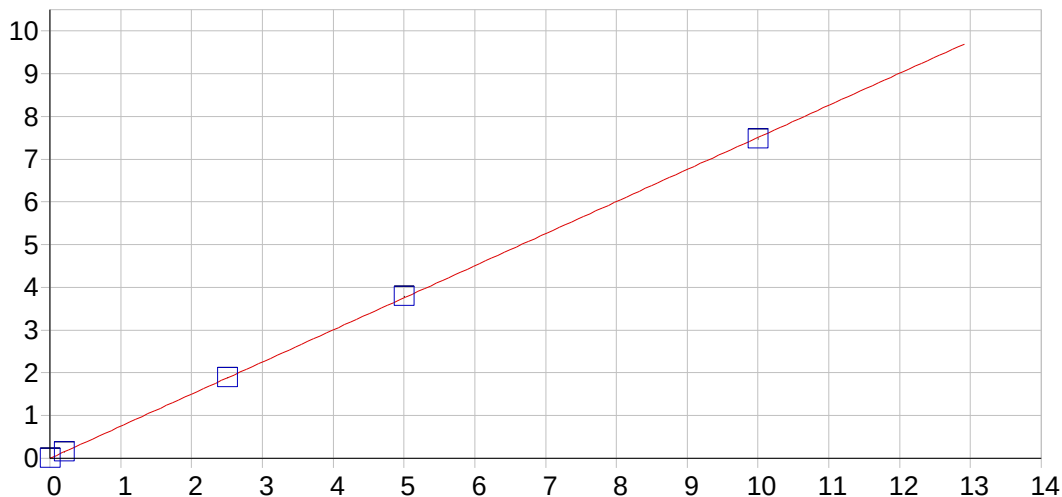
Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.032107 Re-Slope: 1.000000  
 A1 (Gain): 0.102934 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999955  
 Std Error of Est: 0.000534  
 Predicted MDL: 0.041982  
 Predicted MQL: 0.139939

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.0697      | .070       | 3.49    | .18094  | .002    | 1        |
| S0        | .00000       | -.00008     | -.000      | .000    | -.03212 | .001    | 1        |
| S3        | 12.500       | 12.533      | .033       | .266    | 1.2580  | .007    | 1        |
| S4        | 25.000       | 25.266      | .266       | 1.06    | 2.5686  | .045    | 1        |
| S5        | 50.000       | 49.631      | -.369      | -.738   | 5.0766  | .002    | 1        |



Mo 202.030 {467}

Date of Fit: 11/30/2018 15:57:05

Type of Fit: Linear

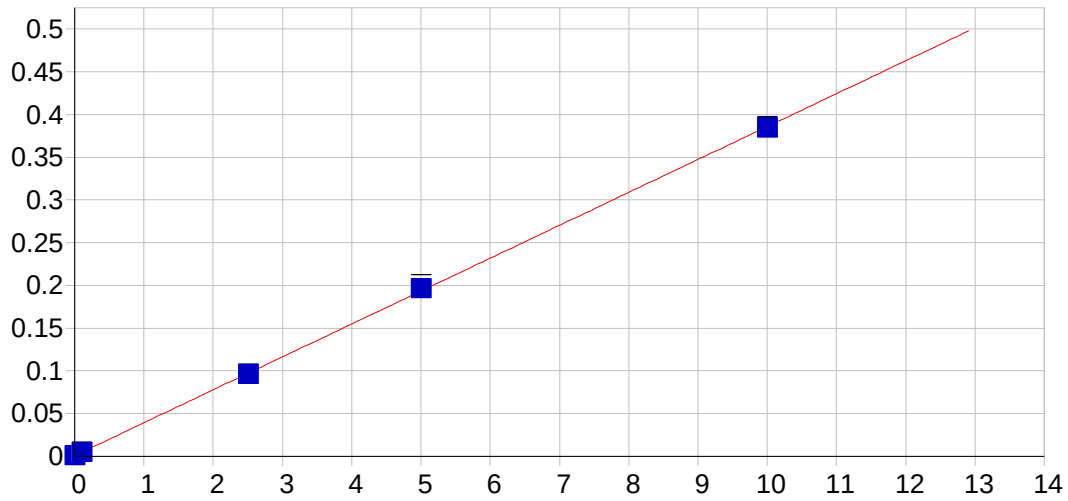
Weighting: 1/Conc

A0 (Offset): 0.000239  
 A1 (Gain): 0.751005  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999975  
 Std Error of Est: 0.000406  
 Predicted MDL: 0.000301  
 Predicted MQL: 0.001003

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00023 | .000    | 1        |
| S1        | .20000       | .20755      | .008       | 3.77    | .15611 | .000    | 1        |
| S3        | 2.5000       | 2.5069      | .007       | .276    | 1.8829 | .002    | 1        |
| S4        | 5.0000       | 5.0383      | .038       | .767    | 3.7841 | .001    | 1        |
| S5        | 10.000       | 9.9472      | -.053      | -.528   | 7.4706 | .002    | 1        |

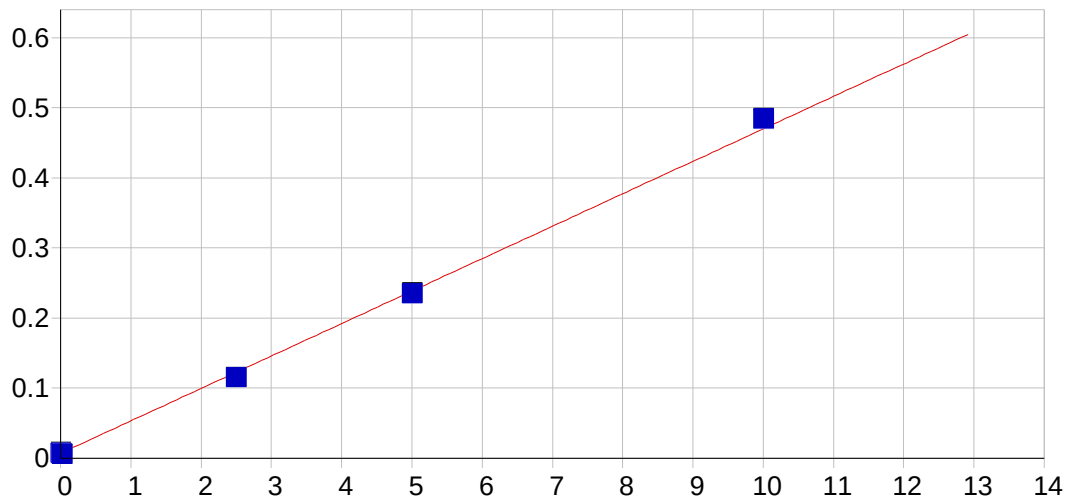


B 249.678 {135}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000883 Re-Slope: 1.000000  
 A1 (Gain): 0.038508 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999917 Status: OK.  
 Std Error of Est: 0.000027  
 Predicted MDL: 0.011117  
 Predicted MQL: 0.037058

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00088 | .000    | 1        |
| S1        | .10000       | .08919      | -.011      | -10.8   | .00430 | .000    | 1        |
| S3        | 2.5000       | 2.4687      | -.031      | -1.25   | .09572 | .000    | 1        |
| S4        | 5.0000       | 5.0782      | .078       | 1.56    | .19598 | .004    | 1        |
| S5        | 10.000       | 9.9639      | -.036      | -.361   | .38367 | .001    | 1        |



S 182.034 {485}

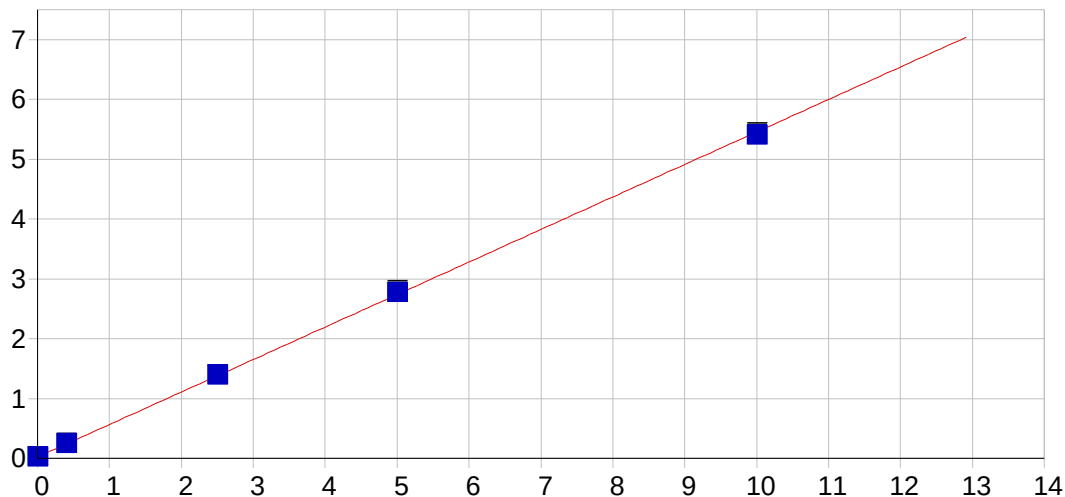
Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.007116 Re-Slope: 1.000000  
 A1 (Gain): 0.046282 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.995719  
 Std Error of Est: 0.000104  
 Predicted MDL: 0.003240  
 Predicted MQL: 0.010801

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00005      | .000       | .000    | .00712 | .001    | 1        |
| S1        | .02000       | -.03074     | -.051      | -254.   | .00567 | .000    | 1        |
| S3        | 2.5000       | 2.3285      | -.172      | -6.86   | .11475 | .001    | 1        |
| S4        | 5.0000       | 4.9238      | -.076      | -1.52   | .23474 | .001    | 1        |
| S5        | 10.000       | 10.297      | .297       | 2.97    | .48317 | .001    | 1        |



Si 288.158 {117}

Date of Fit: 11/30/2018 15:57:05

Type of Fit: Linear

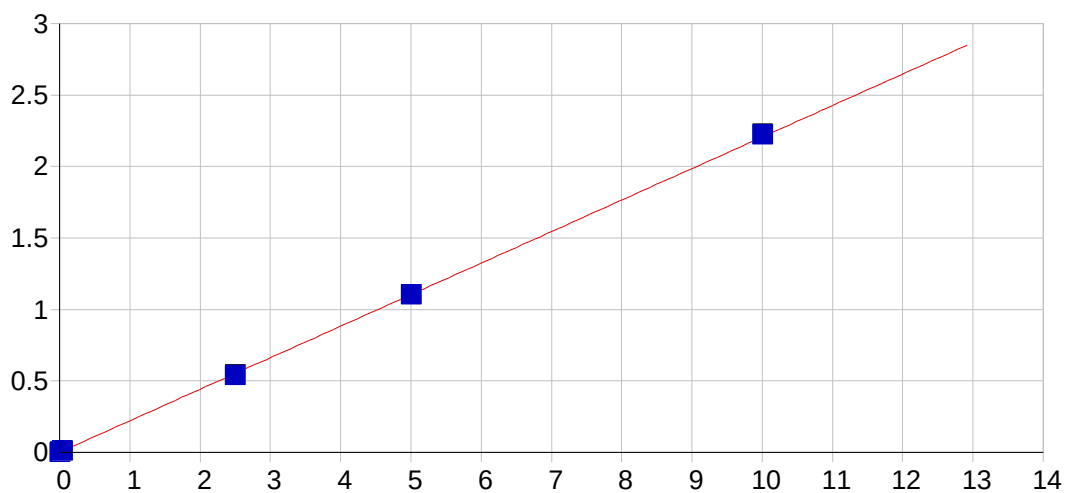
Weighting: 1/Conc

A0 (Offset): 0.020608  
 A1 (Gain): 0.543479  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999926  
 Std Error of Est: 0.000721  
 Predicted MDL: 0.002772  
 Predicted MQL: 0.009239

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .02060 | .001    | 1        |
| S1        | .40000       | .41908      | .019       | 4.77    | .24819 | .001    | 1        |
| S3        | 2.5000       | 2.5221      | .022       | .885    | 1.3906 | .003    | 1        |
| S4        | 5.0000       | 5.0551      | .055       | 1.10    | 2.7665 | .030    | 1        |
| S5        | 10.000       | 9.9037      | -.096      | -.963   | 5.4002 | .035    | 1        |

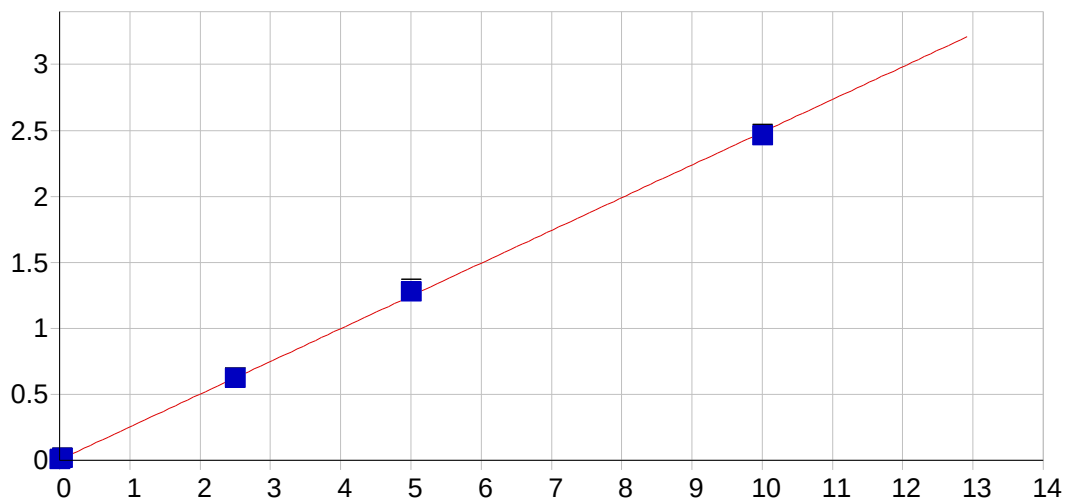


Sn 189.989 {477}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000833 Re-Slope: 1.000000  
 A1 (Gain): 0.220538 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999940 Status: OK.  
 Std Error of Est: 0.000082  
 Predicted MDL: 0.000699  
 Predicted MQL: 0.002329

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00083 | .000    | 1        |
| S1        | .04000       | .04006      | .000       | .151    | .00967 | .000    | 1        |
| S3        | 2.5000       | 2.4379      | -.062      | -2.48   | .53859 | .003    | 1        |
| S4        | 5.0000       | 4.9889      | -.011      | -.222   | 1.1013 | .002    | 1        |
| S5        | 10.000       | 10.073      | .073       | .731    | 2.2227 | .002    | 1        |



Ti 336.121 {100}

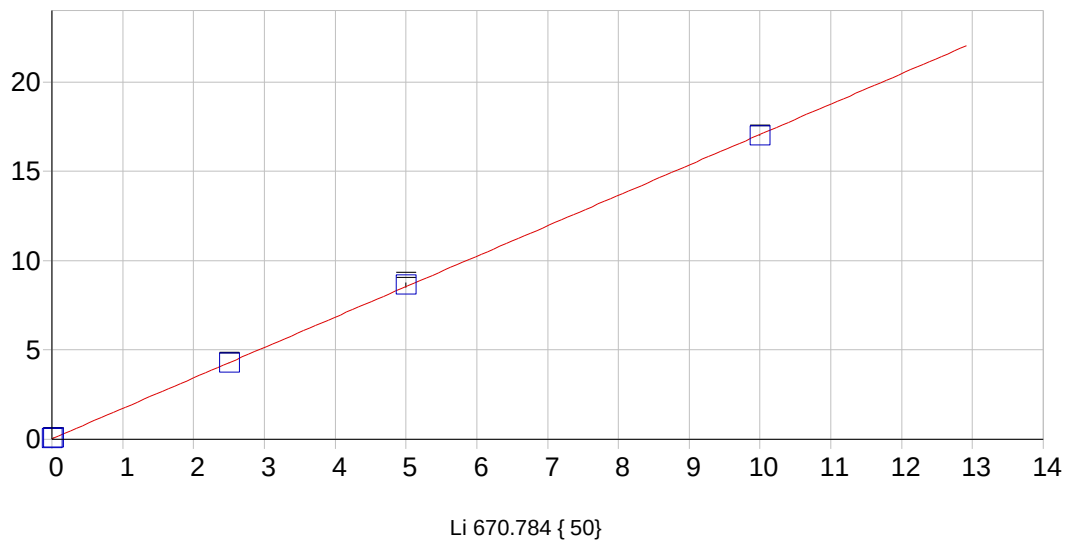
Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004852 Re-Slope: 1.000000  
 A1 (Gain): 0.248146 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999876  
 Std Error of Est: 0.000134  
 Predicted MDL: 0.002943  
 Predicted MQL: 0.009810

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00485 | .001    | 1        |
| S1        | .04000       | .04398      | .004       | 9.94    | .01576 | .000    | 1        |
| S3        | 2.5000       | 2.4897      | -.010      | -.410   | .62259 | .004    | 1        |
| S4        | 5.0000       | 5.1163      | .116       | 2.33    | 1.2743 | .021    | 1        |
| S5        | 10.000       | 9.8900      | -.110      | -1.10   | 2.4587 | .011    | 1        |

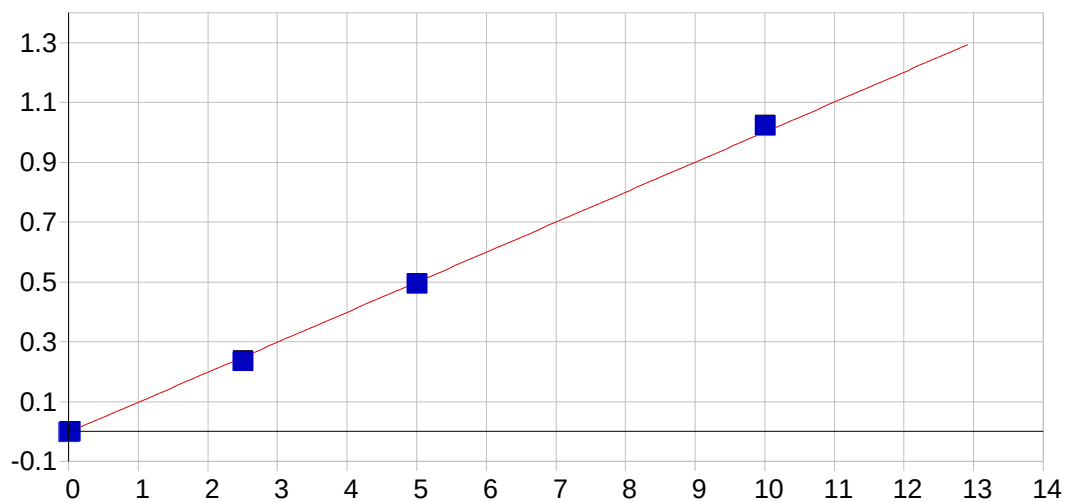


Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.028436 Re-Slope: 1.000000  
 A1 (Gain): 1.703097 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999972  
 Std Error of Est: 0.000310  
 Predicted MDL: 0.002129  
 Predicted MQL: 0.007096

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .02844 | .004    | 1        |
| S1        | .02000       | .01752      | -.002      | -12.4   | .05827 | .000    | 1        |
| S3        | 2.5000       | 2.4934      | -.007      | -.265   | 4.2749 | .017    | 1        |
| S4        | 5.0000       | 5.0501      | .050       | 1.00    | 8.6292 | .132    | 1        |
| S5        | 10.000       | 9.9590      | -.041      | -.410   | 16.990 | .016    | 1        |

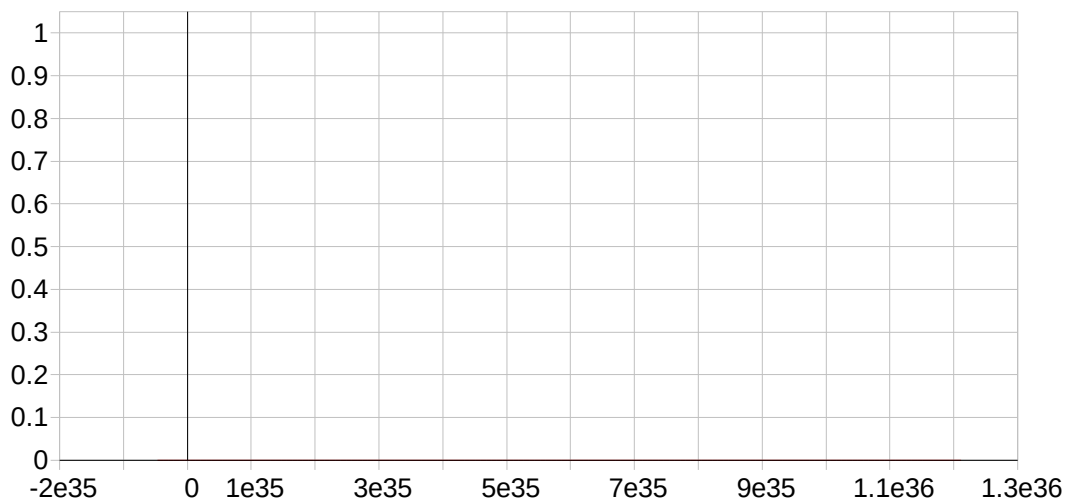


P 177.495 {490}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002912 Re-Slope: 1.000000  
 A1 (Gain): 0.100371 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999625 Status: OK.  
 Std Error of Est: 0.000066  
 Predicted MDL: 0.001519  
 Predicted MQL: 0.005064

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00291 | .000    | 1        |
| S1        | .02000       | .01854      | -.001      | -7.28   | -.00106 | .000    | 1        |
| S3        | 2.5000       | 2.3578      | -.142      | -5.69   | .23338  | .002    | 1        |
| S4        | 5.0000       | 4.9394      | -.061      | -1.21   | .49213  | .001    | 1        |
| S5        | 10.000       | 10.204      | .204       | 2.04    | 1.0198  | .002    | 1        |



Y 224.306 {450}\*

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

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

Status:      Warning      Zero Gain

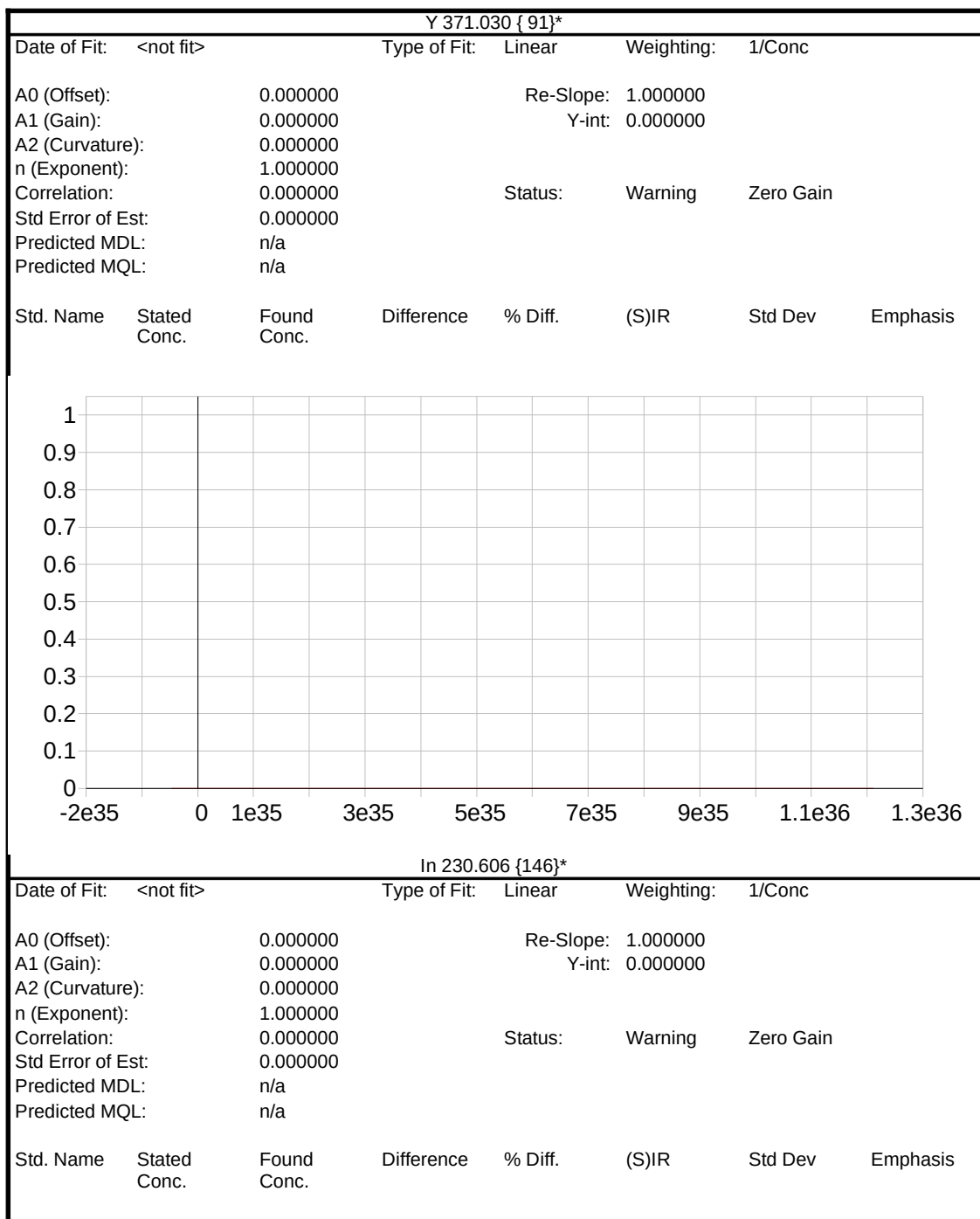
|              |           |              |        |            |        |
|--------------|-----------|--------------|--------|------------|--------|
| Date of Fit: | <not fit> | Type of Fit: | Linear | Weighting: | 1/Conc |
|--------------|-----------|--------------|--------|------------|--------|

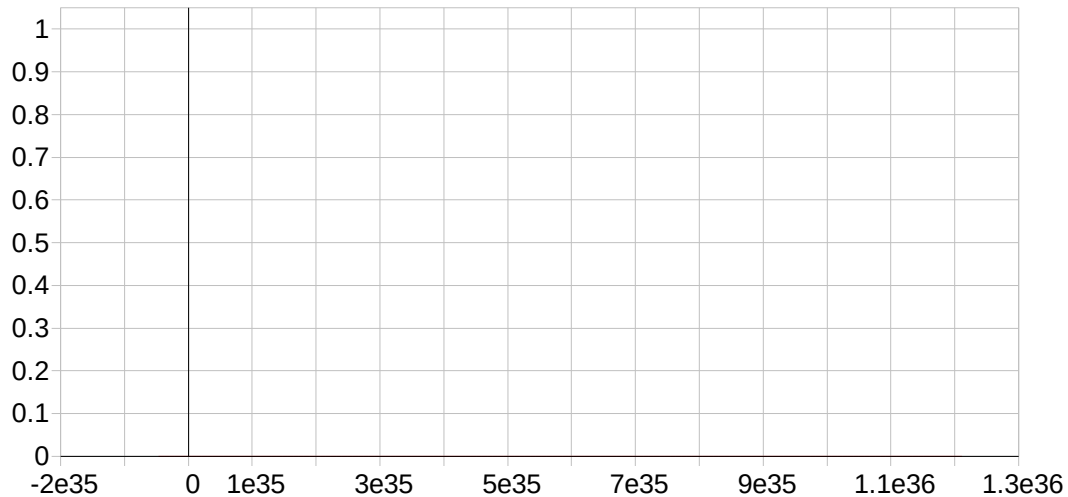
Re-Slope: 1.000000  
Y-int: 0.000000

Status:      Warning      Zero Gain

The figure shows a blank coordinate system. The vertical axis (y-axis) is labeled from 0 to 1 in increments of 0.1. The horizontal axis (x-axis) is labeled from -2e35 to 1.3e36 in increments of 1e35. A vertical line is drawn at x=0, and a horizontal line is drawn at y=0. The grid is composed of 10x10 major squares.



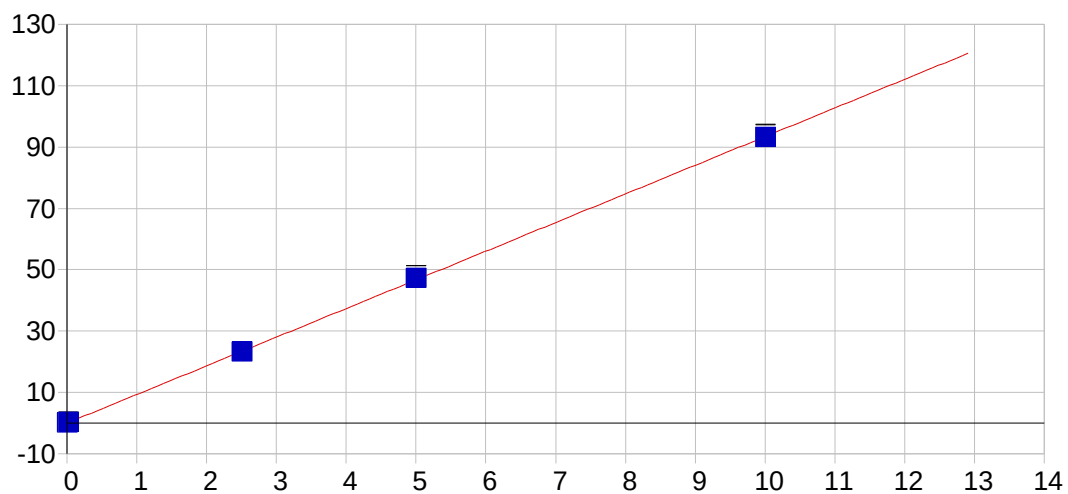




Date of Fit: <not fit>      Type of Fit: Linear      Weighting: 1/Conc

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 |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|

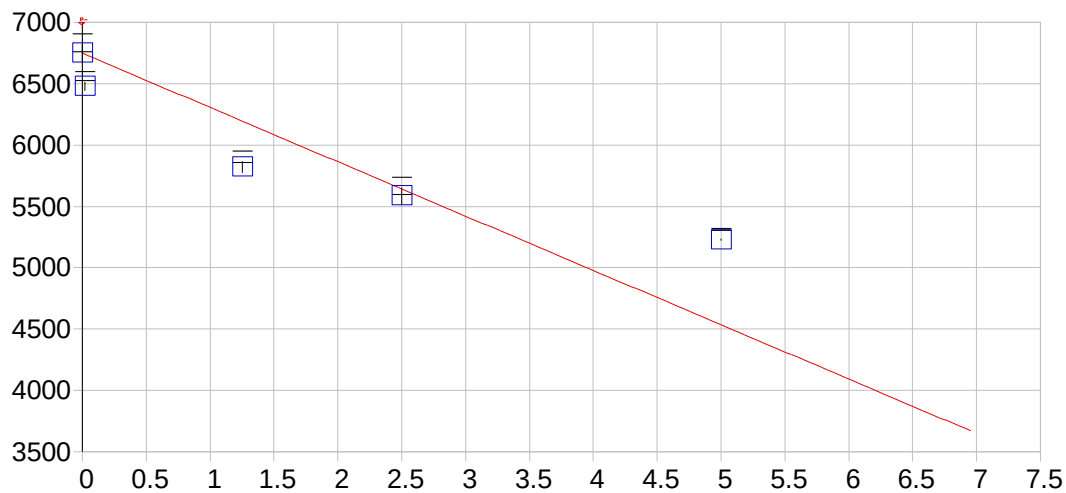


Date of Fit: 11/30/2018 15:57:05      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): -0.005835      Re-Slope: 1.000000  
 A1 (Gain): 9.340435      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999977      Status: OK.  
 Std Error of Est: 0.001523  
 Predicted MDL: 0.000147

Predicted MQL: 0.000489

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00584 | .000    | 1        |
| S1        | .02000       | .02031      | .000       | 1.53    | .18486  | .001    | 1        |
| S3        | 2.5000       | 2.4817      | -.018      | -.734   | 23.200  | .020    | 1        |
| S4        | 5.0000       | 5.0521      | .052       | 1.04    | 47.234  | .808    | 1        |
| S5        | 10.000       | 9.9659      | -.034      | -.341   | 93.183  | .849    | 1        |



Date of Fit: 11/30/2018 15:57:05

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 6748.922707

Re-Slope: 1.000000

A1 (Gain): -442.721665

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.565879

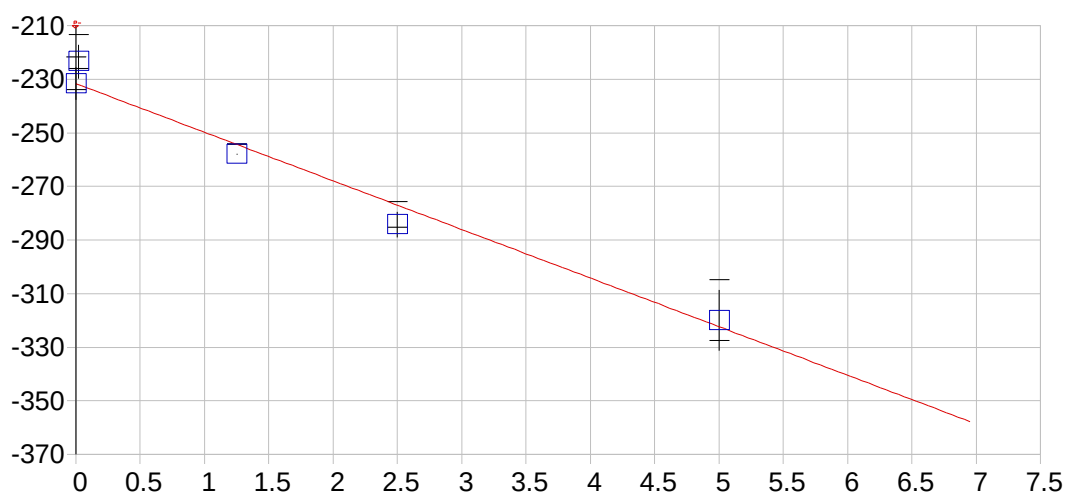
Status: Warning Negative Gain

Std Error of Est: 11.023004

Predicted MDL: n/a

Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00060     | -.001      | .000    | 6749.2 | 72.2    | 1        |
| S1        | .02000       | .61211      | .592       | 2960.   | 6477.9 | 37.6    | 1        |
| S3        | 1.2500       | 2.0960      | .846       | 67.7    | 5821.0 | 47.7    | 1        |
| S4        | 2.5000       | 2.6275      | .127       | 5.10    | 5585.7 | 70.5    | 1        |
| S5        | 5.0000       | 3.4344      | -1.57      | -31.3   | 5228.4 | 6.69    | 1        |



U 385.958 { 87}

Date of Fit: 11/30/2018 15:57:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -231.672769 Re-Slope: 1.000000

A1 (Gain): -18.132049 Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.662436

Status: Warning Negative Gain

Std Error of Est: 0.350398

Predicted MDL: n/a

Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00047      | .000       | .000    | -231.68 | 6.04    | 1        |
| S1        | .02000       | -.45127     | -.471      | -2360.  | -223.49 | 6.23    | 1        |
| S3        | 1.2500       | 1.4536      | .204       | 16.3    | -258.03 | .007    | 1        |
| S4        | 2.5000       | 2.8969      | .397       | 15.9    | -284.20 | 4.78    | 1        |
| S5        | 5.0000       | 4.8708      | -.129      | -2.58   | -319.99 | 11.4    | 1        |

Sample Name: S0      Acquired: 11/30/2018 11:02:52      Type: Cal  
Method: P4-ICP2(v2618)      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    | -.00009 | -.00080 | .00167 | -.00021 | .00061  | -.00004 | .09718  | -.00003 |
| Stddev | .00003  | .00006  | .00009 | .00012  | .00004  | .00006  | .00116  | .00004  |
| %RSD   | 30.486  | 7.7063  | 5.3565 | 56.986  | 7.0195  | 168.75  | 1.1935  | 146.16  |
| #1     | -.00007 | -.00076 | .00160 | -.00013 | .00064  | -.00008 | .09636  | .00000  |
| #2     | -.00011 | -.00085 | .00173 | -.00029 | .00058  | .00001  | .09800  | -.00005 |
| 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    | -.00103 | .00033  | .00011 | -.00018 | -.00051 | -.00849 | .00018  | .00021  |
| Stddev | .00028  | .00049  | .00003 | .00016  | .00016  | .01897  | .00001  | .00013  |
| %RSD   | 26.868  | 147.78  | 28.402 | 92.099  | 31.006  | 223.46  | 5.2154  | 62.269  |
| #1     | -.00122 | -.00001 | .00009 | -.00029 | -.00040 | -.02190 | .00019  | .00031  |
| #2     | -.00083 | .00068  | .00013 | -.00006 | -.00062 | .00492  | .00017  | .00012  |
| 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    | -.00526 | .00004  | .07453 | -.00004 | .22605  | -.03212 | .00023  | .00088  |
| Stddev | .00050  | .00006  | .00092 | .00002  | .00265  | .00125  | .00003  | .00011  |
| %RSD   | 9.5722  | 151.63  | 1.2389 | 41.777  | 1.1715  | 3.8920  | 14.842  | 12.517  |
| #1     | -.00562 | -.00000 | .07518 | -.00005 | .22792  | -.03123 | .00026  | .00081  |
| #2     | -.00490 | .00008  | .07388 | -.00003 | .22417  | -.03300 | .00021  | .00096  |
| 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    | .00712  | .02060  | .00083 | .00485  | .02844  | -.0029  | -.00584 | 6749.2  |
| Stddev | .00070  | .00083  | .00015 | .00070  | .00405  | .0001   | .00023  | 72.2    |
| %RSD   | 9.8054  | 4.0058  | 18.251 | 14.375  | 14.250  | 4.273   | 3.9485  | 1.0700  |
| #1     | .00761  | .02001  | .00094 | .00436  | .03131  | -.0028  | -.00567 | 6800.3  |
| #2     | .00663  | .02118  | .00073 | .00534  | .02557  | -.0030  | -.00600 | 6698.1  |

Sample Name: S0      Acquired: 11/30/2018 11:02:52      Type: Cal  
Method: P4-ICP2(v2618)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -231.68 |
| Stddev | 6.04    |
| %RSD   | 2.6078  |

|    |         |
|----|---------|
| #1 | -227.41 |
| #2 | -235.95 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4287.0 | 57675. | 3987.3 | 79.422 | 4597.6 |
| Stddev    | 146.3  | 36.    | 43.0   | 2.550  | 158.6  |
| %RSD      | 3.4133 | .06328 | 1.0777 | 3.2112 | 3.4489 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4183.5 | 57649. | 3956.9 | 77.618 | 4485.5 |
| #2 | 4390.5 | 57700. | 4017.7 | 81.225 | 4709.7 |

Sample Name: S1      Acquired: 11/30/2018 11:06:54      Type: Cal  
Method: P4-ICP2(v2618)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00099 | .00616 | .00394 | .00115 | .00739  | .00053 | .57954 | .00572 |
| Stddev | .00001 | .00010 | .00015 | .00004 | .00015  | .00007 | .00399 | .00009 |
| %RSD   | 1.4403 | 1.5578 | 3.8778 | 3.5693 | 2.0894  | 13.017 | .68907 | 1.6215 |
| #1     | .00100 | .00623 | .00405 | .00117 | .00749  | .00058 | .57671 | .00579 |
| #2     | .00098 | .00609 | .00383 | .00112 | .00728  | .00049 | .58236 | .00566 |
| 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    | .01770 | .00202 | .03433 | .01315 | .12611  | .02859 | .02144 | .00181 |
| Stddev | .00003 | .00007 | .00038 | .00010 | .00990  | .00012 | .00026 | .00001 |
| %RSD   | .15821 | 3.6058 | 1.1179 | .74488 | 7.8473  | .41519 | 1.2213 | .31034 |
| #1     | .01772 | .00207 | .03406 | .01308 | .13310  | .02868 | .02163 | .00181 |
| #2     | .01768 | .00197 | .03460 | .01322 | .11911  | .02851 | .02126 | .00181 |
| 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    | .00916 | 5.8560 | .15611 | .00430 | .00567  | .24819 | .00967 | .01576 |
| Stddev | .00008 | .0927  | .00048 | .00012 | .00037  | .00076 | .00002 | .00008 |
| %RSD   | .87446 | 1.5828 | .30661 | 2.8261 | 6.5245  | .30587 | .23463 | .51044 |
| #1     | .00922 | 5.9215 | .15645 | .00439 | .00593  | .24765 | .00965 | .01582 |
| #2     | .00911 | 5.7905 | .15577 | .00422 | .00540  | .24872 | .00968 | .01570 |
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |        |        |        |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |        |        |        |
| Avg    | .05827 | -.0011 | .18486 | 6477.9 | -223.49 |        |        |        |
| Stddev | .00041 | .0001  | .00085 | 37.6   | 6.23    |        |        |        |
| %RSD   | .70509 | 5.694  | .45997 | .58087 | 2.7867  |        |        |        |
| #1     | .05856 | -.0010 | .18546 | 6451.3 | -227.89 |        |        |        |
| #2     | .05798 | -.0011 | .18426 | 6504.5 | -219.09 |        |        |        |

Sample Name: S1      Acquired: 11/30/2018 11:06:54      Type: Cal  
Method: P4-ICP2(v2618)      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       | 4380.8 | 57346. | 3986.4 | 79.114 | 4670.9 |
| Stddev    | 14.7   | 448.   | 5.1    | 1.208  | 22.8   |
| %RSD      | .33536 | .78038 | .12674 | 1.5276 | .48918 |
| #1        | 4370.4 | 57030. | 3982.9 | 78.259 | 4654.7 |
| #2        | 4391.2 | 57662. | 3990.0 | 79.968 | 4687.1 |



Sample Name: S2      Acquired: 11/30/2018 11:11:24      Type: Cal  
Method: P4-ICP2(v2618)      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    | .08265 | .01515 | .63963 | .18094 |
| Stddev | .00007 | .00020 | .00254 | .00194 |
| %RSD   | .08113 | 1.3247 | .39774 | 1.0749 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .08260 | .01529 | .63783 | .17956 |
| #2 | .08270 | .01500 | .64143 | .18231 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 3975.0 |
| Stddev    | 1.0    |
| %RSD      | .02506 |

|    |        |
|----|--------|
| #1 | 3974.3 |
| #2 | 3975.7 |

Sample Name: S3      Acquired: 11/30/2018 11:15:19      Type: Cal  
Method: P4-ICP2(v2618)      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    | .13327 | .38562 | .50801 | .15874 | .32520 | .02655 | 22.230 | .11563 |
| Stddev | .00019 | .00154 | .00149 | .00061 | .00031 | .00027 | .024   | .00069 |
| %RSD   | .14368 | .39895 | .29417 | .38116 | .09414 | 1.0196 | .10676 | .59364 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .13314 | .38453 | .50695 | .15917 | .32499 | .02636 | 22.247 | .11515 |
| #2 | .13341 | .38671 | .50907 | .15831 | .32542 | .02674 | 22.214 | .11612 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 3.8777 | .49581 | .09528 | 1.3047 | .38551 | 3.3754 | 1.6024 | .08898 |
| Stddev | .0200  | .00250 | .00026 | .0056  | .00025 | .1390  | .0021  | .00035 |
| %RSD   | .51619 | .50419 | .27655 | .42888 | .06556 | 4.1186 | .13288 | .39284 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.8636 | .49405 | .09509 | 1.3008 | .38533 | 3.2771 | 1.6009 | .08873 |
| #2 | 3.8919 | .49758 | .09546 | 1.3087 | .38569 | 3.4737 | 1.6039 | .08923 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .75742 | .10343 | 3.5012 | .26160 | 158.04 | 1.2580 | 1.8829 | .09572 |
| Stddev | .00270 | .00028 | .0020  | .00048 | 5.00   | .0074  | .0017  | .00027 |
| %RSD   | .35631 | .26929 | .05828 | .18201 | 3.1637 | .58772 | .08991 | .28249 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75551 | .10324 | 3.5027 | .26126 | 154.50 | 1.2528 | 1.8817 | .09553 |
| #2 | .75933 | .10363 | 3.4998 | .26193 | 161.58 | 1.2632 | 1.8841 | .09591 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .11475 | 1.3906 | .53859 | .62259 | 4.2749 | .2334  | 23.200 | 5821.0 |
| Stddev | .00060 | .0033  | .00296 | .00409 | .0170  | .0023  | .020   | 47.7   |
| %RSD   | .52322 | .23646 | .54924 | .65660 | .39735 | .9720  | .08654 | .81978 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .11433 | 1.3883 | .53649 | .61970 | 4.2869 | .2318 | 23.214 | 5854.7 |
| #2 | .11518 | 1.3929 | .54068 | .62548 | 4.2629 | .2350 | 23.185 | 5787.2 |

Sample Name: S3      Acquired: 11/30/2018 11:15:19      Type: Cal  
Method: P4-ICP2(v2618)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -258.03 |
| Stddev | .01     |
| %RSD   | .00263  |

|    |         |
|----|---------|
| #1 | -258.03 |
| #2 | -258.02 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4277.2 | 54900. | 3946.2 | 76.225 | 4315.1 |
| Stddev    | 28.9   | 100.   | 17.7   | 1.851  | 18.0   |
| %RSD      | .67500 | .18221 | .44812 | 2.4287 | .41799 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4256.8 | 54970. | 3933.7 | 77.534 | 4302.4 |
| #2 | 4297.6 | 54829. | 3958.7 | 74.916 | 4327.9 |

Sample Name: S4      Acquired: 11/30/2018 11:19:05      Type: Cal  
Method: P4-ICP2(v2618)      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    | .27264 | .78222 | 1.0340 | .32231 | .65909 | .05479 | 44.949 | .23538 |
| Stddev | .00014 | .00038 | .0026  | .00043 | .00058 | .00020 | .761   | .00093 |
| %RSD   | .05157 | .04858 | .25540 | .13467 | .08860 | .35708 | 1.6928 | .39420 |
| #1     | .27274 | .78196 | 1.0359 | .32262 | .65950 | .05465 | 44.411 | .23604 |
| #2     | .27255 | .78249 | 1.0321 | .32201 | .65867 | .05493 | 45.487 | .23473 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 7.9983 | 1.0244 | .19357 | 2.6805 | .76644 | 7.0369 | 3.2198 | .18387 |
| Stddev | .0067  | .0204  | .00043 | .0052  | .00202 | .0112  | .0072  | .00308 |
| %RSD   | .08395 | 1.9876 | .22229 | .19245 | .26330 | .15846 | .22278 | 1.6730 |
| #1     | 8.0030 | 1.0100 | .19388 | 2.6841 | .76787 | 7.0290 | 3.2248 | .18170 |
| #2     | 7.9935 | 1.0388 | .19327 | 2.6768 | .76501 | 7.0448 | 3.2147 | .18605 |
| 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    | 1.5437 | .20847 | 7.0065 | .53033 | 324.24 | 2.5686 | 3.7841 | .19598 |
| Stddev | .0037  | .00010 | .1206  | .00053 | 5.93   | .0446  | .0013  | .00439 |
| %RSD   | .24224 | .05007 | 1.7210 | .10053 | 1.8296 | 1.7349 | .03404 | 2.2415 |
| #1     | 1.5463 | .20855 | 6.9212 | .53071 | 328.43 | 2.5371 | 3.7850 | .19288 |
| #2     | 1.5410 | .20840 | 7.0917 | .52995 | 320.04 | 2.6001 | 3.7831 | .19909 |
| 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    | .23474 | 2.7665 | 1.1013 | 1.2743 | 8.6292 | .4921  | 47.234 | 5585.7 |
| Stddev | .00064 | .0300  | .0020  | .0209  | .1317  | .0007  | .808   | 70.5   |
| %RSD   | .27053 | 1.0856 | .18529 | 1.6417 | 1.5265 | .1382  | 1.7099 | 1.2616 |
| #1     | .23429 | 2.7453 | 1.0998 | 1.2595 | 8.5361 | .4917  | 46.663 | 5535.9 |
| #2     | .23519 | 2.7877 | 1.1027 | 1.2891 | 8.7224 | .4926  | 47.805 | 5635.5 |

Sample Name: S4      Acquired: 11/30/2018 11:19:05      Type: Cal  
Method: P4-ICP2(v2618)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -284.20 |
| Stddev | 4.78    |
| %RSD   | 1.6813  |

|    |         |
|----|---------|
| #1 | -280.82 |
| #2 | -287.58 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4216.5 | 54415. | 3937.8 | 74.132 | 4136.9 |
| Stddev    | 15.2   | 319.   | 31.2   | 1.501  | 16.9   |
| %RSD      | .36095 | .58582 | .79119 | 2.0253 | .40831 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4205.7 | 54189. | 3959.9 | 73.071 | 4125.0 |
| #2 | 4227.3 | 54640. | 3915.8 | 75.194 | 4148.9 |

Sample Name: S5      Acquired: 11/30/2018 11:22:51      Type: Cal  
Method: P4-ICP2(v2618)      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    | .54718 | 1.5509 | 2.0860 | .63900 | 1.3141 | .11016 | 87.192 | .46575 |
| Stddev | .00057 | .0009  | .0022  | .00058 | .0003  | .00046 | 1.324  | .00015 |
| %RSD   | .10355 | .05911 | .10698 | .09047 | .02405 | .42009 | 1.5185 | .03151 |
| #1     | .54678 | 1.5503 | 2.0844 | .63859 | 1.3139 | .10983 | 88.128 | .46586 |
| #2     | .54758 | 1.5516 | 2.0876 | .63941 | 1.3144 | .11049 | 86.256 | .46565 |
| 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    | 16.228 | 2.0007 | .38394 | 5.4458 | 1.5027 | 13.649 | 6.2531 | .35509 |
| Stddev | .012   | .0018  | .00166 | .0067  | .0013  | .170   | .0011  | .00084 |
| %RSD   | .07252 | .08933 | .43210 | .12397 | .08517 | 1.2472 | .01782 | .23571 |
| #1     | 16.220 | 2.0020 | .38511 | 5.4411 | 1.5036 | 13.769 | 6.2523 | .35568 |
| #2     | 16.237 | 1.9994 | .38277 | 5.4506 | 1.5018 | 13.528 | 6.2539 | .35450 |
| 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    | 3.1170 | .41063 | 13.753 | 1.0464 | 620.53 | 5.0766 | 7.4706 | .38367 |
| Stddev | .0005  | .00005 | .028   | .0024  | 5.35   | .0021  | .0018  | .00134 |
| %RSD   | .01743 | .01146 | .20438 | .22916 | .86237 | .04188 | .02454 | .34890 |
| #1     | 3.1166 | .41060 | 13.773 | 1.0481 | 624.31 | 5.0781 | 7.4694 | .38272 |
| #2     | 3.1174 | .41067 | 13.733 | 1.0447 | 616.74 | 5.0751 | 7.4719 | .38462 |
| 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    | .48317 | 5.4002 | 2.2227 | 2.4587 | 16.990 | 1.020  | 93.183 | 5228.4 |
| Stddev | .00083 | .0351  | .0016  | .0114  | .016   | .002   | .849   | 6.7    |
| %RSD   | .17085 | .64936 | .07357 | .46457 | .09672 | .2187  | .91161 | .12800 |
| #1     | .48258 | 5.4250 | 2.2216 | 2.4668 | 17.001 | 1.018  | 92.582 | 5223.7 |
| #2     | .48375 | 5.3754 | 2.2239 | 2.4506 | 16.978 | 1.021  | 93.784 | 5233.2 |

Sample Name: S5      Acquired: 11/30/2018 11:22:51      Type: Cal  
 Method: P4-ICP2(v2618)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -319.99 |
| Stddev | 11.37   |
| %RSD   | 3.5535  |

|    |         |
|----|---------|
| #1 | -328.03 |
| #2 | -311.95 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4057.7 | 52664. | 3899.5 | 73.630 | 3853.7 |
| Stddev    | 9.4    | 63.    | 24.4   | .816   | 7.0    |
| %RSD      | .23264 | .11959 | .62692 | 1.1081 | .18145 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4051.0 | 52619. | 3882.2 | 73.053 | 3848.7 |
| #2 | 4064.3 | 52708. | 3916.8 | 74.206 | 3858.6 |

Sample Name: ICV01      Acquired: 11/30/2018 11:46:41      Type: Unk  
Method: P4-ICP2(v2618)      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    | 1.0340 | 1.0470 | 1.0069 | 1.0202 | 1.0184 | 2.6125 | F .52901 |
| Stddev | .0051  | .0015  | .0026  | .0064  | .0013  | .0103  | .00224   |
| %RSD   | .49150 | .14133 | .25733 | .62391 | .13175 | .39493 | .42300   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0304 | 1.0481 | 1.0051 | 1.0247 | 1.0175 | 2.6052 | .52743 |
| #2 | 1.0376 | 1.0460 | 1.0088 | 1.0157 | 1.0194 | 2.6198 | .53059 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50078 | .48902 | F 10.822 | .47248 | .50796 | .48944 | 4.9739 |
| Stddev | .00006 | .00042 | .014     | .00420 | .00088 | .00087 | .0335  |
| %RSD   | .01282 | .08509 | .13020   | .88974 | .17313 | .17749 | .67353 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50073 | .48872 | 10.812 | .47545 | .50734 | .48883 | 4.9503 |
| #2 | .50083 | .48931 | 10.832 | .46951 | .50858 | .49005 | 4.9976 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51949 | 6.1355 | .50512 | .50091 | 10.065 | .50262 | 1.0475 |
| Stddev | .00008 | .0511  | .00114 | .00133 | .111   | .00022 | .0072  |
| %RSD   | .01619 | .83299 | .22564 | .26595 | 1.1051 | .04456 | .68823 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .51954 | 6.1717 | .50431 | .49997 | 9.9866 | .50278 | 1.0424 |
| #2 | .51943 | 6.0994 | .50592 | .50186 | 10.144 | .50246 | 1.0526 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.114 | 2.5855 | 2.5795 | F -.10895 | 2.5296 | 2.4696 | 2.5913 |
| Stddev | .037   | .0002  | .0187  | .00041    | .0024  | .0045  | .0022  |
| %RSD   | .36561 | .00753 | .72568 | .37343    | .09476 | .18152 | .08675 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.088 | 2.5856 | 2.5927 | -.10924 | 2.5313 | 2.4665 | 2.5929 |
| #2 | 10.141 | 2.5853 | 2.5662 | -.10867 | 2.5279 | 2.4728 | 2.5897 |



Sample Name: ICV01      Acquired: 11/30/2018 11:46:41      Type: Unk  
Method: P4-ICP2(v2618)      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 -.00178 | F -.0000 | F .00703 | F 3.5395 | F 2.3850 |
| Stddev | .00009    | .0013    | .00020   | .0858    | .5713    |
| %RSD   | 5.0884    | 4092.    | 2.7931   | 2.4241   | 23.952   |

|    |         |        |        |        |        |
|----|---------|--------|--------|--------|--------|
| #1 | -.00171 | .0009  | .00717 | 3.6002 | 1.9811 |
| #2 | -.00184 | -.0009 | .00689 | 3.4788 | 2.7889 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4167.0 | 53985. | 3885.4 | 76.232 | 4343.8 |
| Stddev    | 9.6    | 75.    | 24.2   | .566   | 5.1    |
| %RSD      | .22932 | .13915 | .62215 | .74187 | .11737 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4160.3 | 53932. | 3902.4 | 76.632 | 4340.2 |
| #2 | 4173.8 | 54038. | 3868.3 | 75.832 | 4347.4 |

Sample Name: LLICV01      Acquired: 11/30/2018 11:50:29      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02265 | .04485 | .01192 | .02291 | .05794 | .11327 | .11352 |
| Stddev | .00171 | .00028 | .00052 | .00107 | .00165 | .00525 | .00275 |
| %RSD   | 7.5286 | .63212 | 4.3710 | 4.6798 | 2.8534 | 4.6357 | 2.4233 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02386 | .04465 | .01156 | .02215 | .05677 | .11699 | .11547 |
| #2 | .02144 | .04505 | .01229 | .02366 | .05911 | .10956 | .11158 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00613 | .00614 | 2.2760 | .01021 | .03365 | .02293 | .09969 |
| Stddev | .00049 | .00009 | .0169  | .00097 | .00021 | .00028 | .01649 |
| %RSD   | 7.9390 | 1.4665 | .74255 | 9.4878 | .63624 | 1.2157 | 16.543 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00648 | .00607 | 2.2641 | .01090 | .03350 | .02313 | .08802 |
| #2 | .00579 | .00620 | 2.2880 | .00953 | .03380 | .02274 | .11135 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02249 | 2.2203 | .04347 | .01039 | 2.0321 | .04221 | .04647 |
| Stddev | .00169 | .0163  | .00033 | .00110 | .0030  | .00303 | .00008 |
| %RSD   | 7.5084 | .73510 | .74845 | 10.573 | .14633 | 7.1715 | .18048 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02368 | 2.2088 | .04370 | .01116 | 2.0342 | .04435 | .04641 |
| #2 | .02129 | 2.2318 | .04324 | .00961 | 2.0300 | .04007 | .04653 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 2.0812 | .21107 | .10281 | F -.10959 | .42354 | .04240 | .04676 |
| Stddev | .0332  | .00135 | .00370 | .00193    | .01013 | .00066 | .00547 |
| %RSD   | 1.5954 | .64145 | 3.5992 | 1.7565    | 2.3918 | 1.5592 | 11.698 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.0577 | .21011 | .10543 | -.10823 | .43070 | .04194 | .05062 |
| #2 | 2.1047 | .21203 | .10019 | -.11095 | .41638 | .04287 | .04289 |

Sample Name: LLICV01      Acquired: 11/30/2018 11:50:29      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .01872 | .0172  | .02282 | F 2.3194 | F .46490 |
| Stddev | .00040 | .0009  | .00031 | .9904    | .59658   |
| %RSD   | 2.1142 | 5.222  | 1.3511 | 42.699   | 128.32   |

|    |        |       |        |        |        |
|----|--------|-------|--------|--------|--------|
| #1 | .01844 | .0178 | .02304 | 3.0197 | .88675 |
| #2 | .01900 | .0165 | .02260 | 1.6191 | .04306 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4234.7 | 58050. | 3940.1 | 78.275 | 4577.9 |
| Stddev    | 4.0    | 3810.  | 24.0   | .032   | 6.6    |
| %RSD      | .09528 | 6.5636 | .60839 | .04106 | .14411 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4231.9 | 55356. | 3923.1 | 78.298 | 4573.3 |
| #2 | 4237.6 | 60744. | 3957.0 | 78.252 | 4582.6 |

Sample Name: ICB01      Acquired: 11/30/2018 11:53:32      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00068 | -.00057 | -.00155 | .00102 | -.00044 | .00554 | .00388 |
| Stddev | .00191 | .00019  | .00110  | .00245 | .00064  | .00456 | .00095 |
| %RSD   | 280.61 | 32.649  | 70.780  | 241.47 | 144.69  | 82.224 | 24.368 |

|    |         |         |         |         |         |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|
| #1 | .00203  | -.00070 | -.00078 | -.00072 | -.00089 | .00232 | .00455 |
| #2 | -.00067 | -.00044 | -.00233 | .00275  | .00001  | .00876 | .00321 |

|        |         |         |        |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00003 | -.00001 | .00119 | -.00049 | -.00011 | -.00004 | -.00708 |
| Stddev | .00004  | .00004  | .00829 | .00074  | .00019  | .00008  | .00346  |
| %RSD   | 124.12  | 307.91  | 699.73 | 150.04  | 169.49  | 199.19  | 48.887  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00005 | .00001  | .00705  | .00003  | .00002  | -.00010 | -.00953 |
| #2 | -.00000 | -.00004 | -.00468 | -.00101 | -.00024 | .00002  | -.00463 |

|        |        |         |         |        |         |         |         |
|--------|--------|---------|---------|--------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00004 | -.01564 | -.00022 | .00055 | -.13697 | -.00024 | -.00063 |
| Stddev | .00001 | .09143  | .00010  | .00038 | .01293  | .00024  | .00014  |
| %RSD   | 22.626 | 584.75  | 46.118  | 68.750 | 9.4383  | 99.852  | 22.885  |

|    |        |         |         |        |         |         |         |
|----|--------|---------|---------|--------|---------|---------|---------|
| #1 | .00003 | -.08029 | -.00015 | .00028 | -.12783 | -.00007 | -.00053 |
| #2 | .00004 | .04902  | -.00029 | .00082 | -.14611 | -.00040 | -.00073 |

|        |         |        |         |           |         |        |        |
|--------|---------|--------|---------|-----------|---------|--------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820    | Si2881  | Sn1899 | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm       | ppm     | ppm    | ppm    |
| Avg    | -.02377 | .00013 | -.01807 | F -.12867 | -.00783 | .00003 | .00134 |
| Stddev | .09750  | .00018 | .00954  | .00078    | .00283  | .00032 | .00084 |
| %RSD   | 410.19  | 136.21 | 52.810  | .60390    | 36.123  | 1022.7 | 62.855 |

|    |         |        |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|--------|
| #1 | .04517  | .00026 | -.02482 | -.12812 | -.00583 | .00026  | .00194 |
| #2 | -.09271 | .00000 | -.01132 | -.12922 | -.00983 | -.00020 | .00074 |

Sample Name: ICB01      Acquired: 11/30/2018 11:53:32      Type: Unk  
 Method: P4-ICP2(v2618)      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    | -0.00342 | -0.0019 | -0.00013 | F 3.2269 | F .15708 |
| Stddev | .00123   | .0002   | .00002   | .0605    | .63619   |
| %RSD   | 35.986   | 8.815   | 14.060   | 1.8755   | 405.00   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00429 | -0.0020 | -0.00012 | 3.2697 | -.29277 |
| #2 | -0.00255 | -0.0018 | -0.00014 | 3.1841 | .60694  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4207.2 | 55217. | 3864.6 | 76.849 | 4597.6 |
| Stddev    | 13.0   | 169.   | 39.9   | 3.126  | 16.0   |
| %RSD      | .30933 | .30515 | 1.0321 | 4.0674 | .34802 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4198.0 | 55098. | 3836.4 | 74.639 | 4586.3 |
| #2 | 4216.4 | 55336. | 3892.8 | 79.059 | 4609.0 |

Sample Name: CRI01      Acquired: 11/30/2018 12:01:37      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02173 | .04563 | .01245 | .02290 | .05888 | .12327 | .11943 |
| Stddev | .00191 | .00094 | .00002 | .00014 | .00135 | .00617 | .00099 |
| %RSD   | 8.7963 | 2.0630 | .18121 | .60965 | 2.3002 | 5.0018 | .82511 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02038 | .04497 | .01246 | .02280 | .05793 | .11891 | .12013 |
| #2 | .02308 | .04630 | .01243 | .02300 | .05984 | .12763 | .11874 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00643 | .00620 | 2.3450 | .01116 | .03486 | .02333 | .10734 |
| Stddev | .00009 | .00001 | .0114  | .00050 | .00051 | .00012 | .00926 |
| %RSD   | 1.3685 | .19626 | .48442 | 4.4737 | 1.4502 | .49759 | 8.6231 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00637 | .00621 | 2.3370 | .01081 | .03450 | .02325 | .11388 |
| #2 | .00649 | .00619 | 2.3531 | .01151 | .03521 | .02341 | .10079 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02470 | 2.2484 | .04472 | .01062 | 2.0392 | .04556 | .04497 |
| Stddev | .00001 | .0198  | .00012 | .00027 | .0035  | .00000 | .00079 |
| %RSD   | .03597 | .87863 | .26967 | 2.5415 | .17313 | .00640 | 1.7511 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02469 | 2.2344 | .04481 | .01082 | 2.0367 | .04555 | .04553 |
| #2 | .02470 | 2.2623 | .04464 | .01043 | 2.0417 | .04556 | .04441 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 2.0879 | .21523 | .09352 | F -.11297 | .43561 | .04107 | .04798 |
| Stddev | .0434  | .00085 | .01592 | .00113    | .00216 | .00068 | .00075 |
| %RSD   | 2.0797 | .39321 | 17.022 | .99941    | .49679 | 1.6572 | 1.5690 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.1186 | .21463 | .08226 | -.11217 | .43715 | .04155 | .04852 |
| #2 | 2.0572 | .21583 | .10477 | -.11377 | .43408 | .04059 | .04745 |

Sample Name: CRI01      Acquired: 11/30/2018 12:01:37      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .01682 | .0168  | .02343 | F 3.7046 | F .28439 |
| Stddev | .00136 | .0002  | .00001 | .0280    | .10577   |
| %RSD   | 8.1098 | 1.046  | .03061 | .75589   | 37.192   |

|    |        |       |        |        |        |
|----|--------|-------|--------|--------|--------|
| #1 | .01585 | .0167 | .02343 | 3.7244 | .20960 |
| #2 | .01778 | .0169 | .02344 | 3.6848 | .35918 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4146.5 | 54295. | 3874.2 | 75.700 | 4495.0 |
| Stddev    | 19.8   | 56.    | 39.9   | 1.466  | 17.5   |
| %RSD      | .47805 | .10239 | 1.0308 | 1.9361 | .38926 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4160.5 | 54256. | 3845.9 | 74.664 | 4507.4 |
| #2 | 4132.5 | 54335. | 3902.4 | 76.736 | 4482.7 |

Sample Name: ICSA01      Acquired: 11/30/2018 12:05:39      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00757 | .00225 | -.00419 | -.00723 | .01336 | 229.38 | .02942 |
| Stddev | .00053 | .00133 | .00208  | .00058  | .00007 | .01    | .00083 |
| %RSD   | 7.0092 | 59.178 | 49.570  | 8.0025  | .51528 | .00416 | 2.8050 |

|    |        |        |         |         |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|
| #1 | .00719 | .00320 | -.00272 | -.00682 | .01331 | 229.37 | .03000 |
| #2 | .00794 | .00131 | -.00566 | -.00764 | .01341 | 229.38 | .02884 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00088 | .00362 | 277.91 | .06089 | .00406 | -.00256 | 102.87 |
| Stddev | .00003 | .00001 | .71    | .00052 | .00018 | .00010  | .42    |
| %RSD   | 3.4751 | .26891 | .25704 | .85167 | 4.4216 | 3.7127  | .40599 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00086 | .00362 | 278.41 | .06126 | .00393 | -.00249 | 103.16 |
| #2 | .00090 | .00361 | 277.40 | .06052 | .00418 | -.00263 | 102.57 |

|        |        |        |         |         |         |        |        |
|--------|--------|--------|---------|---------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01258 | 271.87 | -.00286 | -.00280 | -.03697 | .00558 | .00332 |
| Stddev | .00006 | .35    | .00006  | .00099  | .01107  | .00012 | .00008 |
| %RSD   | .51548 | .12716 | 2.2570  | 35.353  | 29.948  | 2.1618 | 2.3014 |

|    |        |        |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|
| #1 | .01254 | 271.62 | -.00281 | -.00351 | -.04480 | .00567 | .00337 |
| #2 | .01263 | 272.11 | -.00290 | -.00210 | -.02914 | .00550 | .00326 |

|        |        |        |         |           |         |        |        |
|--------|--------|--------|---------|-----------|---------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881  | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm     | ppm    | ppm    |
| Avg    | .05037 | .00940 | -.04453 | F -.08690 | -.00459 | .01399 | .00973 |
| Stddev | .02426 | .00006 | .00648  | .00500    | .00086  | .00177 | .00027 |
| %RSD   | 48.169 | .60020 | 14.563  | 5.7546    | 18.671  | 12.682 | 2.7843 |

|    |        |        |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|
| #1 | .06753 | .00936 | -.03994 | -.09044 | -.00519 | .01274 | .00954 |
| #2 | .03321 | .00944 | -.04911 | -.08337 | -.00398 | .01525 | .00992 |



Sample Name: ICSA01      Acquired: 11/30/2018 12:05:39      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .01703 | .0093  | .01719 | F 5.2331 | F<.00000 |
| Stddev | .00122 | .0018  | .00017 | .0750    | .29042   |
| %RSD   | 7.1922 | 19.29  | .98051 | 1.4326   | 47.075   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .01616 | .0105 | .01707 | 5.2861 | -.82227 |
| #2 | .01789 | .0080 | .01731 | 5.1801 | -.41156 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3653.9 | 47045. | 3718.5 | 69.374 | 3530.4 |
| Stddev    | 7.6    | 75.    | 15.6   | .537   | 3.2    |
| %RSD      | .20934 | .15938 | .41894 | .77367 | .09092 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3648.5 | 46992. | 3707.4 | 68.994 | 3532.7 |
| #2 | 3659.3 | 47098. | 3729.5 | 69.753 | 3528.1 |

Sample Name: ICSAB01      Acquired: 11/30/2018 12:09:43      Type: Unk  
Method: P4-ICP2(v2618)      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    | .11273 | .10014 | .04258 | .04223 | .70684 | 225.64 | .58973 |
| Stddev | .00242 | .00106 | .00001 | .00375 | .00341 | .83    | .00398 |
| %RSD   | 2.1449 | 1.0606 | .02359 | 8.8876 | .48285 | .36650 | .67426 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .11444 | .10089 | .04259 | .03957 | .70443 | 226.23 | .59254 |
| #2 | .11102 | .09939 | .04258 | .04488 | .70925 | 225.06 | .58692 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .58621 | 1.1036 | 271.97 | .63665 | .56174 | .55134 | 101.36 |
| Stddev | .00067 | .0004  | 2.09   | .00080 | .00112 | .00293 | 1.25   |
| %RSD   | .11416 | .04043 | .76918 | .12590 | .19852 | .53060 | 1.2306 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .58669 | 1.1033 | 273.45 | .63722 | .56253 | .55341 | 100.48 |
| #2 | .58574 | 1.1039 | 270.49 | .63609 | .56095 | .54928 | 102.24 |

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .58965 | 266.92 | 1.0726 | .22871 | -.08006 | .54577 | 1.0630 |
| Stddev | .00003 | 2.92   | .0027  | .00076 | .00408  | .00042 | .0190  |
| %RSD   | .00542 | 1.0940 | .25590 | .33182 | 5.0937  | .07618 | 1.7882 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .58967 | 268.98 | 1.0707 | .22817 | -.07718 | .54606 | 1.0496 |
| #2 | .58963 | 264.85 | 1.0746 | .22924 | -.08295 | .54547 | 1.0764 |

|        |        |          |          |          |          |          |          |
|--------|--------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7664 | Mo2020   | B_2496   | S_1820   | Si2881   | Sn1899   | Ti3361   |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .02341 | F .88695 | F .83774 | F 1.1542 | F .83049 | F .86993 | F .89212 |
| Stddev | .03020 | .00001   | .00422   | .0006    | .00605   | .00001   | .00459   |
| %RSD   | 128.98 | .00095   | .50379   | .05347   | .72896   | .00147   | .51396   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00206 | .88696 | .84073 | 1.1538 | .83477 | .86992 | .89537 |
| #2 | .04476 | .88694 | .83476 | 1.1547 | .82621 | .86994 | .88888 |

Sample Name: ICSAB01      Acquired: 11/30/2018 12:09:43      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | F 1.2525 | F 1.317 | F 1.2045 | F 5.3991 | F<.00000 |
| Stddev | .0043    | .001    | .0065    | .0772    | .88139   |
| %RSD   | .33912   | .0813   | .54195   | 1.4305   | 209.23   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | 1.2495 | 1.316 | 1.2091 | 5.4537 | -1.0445 |
| #2 | 1.2555 | 1.318 | 1.1999 | 5.3445 | .20199  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3628.5 | 47111. | 3720.6 | 69.230 | 3501.1 |
| Stddev    | 2.3    | 39.    | 2.6    | 1.419  | 7.6    |
| %RSD      | .06370 | .08348 | .06967 | 2.0492 | .21691 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3630.2 | 47083. | 3718.8 | 70.233 | 3506.5 |
| #2 | 3626.9 | 47139. | 3722.5 | 68.227 | 3495.7 |

Sample Name: CCV01      Acquired: 11/30/2018 12:23:21      Type: Unk  
Method: P4-ICP2(v2618)      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    | F 5.3292 | 4.9570   | 5.0611 | 5.1271 | F 5.3315 | F 10.607 | 10.301   | .24954 |
| Stddev | .0178    | .0056    | .0001  | .0073  | .0015    | .139     | .018     | .00055 |
| %RSD   | .33470   | .11350   | .00248 | .14148 | .02846   | 1.3090   | .17097   | .22178 |
| #1     | 5.3166   | 4.9609   | 5.0610 | 5.1219 | 5.3305   | 10.509   | 10.313   | .24993 |
| #2     | 5.3418   | 4.9530   | 5.0612 | 5.1322 | 5.3326   | 10.706   | 10.288   | .24914 |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247   | Fe2404   | Mn2576   | Mg2790 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm      | ppm      | ppm      | ppm    |
| Avg    | 2.5284   | F 26.351 | 1.0494 | 2.5762 | 1.2901   | 4.9480   | 2.6162   | 24.391 |
| Stddev | .0014    | .009     | .0002  | .0045  | .0036    | .0129    | .0006    | .203   |
| %RSD   | .05428   | .03507   | .01547 | .17559 | .27801   | .26134   | .02273   | .83248 |
| #1     | 2.5294   | 26.357   | 1.0493 | 2.5794 | 1.2875   | 4.9388   | 2.6166   | 24.248 |
| #2     | 2.5274   | 26.344   | 1.0495 | 2.5730 | 1.2926   | 4.9571   | 2.6158   | 24.535 |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138   | K_7664   | Mo2020   | B_2496 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm      | ppm      | ppm      | ppm    |
| Avg    | 2.4739   | 1.2273   | 24.970 | 2.4171 | 2.6078   | 23.915   | 4.9434   | 4.8742 |
| Stddev | .0020    | .0007    | .026   | .0077  | .0276    | .026     | .0064    | .0408  |
| %RSD   | .08022   | .05356   | .10516 | .31736 | 1.0583   | .11022   | .12890   | .83811 |
| #1     | 2.4753   | 1.2269   | 24.988 | 2.4225 | 2.6273   | 23.896   | 4.9388   | 4.9031 |
| #2     | 2.4725   | 1.2278   | 24.951 | 2.4117 | 2.5883   | 23.934   | 4.9479   | 4.8454 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707   | P_1774   | Sr4077   | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm      | ppm      | ppm      | ppm    |
| Avg    | 4.7867   | 5.1349   | 4.7972 | 5.0017 | 5.0693   | 4.958    | F 5.3761 | 5.1459 |
| Stddev | .0098    | .0590    | .0046  | .0254  | .0023    | .005     | .0099    | .0104  |
| %RSD   | .20423   | 1.1497   | .09531 | .50752 | .04515   | .1029    | .18394   | .20229 |
| #1     | 4.7798   | 5.1767   | 4.8004 | 4.9838 | 5.0710   | 4.955    | 5.3830   | 5.1532 |
| #2     | 4.7936   | 5.0932   | 4.7940 | 5.0197 | 5.0677   | 4.962    | 5.3691   | 5.1385 |

Sample Name: CCV01      Acquired: 11/30/2018 12:23:21      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.7825  
Stddev      .4584  
%RSD      16.473

#1      3.1066  
#2      2.4583

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3831.3 | 50458. | 3774.1 | 69.610 | 3854.3 |
| Stddev    | .5     | 171.   | 40.0   | .754   | 5.6    |
| %RSD      | .01179 | .33887 | 1.0596 | 1.0829 | .14434 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3831.7 | 50579. | 3745.8 | 69.077 | 3850.4 |
| #2 | 3831.0 | 50337. | 3802.4 | 70.143 | 3858.2 |

Sample Name: LLCCV01      Acquired: 11/30/2018 12:32:41      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02097 | .04378 | .01181 | .02118 | .05555 | .11088 | .11345 |
| Stddev | .00066 | .00094 | .00110 | .00099 | .00127 | .02382 | .00053 |
| %RSD   | 3.1684 | 2.1536 | 9.3410 | 4.6527 | 2.2876 | 21.486 | .46808 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02050 | .04445 | .01103 | .02187 | .05465 | .09404 | .11308 |
| #2 | .02144 | .04311 | .01259 | .02048 | .05645 | .12773 | .11383 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00642 | .00602 | 2.2080 | .01061 | .03386 | .02242 | .09182 |
| Stddev | .00002 | .00015 | .0239  | .00005 | .00001 | .00003 | .00987 |
| %RSD   | .25827 | 2.4143 | 1.0817 | .49523 | .02693 | .14031 | 10.753 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00643 | .00592 | 2.1911 | .01065 | .03385 | .02240 | .09880 |
| #2 | .00641 | .00613 | 2.2249 | .01057 | .03386 | .02244 | .08484 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02333 | 2.0795 | .04132 | .01094 | 1.8784 | .04182 | .04475 |
| Stddev | .00033 | .0206  | .00019 | .00118 | .0093  | .00037 | .00009 |
| %RSD   | 1.4010 | .99026 | .45400 | 10.813 | .49314 | .87443 | .20597 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02356 | 2.0941 | .04145 | .01011 | 1.8850 | .04208 | .04469 |
| #2 | .02309 | 2.0650 | .04118 | .01178 | 1.8719 | .04156 | .04482 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 1.9300 | .20140 | .09453 | F -.12122 | .39318 | .03896 | .04641 |
| Stddev | .0248  | .00023 | .00027 | .00037    | .00666 | .00023 | .00034 |
| %RSD   | 1.2839 | .11358 | .28897 | .30833    | 1.6947 | .58851 | .74042 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.9125 | .20156 | .09472 | -.12095 | .39789 | .03879 | .04665 |
| #2 | 1.9476 | .20124 | .09433 | -.12148 | .38846 | .03912 | .04616 |

Sample Name: LLCCV01      Acquired: 11/30/2018 12:32:41      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |          |          |
|--------|--------|---------|--------|----------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      |
| Avg    | .01804 | F .0137 | .02270 | F 4.1602 | F<.00000 |
| Stddev | .00065 | .0008   | .00028 | .0543    | .17359   |
| %RSD   | 3.6279 | 5.617   | 1.2430 | 1.3052   | 428.58   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .01758 | .0131 | .02250 | 4.1986 | -.16325 |
| #2 | .01850 | .0142 | .02290 | 4.1218 | .08224  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3956.1 | 53051. | 3807.1 | 74.864 | 4333.3 |
| Stddev    | 5.5    | 297.   | 21.2   | .084   | 6.6    |
| %RSD      | .13913 | .56046 | .55694 | .11163 | .15230 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3952.2 | 52841. | 3792.1 | 74.805 | 4328.7 |
| #2 | 3960.0 | 53261. | 3822.1 | 74.923 | 4338.0 |

Sample Name: CCB01      Acquired: 11/30/2018 12:36:45      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00294 | -.00006 | -.00083 | .00251 | -.00185 | .00884 | .00363 |
| Stddev | .00231 | .00042  | .00008  | .00113 | .00157  | .00269 | .00047 |
| %RSD   | 78.447 | 716.16  | 9.8908  | 45.205 | 84.913  | 30.367 | 12.986 |

|    |        |         |         |        |         |        |        |
|----|--------|---------|---------|--------|---------|--------|--------|
| #1 | .00458 | .00024  | -.00077 | .00331 | -.00295 | .00694 | .00329 |
| #2 | .00131 | -.00035 | -.00089 | .00171 | -.00074 | .01074 | .00396 |

|        |        |         |        |         |        |         |         |
|--------|--------|---------|--------|---------|--------|---------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00005 | -.00003 | .01683 | -.00026 | .00005 | -.00004 | -.01225 |
| Stddev | .00002 | .00009  | .01026 | .00005  | .00003 | .00054  | .00342  |
| %RSD   | 36.928 | 343.35  | 60.986 | 20.974  | 74.623 | 1377.6  | 27.890  |

|    |        |         |        |         |        |         |         |
|----|--------|---------|--------|---------|--------|---------|---------|
| #1 | .00007 | -.00009 | .02408 | -.00022 | .00007 | .00034  | -.01466 |
| #2 | .00004 | .00004  | .00957 | -.00029 | .00002 | -.00042 | -.00983 |

|        |        |         |         |        |         |        |         |
|--------|--------|---------|---------|--------|---------|--------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00011 | -.04740 | -.00044 | .00003 | -.16284 | .00003 | -.00133 |
| Stddev | .00002 | .01110  | .00036  | .00024 | .00787  | .00024 | .00022  |
| %RSD   | 18.439 | 23.406  | 81.863  | 815.61 | 4.8309  | 953.16 | 16.723  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00009 | -.05525 | -.00070 | -.00014 | -.16840 | -.00014 | -.00149 |
| #2 | .00012 | -.03956 | -.00019 | .00020  | -.15728 | .00020  | -.00118 |

|        |         |         |         |           |        |         |        |
|--------|---------|---------|---------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.02539 | -.00001 | -.00789 | F -.13707 | .00521 | -.00166 | .00575 |
| Stddev | .03618  | .00010  | .00478  | .00189    | .00114 | .00084  | .00035 |
| %RSD   | 142.52  | 1248.4  | 60.672  | 1.3798    | 21.841 | 50.787  | 6.1663 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | .00020  | -.00008 | -.01127 | -.13841 | .00602 | -.00226 | .00600 |
| #2 | -.05097 | .00006  | -.00450 | -.13573 | .00441 | -.00106 | .00550 |



Sample Name: CCB01      Acquired: 11/30/2018 12:36:45      Type: Unk  
 Method: P4-ICP2(v2618)      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    | -.00477 | -.0053 | .00005 | F 4.0823 | F<.00000 |
| Stddev | .00112  | .0002  | .00007 | .0089    | .07891   |
| %RSD   | 23.546  | 3.037  | 139.87 | .21669   | 76.389   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.00397 | -.0054 | .00000 | 4.0885 | -.04750 |
| #2 | -.00556 | -.0052 | .00010 | 4.0760 | -.15909 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3939.5 | 53008. | 3779.9 | 74.726 | 4350.9 |
| Stddev    | 26.2   | 150.   | 3.3    | .387   | 28.1   |
| %RSD      | .66378 | .28274 | .08818 | .51829 | .64590 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3921.0 | 52902. | 3777.5 | 75.000 | 4331.0 |
| #2 | 3958.0 | 53114. | 3782.3 | 74.452 | 4370.7 |

Sample Name: LR CHECK 1      Acquired: 11/30/2018 12:40:51      Type: Unk  
Method: P4-ICP2(v2618)      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    | -.04766 | -.07484 | -.11585 | -.27343 | .06182 | F 2042.8 | .01562 | .00445 |
| Stddev | .01310  | .00090  | .00154  | .02536  | .00634 | 3.3      | .00020 | .00030 |
| %RSD   | 27.494  | 1.2059  | 1.3287  | 9.2747  | 10.259 | .15948   | 1.2500 | 6.7708 |

|    |         |         |         |         |        |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|--------|
| #1 | -.03839 | -.07421 | -.11694 | -.25550 | .06630 | 2045.1 | .01576 | .00467 |
| #2 | -.05693 | -.07548 | -.11476 | -.29137 | .05733 | 2040.5 | .01548 | .00424 |

|        |        |          |        |        |         |        |        |          |
|--------|--------|----------|--------|--------|---------|--------|--------|----------|
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .02307 | F 1882.5 | .13136 | .04615 | -.06082 | 836.17 | .04090 | F 1812.1 |
| Stddev | .00075 | 3.7      | .00218 | .00049 | .00239  | 1.63   | .00043 | 10.6     |
| %RSD   | 3.2349 | .19670   | 1.6624 | 1.0582 | 3.9323  | .19475 | 1.0526 | .58245   |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .02360 | 1879.9 | .12982 | .04649 | -.06252 | 835.02 | .04060 | 1819.5 |
| #2 | .02254 | 1885.1 | .13291 | .04580 | -.05913 | 837.32 | .04121 | 1804.6 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .11657 | -.04339 | 1715.5 | .00617 | .10583 | 906.32 | .03039 | -.34696 |
| Stddev | .00188 | .00066  | 4.7    | .00024 | .00040 | 7.69   | .00006 | .00494  |
| %RSD   | 1.6148 | 1.5290  | .27573 | 3.9535 | .38024 | .84821 | .19685 | 1.4251  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .11523 | -.04292 | 1712.2 | .00634 | .10555 | 911.75 | .03035 | -.34347 |
| #2 | .11790 | -.04386 | 1718.8 | .00600 | .10612 | 900.88 | .03043 | -.35046 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .30331 | .07265 | .04183 | -.05463 | .08383 | .0565  | -.89744 | 5.5527 |
| Stddev | .00186 | .00108 | .00447 | .00159  | .00136 | .0032  | .00162  | .0729  |
| %RSD   | .61202 | 1.4798 | 10.685 | 2.9178  | 1.6214 | 5.650  | .18085  | 1.3122 |

|    |        |        |        |         |        |       |         |        |
|----|--------|--------|--------|---------|--------|-------|---------|--------|
| #1 | .30462 | .07341 | .04499 | -.05350 | .08479 | .0588 | -.89629 | 5.6042 |
| #2 | .30199 | .07188 | .03867 | -.05575 | .08287 | .0543 | -.89859 | 5.5012 |

Sample Name: LR CHECK 1      Acquired: 11/30/2018 12:40:51      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      ^ \*\*\*\*\*  
Stddev      ----  
%RSD      ----

#1      ^ ----  
#2      ^ ----

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2637.1 | 35213. | 3246.2 | 54.036 | 2139.7 |
| Stddev    | 1.4    | 20.    | 22.9   | .089   | 3.4    |
| %RSD      | .05322 | .05561 | .70651 | .16482 | .16119 |
| #1        | 2636.1 | 35227. | 3230.0 | 54.099 | 2137.3 |
| #2        | 2638.1 | 35199. | 3262.4 | 53.973 | 2142.2 |

Sample Name: LR CHECK 2      Acquired: 11/30/2018 13:02:39      Type: Unk  
Method: P4-ICP2(v2618)      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    | -.00342  | -.01983 | F 265.57 | .00224  | -.03639  | 88.942 | F 103.12 | -.00051 |
| Stddev | .00565   | .00087  | .65      | .00111  | .00027   | .444   | .29      | .00001  |
| %RSD   | 165.40   | 4.3832  | .24398   | 49.509  | .75027   | .49872 | .27909   | 2.4932  |
| #1     | -.00742  | -.02045 | 266.03   | .00302  | -.03658  | 89.256 | 103.32   | -.00051 |
| #2     | .00058   | -.01922 | 265.12   | .00145  | -.03620  | 88.629 | 102.91   | -.00052 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247   | Fe2404 | Mn2576   | Mg2790  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm      | ppm    | ppm      | ppm     |
| Avg    | -.00959  | 107.34  | -.13239  | -.00933 | F 253.22 | 50.799 | F 45.405 | 100.29  |
| Stddev | .00010   | .24     | .00034   | .00049  | .64      | .958   | .298     | .01     |
| %RSD   | 1.0329   | .22774  | .25988   | 5.2676  | .25236   | 1.8858 | .65628   | .00864  |
| #1     | -.00952  | 107.16  | -.13214  | -.00967 | 253.67   | 50.121 | 45.615   | 100.29  |
| #2     | -.00966  | 107.51  | -.13263  | -.00898 | 252.76   | 51.476 | 45.194   | 100.30  |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138   | K_7664 | Mo2020   | B_2496  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm      | ppm    | ppm      | ppm     |
| Avg    | F 50.823 | .00812  | 111.80   | -.00168 | F 38.392 | 45.127 | -.00198  | -.03325 |
| Stddev | .105     | .00042  | .16      | .00006  | .924     | .027   | .00068   | .01766  |
| %RSD   | .20613   | 5.1110  | .14040   | 3.7562  | 2.4056   | .05877 | 34.259   | 53.096  |
| #1     | 50.897   | .00783  | 111.69   | -.00172 | 37.739   | 45.108 | -.00150  | -.04574 |
| #2     | 50.749   | .00842  | 111.91   | -.00163 | 39.045   | 45.146 | -.00246  | -.02077 |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707   | P_1774 | Sr4077   | U_3670  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm      | ppm    | ppm      | ppm     |
| Avg    | .21801   | .02327  | .00174   | .02703  | .00223   | -.2487 | -.05222  | 5.9229  |
| Stddev | .00100   | .00393  | .00221   | .00155  | .00084   | .0031  | .00108   | .0547   |
| %RSD   | .45963   | 16.881  | 126.96   | 5.7164  | 37.791   | 1.235  | 2.0776   | .92313  |
| #1     | .21730   | .02050  | .00331   | .02812  | .00283   | -.2508 | -.05145  | 5.8842  |
| #2     | .21871   | .02605  | .00018   | .02594  | .00163   | -.2465 | -.05299  | 5.9615  |

Sample Name: LR CHECK 2      Acquired: 11/30/2018 13:02:39      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      9.6151  
Stddev      .3554  
%RSD      3.6966

#1      9.8665  
#2      9.3638

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3348.1 | 46933. | 3619.7 | 64.372 | 3281.3 |
| Stddev    | 7.8    | 81.    | 18.5   | 1.507  | 10.2   |
| %RSD      | .23234 | .17242 | .51166 | 2.3411 | .31098 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3342.6 | 46875. | 3632.8 | 65.438 | 3274.1 |
| #2 | 3353.6 | 46990. | 3606.6 | 63.307 | 3288.5 |

Sample Name: J5767-17      Acquired: 11/30/2018 13:07:13      Type: Unk  
Method: P4-ICP2(v2618)      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    | .01985 | -.01106 | .76689 | -.04423 | .00558 | 156.57 | .67333 |
| Stddev | .00194 | .00047  | .00413 | .00407  | .00058 | .74    | .00306 |
| %RSD   | 9.7854 | 4.2415  | .53824 | 9.2134  | 10.314 | .47307 | .45396 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01848 | -.01139 | .76981 | -.04135 | .00599 | 156.05 | .67549 |
| #2 | .02122 | -.01073 | .76397 | -.04711 | .00517 | 157.10 | .67117 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00636 | -.00101 | 125.99 | .33089 | .15877 | .45670 | 307.43 |
| Stddev | .00008 | .00051  | .38    | .00156 | .00035 | .00049 | 2.75   |
| %RSD   | 1.3222 | 50.734  | .30160 | .47215 | .21972 | .10837 | .89477 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00630 | -.00137 | 125.72 | .32979 | .15852 | .45635 | 309.37 |
| #2 | .00641 | -.00065 | 126.26 | .33200 | .15901 | .45705 | 305.48 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.7149 | 72.287 | .34282 | -.00162 | 6.3587 | .37663 | .97361 |
| Stddev | .0032  | .225   | .00014 | .00059  | .0060  | .00029 | .01164 |
| %RSD   | .08647 | .31148 | .04152 | 36.429  | .09483 | .07735 | 1.1955 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.7126 | 72.446 | .34272 | -.00120 | 6.3630 | .37643 | .98184 |
| #2 | 3.7172 | 72.128 | .34292 | -.00203 | 6.3545 | .37684 | .96538 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | 15.718 | .00963 | -.00934 | F 10.082 | 3.3503 | .02706 | 4.1915 |
| Stddev | .089   | .00050 | .00376  | .006     | .0319  | .00106 | .0129  |
| %RSD   | .56317 | 5.1413 | 40.233  | .05609   | .95060 | 3.9066 | .30746 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 15.655 | .00998 | -.01200 | 10.086 | 3.3278 | .02631 | 4.1824 |
| #2 | 15.780 | .00928 | -.00668 | 10.078 | 3.3728 | .02781 | 4.2006 |

Sample Name: J5767-17      Acquired: 11/30/2018 13:07:13      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .15238 | 9.206  | .11264 | 2.5434 | F<.00000 |
| Stddev | .00012 | .002   | .00196 | .0428  | .45084   |
| %RSD   | .07554 | .0170  | 1.7426 | 1.6840 | .46444   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .15246 | 9.207 | .11125 | 2.5737 | -96.755 |
| #2 | .15229 | 9.205 | .11403 | 2.5131 | -97.392 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4174.4 | 56109. | 4336.7 | 66.892 | 3476.8 |
| Stddev    | 2.5    | 37.    | 11.9   | .802   | 5.0    |
| %RSD      | .06101 | .06593 | .27426 | 1.1997 | .14302 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4172.6 | 56135. | 4328.3 | 66.325 | 3473.3 |
| #2 | 4176.2 | 56083. | 4345.2 | 67.459 | 3480.3 |

Sample Name: J5767-19      Acquired: 11/30/2018 13:11:10      Type: Unk  
Method: P4-ICP2(v2618)      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    | .02228 | -.01260 | .83425 | -.03748 | .00603 | 156.00 | .84797 |
| Stddev | .00170 | .00243  | .00085 | .00030  | .00135 | .89    | .00095 |
| %RSD   | 7.6391 | 19.261  | .10175 | .79170  | 22.455 | .56758 | .11203 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02108 | -.01089 | .83365 | -.03727 | .00507 | 155.37 | .84864 |
| #2 | .02349 | -.01432 | .83485 | -.03769 | .00698 | 156.63 | .84730 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00603 | .00005 | 89.643 | .34989 | .16638 | .60565 | 293.88 |
| Stddev | .00001 | .00042 | .107   | .00265 | .00054 | .00060 | 3.29   |
| %RSD   | .21520 | 899.15 | .11972 | .75662 | .32353 | .09874 | 1.1184 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00602 | -.00025 | 89.719 | .34802 | .16600 | .60523 | 296.21 |
| #2 | .00604 | .00034  | 89.567 | .35176 | .16676 | .60608 | 291.56 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.9055 | 60.140 | .36668 | .00010 | 9.4207 | .37812 | 1.0311 |
| Stddev | .0222  | .181   | .00327 | .00078 | .0098  | .00046 | .0176  |
| %RSD   | .28141 | .30142 | .89260 | 786.06 | .10404 | .12270 | 1.7122 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.9213 | 60.268 | .36437 | .00065  | 9.4276 | .37779 | 1.0436 |
| #2 | 7.8898 | 60.012 | .36900 | -.00045 | 9.4138 | .37844 | 1.0186 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 17.067 | .01080 | .07557 | F 10.444 | 2.3178 | .02393 | 4.6886 |
| Stddev | .018   | .00017 | .00784 | .064     | .0089  | .00082 | .0028  |
| %RSD   | .10584 | 1.5943 | 10.381 | .61354   | .38544 | 3.4268 | .06001 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.054 | .01092 | .08112 | 10.399 | 2.3241 | .02451 | 4.6906 |
| #2 | 17.080 | .01068 | .07002 | 10.489 | 2.3115 | .02335 | 4.6866 |



Sample Name: J5767-19      Acquired: 11/30/2018 13:11:10      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .17468 | F 10.75 | .03399 | 2.0249 | F<.00000 |
| Stddev | .00214 | .02     | .00285 | .0474  | 1.1057   |
| %RSD   | 1.2255 | .2088   | 8.3761 | 2.3382 | 1.1094   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .17316 | 10.74 | .03197 | 2.0584 | -98.886 |
| #2 | .17619 | 10.77 | .03600 | 1.9914 | -100.45 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4344.3 | 58227. | 4457.1 | 68.681 | 3544.0 |
| Stddev    | 13.2   | 33.    | 27.3   | 1.117  | 6.3    |
| %RSD      | .30433 | .05618 | .61240 | 1.6262 | .17732 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4334.9 | 58250. | 4437.8 | 67.891 | 3548.5 |
| #2 | 4353.6 | 58204. | 4476.4 | 69.470 | 3539.6 |

Sample Name: J5767-21      Acquired: 11/30/2018 13:15:11      Type: Unk  
Method: P4-ICP2(v2618)      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    | .02068 | -.01096 | .56391 | -.03655 | .00575 | 132.84 | .67093 |
| Stddev | .00413 | .00045  | .00081 | .00219  | .00150 | .08    | .00160 |
| %RSD   | 19.957 | 4.1051  | .14436 | 5.9813  | 26.189 | .05967 | .23906 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01776 | -.01064 | .56448 | -.03809 | .00468 | 132.89 | .66980 |
| #2 | .02359 | -.01127 | .56333 | -.03500 | .00681 | 132.78 | .67206 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00574 | -.00140 | 370.28 | .24072 | .11291 | .42198 | 264.65 |
| Stddev | .00008 | .00047  | 1.58   | .00104 | .00012 | .00346 | 3.61   |
| %RSD   | 1.3913 | 33.811  | .42614 | .43163 | .10210 | .81948 | 1.3641 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00579 | -.00107 | 369.17 | .24145 | .11299 | .42443 | 262.10 |
| #2 | .00568 | -.00174 | 371.40 | .23998 | .11283 | .41954 | 267.21 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.1610 | 185.23 | .20329 | -.00122 | 6.5544 | .35478 | .92177 |
| Stddev | .0098  | .12    | .00068 | .00079  | .0033  | .00049 | .01297 |
| %RSD   | .23524 | .06420 | .33572 | 64.821  | .05095 | .13944 | 1.4071 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.1679 | 185.14 | .20281 | -.00178 | 6.5567 | .35443 | .91260 |
| #2 | 4.1541 | 185.31 | .20377 | -.00066 | 6.5520 | .35513 | .93094 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.935 | .02990 | .00036 | 6.7200 | 2.0892 | .03279 | 3.9142 |
| Stddev | .024   | .00002 | .00111 | .0016  | .0100  | .00154 | .0143  |
| %RSD   | .15886 | .07073 | 306.04 | .02424 | .48047 | 4.6860 | .36517 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 14.919 | .02988 | .00115  | 6.7212 | 2.0963 | .03171 | 3.9041 |
| #2 | 14.952 | .02991 | -.00042 | 6.7189 | 2.0821 | .03388 | 3.9243 |

Sample Name: J5767-21      Acquired: 11/30/2018 13:15:11      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .15537 | F 10.22 | .22944 | 3.7372 | F<.00000 |
| Stddev | .00181 | .06     | .00096 | .0293  | .03045   |
| %RSD   | 1.1618 | .5669   | .41675 | .78427 | .04451   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .15409 | 10.17 | .23012 | 3.7579 | -68.399 |
| #2 | .15665 | 10.26 | .22876 | 3.7164 | -68.442 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3927.6 | 53050. | 4135.9 | 62.418 | 3293.0 |
| Stddev    | 1.9    | 88.    | 7.2    | .847   | 12.8   |
| %RSD      | .04876 | .16587 | .17306 | 1.3568 | .38722 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3926.3 | 52988. | 4140.9 | 63.017 | 3302.0 |
| #2 | 3929.0 | 53112. | 4130.8 | 61.819 | 3284.0 |

Sample Name: CCV02      Acquired: 11/30/2018 13:53:01      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.3686 | 4.9157 | 5.0327 | 5.0764 | 5.3816 | 10.488 | 10.409 | .25826   |
| Stddev | .0110  | .0081  | .0026  | .0147  | .0099  | .104   | .007   | .00101   |
| %RSD   | .20493 | .16388 | .05149 | .28962 | .18381 | .99434 | .06509 | .39152   |
| #1     | 5.3764 | 4.9214 | 5.0345 | 5.0868 | 5.3886 | 10.414 | 10.414 | .25755   |
| #2     | 5.3608 | 4.9100 | 5.0309 | 5.0660 | 5.3746 | 10.562 | 10.404 | .25898   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5010 | 26.716 | 1.0465 | 2.5747 | 1.2821 | 4.8018 | 2.6101 | 24.241   |
| Stddev | .0003  | .190   | .0033  | .0013  | .0000  | .0744  | .0112  | .073     |
| %RSD   | .01221 | .70971 | .31626 | .04913 | .00350 | 1.5495 | .42767 | .29987   |
| #1     | 2.5013 | 26.850 | 1.0442 | 2.5738 | 1.2822 | 4.7492 | 2.6022 | 24.292   |
| #2     | 2.5008 | 26.582 | 1.0489 | 2.5756 | 1.2821 | 4.8544 | 2.6180 | 24.189   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4348 | 1.2205 | 24.675 | 2.3577 | 2.7204 | 23.643 | 4.8819 | 4.8960   |
| Stddev | .0033  | .0082  | .065   | .0050  | .0294  | .023   | .0120  | .0166    |
| %RSD   | .13713 | .67170 | .26391 | .21404 | 1.0814 | .09552 | .24510 | .33925   |
| #1     | 2.4325 | 1.2147 | 24.629 | 2.3541 | 2.6996 | 23.627 | 4.8904 | 4.9078   |
| #2     | 2.4372 | 1.2263 | 24.721 | 2.3612 | 2.7412 | 23.659 | 4.8734 | 4.8843   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.6467 | 4.7670 | 4.6610 | 5.0012 | 5.1442 | 4.906  | 5.4864 | F 5.9114 |
| Stddev | .0037  | .0029  | .0031  | .0089  | .0036  | .010   | .0022  | .0107    |
| %RSD   | .07988 | .05994 | .06667 | .17866 | .07013 | .2023  | .04077 | .18115   |
| #1     | 4.6493 | 4.7690 | 4.6632 | 5.0075 | 5.1468 | 4.913  | 5.4880 | 5.9190   |
| #2     | 4.6441 | 4.7649 | 4.6588 | 4.9949 | 5.1417 | 4.899  | 5.4849 | 5.9038   |

Sample Name: CCV02      Acquired: 11/30/2018 13:53:01      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 2.8428  
 Stddev      .9462  
 %RSD      33.284

#1      2.1738  
 #2      3.5119

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3679.5 | 48716. | 3588.0 | 67.599 | 3738.2 |
| Stddev    | 16.1   | 154.   | 5.6    | .501   | 10.9   |
| %RSD      | .43643 | .31516 | .15663 | .74096 | .29040 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3668.2 | 48824. | 3584.1 | 67.953 | 3730.6 |
| #2 | 3690.9 | 48607. | 3592.0 | 67.244 | 3745.9 |

Sample Name: CCB02      Acquired: 11/30/2018 14:33:26      Type: Unk  
Method: P4-ICP2(v2618)      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    | -.00027 | .00082 | .00598 | .00155 | -.00228 | -.01150 | .00467 |
| Stddev | .00081  | .00046 | .00120 | .00169 | .00024  | .00875  | .00064 |
| %RSD   | 302.70  | 55.489 | 20.069 | 109.34 | 10.591  | 76.093  | 13.776 |

|    |         |        |        |        |         |         |        |
|----|---------|--------|--------|--------|---------|---------|--------|
| #1 | -.00084 | .00115 | .00683 | .00035 | -.00245 | -.01768 | .00513 |
| #2 | .00030  | .00050 | .00513 | .00274 | -.00211 | -.00531 | .00422 |

|        |        |        |         |         |         |        |        |
|--------|--------|--------|---------|---------|---------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00000 | .00004 | -.00345 | -.00024 | -.00012 | .00051 | .00627 |
| Stddev | .00003 | .00005 | .01431  | .00018  | .00003  | .00024 | .00397 |
| %RSD   | 3805.6 | 149.71 | 414.60  | 73.882  | 29.433  | 47.352 | 63.323 |

|    |         |         |         |         |         |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|
| #1 | .00002  | -.00000 | .00667  | -.00011 | -.00014 | .00034 | .00908 |
| #2 | -.00002 | .00007  | -.01357 | -.00036 | -.00009 | .00067 | .00346 |

|        |        |         |         |        |         |         |         |
|--------|--------|---------|---------|--------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00011 | -.01956 | -.00086 | .00002 | -.16406 | -.00031 | -.00084 |
| Stddev | .00005 | .00670  | .00015  | .00048 | .01061  | .00040  | .00004  |
| %RSD   | 46.751 | 34.252  | 17.401  | 2789.5 | 6.4676  | 128.94  | 4.5145  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00008 | -.02430 | -.00097 | .00036  | -.15655 | -.00059 | -.00087 |
| #2 | .00015 | -.01482 | -.00075 | -.00032 | -.17156 | -.00003 | -.00081 |

|        |        |         |         |           |        |         |        |
|--------|--------|---------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .02684 | -.00012 | -.01498 | F -.14778 | .00510 | -.00159 | .00648 |
| Stddev | .01526 | .00005  | .00422  | .00115    | .00112 | .00052  | .00311 |
| %RSD   | 56.861 | 36.380  | 28.176  | .77732    | 21.866 | 33.040  | 48.096 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .03764 | -.00009 | -.01200 | -.14697 | .00431 | -.00122 | .00868 |
| #2 | .01605 | -.00016 | -.01796 | -.14860 | .00589 | -.00196 | .00427 |

Sample Name: CCB02      Acquired: 11/30/2018 14:33:26      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00512 | -0.0048 | -0.00011 | F 4.9821 | F .14854 |
| Stddev | .00165   | .0001   | .00006   | .0473    | .30865   |
| %RSD   | 32.238   | 2.836   | 56.340   | .94997   | 207.79   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00395 | -0.0047 | -0.00015 | 5.0156 | .36679  |
| #2 | -0.00629 | -0.0049 | -0.00007 | 4.9486 | -.06971 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3845.9 | 51836. | 3653.0 | 71.469 | 4314.3 |
| Stddev    | 13.3   | 174.   | 15.2   | .108   | 12.2   |
| %RSD      | .34702 | .33531 | .41503 | .15066 | .28361 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3836.4 | 51714. | 3642.2 | 71.393 | 4305.7 |
| #2 | 3855.3 | 51959. | 3663.7 | 71.545 | 4323.0 |

Sample Name: J5768-07      Acquired: 11/30/2018 14:42:19      Type: Unk  
Method: P4-ICP2(v2618)      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    | .01497 | -.00948 | .14868 | -.03848 | .00574 | 139.56 | .49612 |
| Stddev | .00011 | .00137  | .00563 | .00257  | .00274 | .50    | .00237 |
| %RSD   | .76567 | 14.455  | 3.7868 | 6.6903  | 47.697 | .35610 | .47812 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01505 | -.00851 | .14470 | -.03666 | .00380 | 139.21 | .49780 |
| #2 | .01489 | -.01045 | .15266 | -.04030 | .00767 | 139.91 | .49444 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00536 | -.00277 | 46.558 | .16920 | .12611 | .23883 | 268.32 |
| Stddev | .00000 | .00102  | .077   | .00238 | .00202 | .00392 | 2.89   |
| %RSD   | .08601 | 36.674  | .16466 | 1.4040 | 1.6025 | 1.6425 | 1.0788 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00536 | -.00349 | 46.504 | .16752 | .12468 | .23605 | 270.37 |
| #2 | .00535 | -.00206 | 46.612 | .17088 | .12754 | .24160 | 266.28 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.0384 | 39.518 | .16309 | -.00061 | 6.3441 | .48696 | .55288 |
| Stddev | .0074  | .052   | .00256 | .00077  | .0276  | .00068 | .00260 |
| %RSD   | .18350 | .13216 | 1.5697 | 126.85  | .43461 | .14045 | .47105 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.0332 | 39.555 | .16128 | -.00006 | 6.3636 | .48744 | .55473 |
| #2 | 4.0436 | 39.482 | .16490 | -.00116 | 6.3246 | .48647 | .55104 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.1112 | .00292 | -.01316 | 2.2942 | 2.0934 | .01177 | 3.6172 |
| Stddev | .0157  | .00061 | .00212  | .0442  | .0050  | .00032 | .0083  |
| %RSD   | .25739 | 20.875 | 16.109  | 1.9275 | .23756 | 2.7458 | .23093 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 6.1223 | .00249 | -.01166 | 2.2629 | 2.0969 | .01154 | 3.6113 |
| #2 | 6.1000 | .00335 | -.01466 | 2.3254 | 2.0898 | .01200 | 3.6231 |



Sample Name: J5768-07      Acquired: 11/30/2018 14:42:19      Type: Unk  
Method: P4-ICP2(v2618)      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    | .10464 | 5.894  | -.14778 | 2.9629 | F<.00000 |
| Stddev | .00086 | .099   | .00373  | .0615  | .10814   |
| %RSD   | .82259 | 1.678  | 2.5233  | 2.0755 | .12643   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .10404 | 5.824 | -.15042 | 3.0064 | -85.608 |
| #2 | .10525 | 5.964 | -.14515 | 2.9194 | -85.455 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4217.0 | 56834. | 4304.5 | 67.649 | 3639.8 |
| Stddev    | 39.7   | 67.    | 20.4   | .721   | 45.1   |
| %RSD      | .94125 | .11798 | .47291 | 1.0665 | 1.2392 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4245.0 | 56881. | 4290.1 | 67.139 | 3671.7 |
| #2 | 4188.9 | 56787. | 4318.9 | 68.159 | 3607.9 |

Sample Name: J6145-01      Acquired: 11/30/2018 15:02:32      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00278   | -.00255  | .00478  | -.00022 | -.00478 | -.07955 | .17478 | .00013 |
| Stddev | .00393   | .00149   | .00038  | .00148  | .00011  | .00976  | .00103 | .00003 |
| %RSD   | 141.28   | 58.372   | 7.9850  | 667.54  | 2.1997  | 12.268  | .59178 | 22.166 |
| #1     | .00000   | -.00150  | .00505  | .00082  | -.00486 | -.08645 | .17405 | .00011 |
| #2     | .00556   | -.00360  | .00451  | -.00127 | -.00471 | -.07265 | .17551 | .00015 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00020  | 218.71   | -.00042 | -.00043 | .00006  | -.08107 | .00033 | 77.565 |
| Stddev | .00004   | 2.49     | .00000  | .00040  | .00004  | .01574  | .00010 | .282   |
| %RSD   | 20.797   | 1.1401   | .13277  | 93.841  | 61.989  | 19.419  | 30.424 | .36370 |
| #1     | -.00017  | 216.95   | -.00042 | -.00072 | .00008  | -.09221 | .00040 | 77.764 |
| #2     | -.00023  | 220.47   | -.00042 | -.00015 | .00003  | -.06994 | .00026 | 77.365 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00344  | -.00029  | 930.54  | .00094  | .04370  | 31.726  | .02155 | .35175 |
| Stddev | .00022   | .00021   | 3.65    | .00024  | .00079  | .254    | .00002 | .00389 |
| %RSD   | 6.4678   | 74.074   | .39216  | 25.566  | 1.7981  | .79982  | .09561 | 1.1053 |
| #1     | -.00360  | -.00014  | 927.96  | .00077  | .04315  | 31.547  | .02156 | .35450 |
| #2     | -.00328  | -.00044  | 933.12  | .00111  | .04426  | 31.906  | .02153 | .34900 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 97.636 | F 15.319 | -.03540 | -.00096 | .02732  | .0484   | 1.3787 | 6.9646 |
| Stddev | .153     | .130     | .00085  | .00255  | .00133  | .0032   | .0124  | .0139  |
| %RSD   | .15704   | .84601   | 2.3907  | 266.41  | 4.8632  | 6.692   | .90177 | .19977 |
| #1     | 97.745   | 15.228   | -.03600 | .00084  | .02639  | .0461   | 1.3699 | 6.9744 |
| #2     | 97.528   | 15.411   | -.03480 | -.00276 | .02826  | .0507   | 1.3875 | 6.9548 |

Sample Name: J6145-01      Acquired: 11/30/2018 15:02:32      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.5258 |
| Stddev | .0049  |
| %RSD   | .10785 |

|    |        |
|----|--------|
| #1 | 4.5292 |
| #2 | 4.5223 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3365.4 | 44160. | 3609.2 | 68.894 | 3340.5 |
| Stddev    | 1.4    | 116.   | 29.5   | 1.136  | 8.2    |
| %RSD      | .04163 | .26213 | .81757 | 1.6486 | .24667 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3364.5 | 44078. | 3630.1 | 69.697 | 3334.7 |
| #2 | 3366.4 | 44242. | 3588.3 | 68.091 | 3346.3 |

Sample Name: J6145-01DUP      Acquired: 11/30/2018 15:10:43      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00080 | -.00158 | .00425 | .00193 | -.00388 | -.08637 | .17257 | .00003 |
| Stddev | .00376 | .00072  | .00053 | .00457 | .00142  | .00997  | .00130 | .00005 |
| %RSD   | 471.22 | 45.901  | 12.451 | 236.61 | 36.644  | 11.548  | .75130 | 167.65 |

|    |         |         |        |         |         |         |        |         |
|----|---------|---------|--------|---------|---------|---------|--------|---------|
| #1 | .00346  | -.00107 | .00463 | -.00130 | -.00288 | -.07932 | .17166 | .00007  |
| #2 | -.00186 | -.00209 | .00388 | .00516  | -.00489 | -.09342 | .17349 | -.00001 |

|        |         |        |         |         |         |         |        |        |
|--------|---------|--------|---------|---------|---------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00013 | 216.69 | -.00017 | -.00050 | -.00058 | -.06176 | .00043 | 76.085 |
| Stddev | .00003  | 1.07   | .00061  | .00001  | .00000  | .00249  | .00005 | .108   |
| %RSD   | 18.819  | .49457 | 357.92  | 1.4328  | .51692  | 4.0257  | 10.644 | .14217 |

|    |         |        |         |         |         |         |        |        |
|----|---------|--------|---------|---------|---------|---------|--------|--------|
| #1 | -.00015 | 215.94 | .00026  | -.00049 | -.00058 | -.06000 | .00046 | 76.162 |
| #2 | -.00012 | 217.45 | -.00060 | -.00050 | -.00058 | -.06352 | .00040 | 76.009 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00251 | -.00024 | 878.46 | .00090 | .04303 | 32.024 | .02136 | .35593 |
| Stddev | .00008  | .00005  | 10.19  | .00013 | .00024 | .119   | .00001 | .00531 |
| %RSD   | 3.2462  | 20.038  | 1.1604 | 14.579 | .55758 | .37203 | .03077 | 1.4928 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00245 | -.00028 | 885.67 | .00081 | .04320 | 31.940 | .02135 | .35969 |
| #2 | -.00257 | -.00021 | 871.25 | .00099 | .04286 | 32.109 | .02136 | .35218 |

|        |          |          |         |         |        |        |        |        |
|--------|----------|----------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 97.136 | F 15.191 | -.03613 | -.00285 | .02686 | .0473  | 1.3698 | 6.5989 |
| Stddev | 1.751    | .053     | .00056  | .00059  | .00145 | .0013  | .0044  | .0238  |
| %RSD   | 1.8031   | .34741   | 1.5437  | 20.795  | 5.3874 | 2.764  | .32248 | .36127 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 95.897 | 15.228 | -.03573 | -.00327 | .02583 | .0463 | 1.3667 | 6.5820 |
| #2 | 98.374 | 15.154 | -.03652 | -.00243 | .02788 | .0482 | 1.3730 | 6.6157 |

Sample Name: J6145-01DUP      Acquired: 11/30/2018 15:10:43      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.4558 |
| Stddev | .1591  |
| %RSD   | 3.5714 |

|    |        |
|----|--------|
| #1 | 4.3433 |
| #2 | 4.5684 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3482.2 | 45503. | 3742.0 | 70.753 | 3443.8 |
| Stddev    | 32.9   | 77.    | 5.5    | .352   | 48.6   |
| %RSD      | .94617 | .16891 | .14786 | .49811 | 1.4119 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3505.5 | 45557. | 3745.9 | 70.504 | 3478.1 |
| #2 | 3458.9 | 45449. | 3738.1 | 71.002 | 3409.4 |

Sample Name: J6145-01LX5      Acquired: 11/30/2018 15:14:49      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00195 | -.00132 | .00163 | .00091 | -.00184 | -.02024 | .04048 | .00005 |
| Stddev | .00178 | .00094  | .00068 | .00071 | .00080  | .00590  | .00226 | .00005 |
| %RSD   | 91.009 | 71.431  | 41.964 | 77.959 | 43.652  | 29.162  | 5.5921 | 100.31 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00070 | -.00198 | .00211 | .00141 | -.00127 | -.02441 | .03888 | .00009 |
| #2 | .00321 | -.00065 | .00115 | .00041 | -.00241 | -.01607 | .04208 | .00001 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00006 | 47.856 | -.00051 | -.00024 | .00016 | -.01555 | .00013 | 16.645 |
| Stddev | .00003  | .191   | .00020  | .00011  | .00016 | .00037  | .00004 | .020   |
| %RSD   | 47.453  | .39941 | 40.009  | 43.515  | 105.12 | 2.3532  | 29.972 | .12010 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00004 | 47.721 | -.00065 | -.00017 | .00004 | -.01529 | .00016 | 16.631 |
| #2 | -.00008 | 47.991 | -.00036 | -.00032 | .00027 | -.01581 | .00010 | 16.659 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00245 | .00035 | 204.31 | .00013 | .00844 | 6.8849 | .00461 | .06666 |
| Stddev | .00004  | .00003 | 1.67   | .00005 | .00011 | .0267  | .00026 | .00010 |
| %RSD   | 1.6457  | 8.4028 | .81830 | 41.866 | 1.3422 | .38830 | 5.6710 | .14395 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00242 | .00033 | 205.50 | .00009 | .00852 | 6.9038 | .00480 | .06659 |
| #2 | -.00248 | .00037 | 203.13 | .00017 | .00836 | 6.8660 | .00443 | .06673 |

|        |          |        |         |        |        |        |        |        |
|--------|----------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 19.166 | 3.4354 | -.00807 | .00169 | .01467 | .0040  | .29966 | 5.8764 |
| Stddev | .044     | .0159  | .00006  | .00031 | .00250 | .0001  | .00126 | .0954  |
| %RSD   | .23134   | .46267 | .70096  | 18.238 | 17.033 | 2.582  | .42168 | 1.6237 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 19.197 | 3.4241 | -.00803 | .00191 | .01644 | .0041 | .29877 | 5.9438 |
| #2 | 19.134 | 3.4466 | -.00811 | .00147 | .01290 | .0039 | .30056 | 5.8089 |

Sample Name: J6145-01LX5      Acquired: 11/30/2018 15:14:49      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.3977  
Stddev      .2080  
%RSD      14.884

#1      1.5448  
#2      1.2506

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3658.8 | 48241. | 3670.6 | 72.390 | 3758.9 |
| Stddev    | 1.3    | 169.   | 9.8    | 1.683  | 1.0    |
| %RSD      | .03428 | .34933 | .26786 | 2.3244 | .02625 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3657.9 | 48122. | 3663.7 | 71.200 | 3758.2 |
| #2 | 3659.7 | 48360. | 3677.6 | 73.580 | 3759.6 |

Sample Name: J6145-01MS      Acquired: 11/30/2018 15:18:56      Type: Unk  
Method: P4-ICP2(v2618)      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    | .82947 | 1.6450 | .88459 | 1.9257 | .86521 | 2.0301 | .35561 | .20664 |
| Stddev | .00071 | .0019  | .00037 | .0055  | .00509 | .0045  | .00051 | .00049 |
| %RSD   | .08569 | .11864 | .04176 | .28701 | .58845 | .22269 | .14243 | .23649 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82897 | 1.6463 | .88485 | 1.9296 | .86881 | 2.0333 | .35525 | .20698 |
| #2 | .82997 | 1.6436 | .88433 | 1.9218 | .86161 | 2.0269 | .35597 | .20629 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18090 | 206.31 | .38148 | .18951 | .27658 | 2.4634 | .19159 | 75.243 |
| Stddev | .00056 | 1.01   | .00122 | .00015 | .00195 | .0021  | .00025 | .154   |
| %RSD   | .30900 | .48835 | .31879 | .08095 | .70578 | .08546 | .12887 | .20457 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18130 | 205.60 | .38062 | .18962 | .27796 | 2.4619 | .19176 | 75.134 |
| #2 | .18051 | 207.02 | .38234 | .18940 | .27520 | 2.4649 | .19141 | 75.351 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .44053 | .06827 | 861.29 | .26646 | .22124 | 39.351 | .40875 | .57979 |
| Stddev | .00023 | .00002 | 12.55  | .00137 | .00428 | .173   | .00096 | .00552 |
| %RSD   | .05147 | .02423 | 1.4574 | .51509 | 1.9358 | .44042 | .23517 | .95137 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .44037 | .06828 | 870.17 | .26549 | .22427 | 39.229 | .40943 | .58369 |
| #2 | .44069 | .06826 | 852.41 | .26743 | .21821 | 39.474 | .40807 | .57588 |

|        |          |          |        |        |        |        |        |        |
|--------|----------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 93.205 | F 15.300 | .60957 | .18978 | .22126 | 6.077  | 1.4940 | 6.4225 |
| Stddev | .037     | .010     | .00230 | .00353 | .00037 | .006   | .0057  | .0304  |
| %RSD   | .03965   | .06844   | .37763 | 1.8615 | .16528 | .0950  | .38096 | .47390 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 93.179 | 15.293 | .61120 | .19228 | .22152 | 6.081 | 1.4900 | 6.4010 |
| #2 | 93.231 | 15.308 | .60794 | .18729 | .22101 | 6.073 | 1.4980 | 6.4441 |



Sample Name: J6145-01MS      Acquired: 11/30/2018 15:18:56      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.5548  
Stddev      .1191  
%RSD      4.6634

#1      2.4705  
#2      2.6390

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3476.7 | 45536. | 3719.5 | 72.271 | 3410.5 |
| Stddev    | 14.3   | 11.    | 6.4    | 1.202  | 5.3    |
| %RSD      | .41123 | .02405 | .17146 | 1.6626 | .15430 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3466.5 | 45544. | 3715.0 | 71.421 | 3406.7 |
| #2 | 3486.8 | 45529. | 3724.0 | 73.120 | 3414.2 |

Sample Name: J6145-01MSD      Acquired: 11/30/2018 15:22:49      Type: Unk  
Method: P4-ICP2(v2618)      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    | .83606 | 1.6448 | .88533 | 1.9352 | .87071 | 2.0121 | .35152 | .20428 |
| Stddev | .00342 | .0038  | .00129 | .0202  | .00300 | .0178  | .00426 | .00346 |
| %RSD   | .40952 | .23264 | .14549 | 1.0418 | .34463 | .88364 | 1.2119 | 1.6932 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83364 | 1.6421 | .88442 | 1.9210 | .86859 | 1.9996 | .35453 | .20184 |
| #2 | .83849 | 1.6475 | .88624 | 1.9495 | .87283 | 2.0247 | .34851 | .20673 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18159 | 202.29 | .37616 | .18926 | .27783 | 2.4566 | .18995 | 74.423 |
| Stddev | .00024 | .43    | .00672 | .00036 | .00189 | .0055  | .00296 | .791   |
| %RSD   | .13055 | .21297 | 1.7869 | .19239 | .68015 | .22430 | 1.5602 | 1.0632 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18142 | 202.60 | .37141 | .18900 | .27649 | 2.4527 | .18786 | 74.983 |
| #2 | .18176 | 201.99 | .38092 | .18951 | .27916 | 2.4605 | .19205 | 73.864 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .44021 | .06782 | 839.64 | .26369 | .22166 | 38.801 | .41201 | .57395 |
| Stddev | .00084 | .00140 | 2.70   | .00348 | .00111 | .198   | .00177 | .01222 |
| %RSD   | .19143 | 2.0671 | .32132 | 1.3216 | .49866 | .50937 | .43077 | 2.1287 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .43961 | .06683 | 841.55 | .26122 | .22088 | 38.940 | .41075 | .58259 |
| #2 | .44080 | .06881 | 837.73 | .26615 | .22244 | 38.661 | .41326 | .56531 |

|        |          |          |        |        |        |        |        |        |
|--------|----------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 93.241 | F 14.972 | .61357 | .18877 | .21766 | 6.072  | 1.4636 | 6.4163 |
| Stddev | .016     | .015     | .00138 | .00106 | .00142 | .003   | .0018  | .3182  |
| %RSD   | .01666   | .10249   | .22436 | .56232 | .65062 | .0499  | .12560 | 4.9588 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 93.230 | 14.961 | .61454 | .18952 | .21866 | 6.070 | 1.4649 | 6.1914 |
| #2 | 93.252 | 14.982 | .61259 | .18802 | .21666 | 6.075 | 1.4623 | 6.6413 |

Sample Name: J6145-01MSD      Acquired: 11/30/2018 15:22:49      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.0040 |
| Stddev | .6264  |
| %RSD   | 20.853 |

|    |        |
|----|--------|
| #1 | 2.5611 |
| #2 | 3.4470 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3449.6 | 45799. | 3769.6 | 71.984 | 3395.8 |
| Stddev    | 4.7    | 756.   | 12.4   | .050   | 10.2   |
| %RSD      | .13638 | 1.6505 | .32925 | .06893 | .29997 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3452.9 | 46334. | 3760.8 | 72.019 | 3388.6 |
| #2 | 3446.2 | 45265. | 3778.4 | 71.949 | 3403.0 |

Sample Name: CCV03      Acquired: 11/30/2018 15:30:55      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |        |        |        |        |          |
|--------|----------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1557   | 4.7609 | 4.8311 | 4.8993 | 5.1762 | 10.130 | 10.013 | .24773   |
| Stddev | .0222    | .0379  | .0171  | .0107  | .0234  | .026   | .025   | .00013   |
| %RSD   | .43160   | .79700 | .35474 | .21747 | .45239 | .25182 | .25014 | .05184   |
| #1     | 5.1714   | 4.7877 | 4.8433 | 4.9068 | 5.1927 | 10.112 | 10.031 | .24782   |
| #2     | 5.1400   | 4.7340 | 4.8190 | 4.8917 | 5.1596 | 10.148 | 9.9951 | .24764   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4087   | 25.714 | 1.0103 | 2.4700 | 1.2357 | 4.7274 | 2.5078 | 23.436   |
| Stddev | .0104    | .149   | .0050  | .0095  | .0059  | .0547  | .0008  | .034     |
| %RSD   | .43233   | .58121 | .49491 | .38573 | .47902 | 1.1576 | .03222 | .14388   |
| #1     | 2.4161   | 25.608 | 1.0138 | 2.4767 | 1.2399 | 4.6887 | 2.5084 | 23.459   |
| #2     | 2.4014   | 25.819 | 1.0068 | 2.4633 | 1.2315 | 4.7661 | 2.5072 | 23.412   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3441   | 1.1726 | 23.886 | 2.2798 | 2.6456 | 23.001 | 4.7275 | 4.7039   |
| Stddev | .0093    | .0013  | .107   | .0034  | .0149  | .050   | .0107  | .0019    |
| %RSD   | .39792   | .10927 | .44614 | .15017 | .56282 | .21613 | .22697 | .04144   |
| #1     | 2.3507   | 1.1736 | 23.961 | 2.2822 | 2.6350 | 22.966 | 4.7351 | 4.7025   |
| #2     | 2.3375   | 1.1717 | 23.810 | 2.2774 | 2.6561 | 23.036 | 4.7199 | 4.7053   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F 4.4938 | 4.6713 | 4.5276 | 4.8395 | 4.9614 | 4.741  | 5.2654 | F 5.5115 |
| Stddev | .0316    | .0060  | .0131  | .0046  | .0154  | .024   | .0050  | .0553    |
| %RSD   | .70398   | .12902 | .28878 | .09473 | .31089 | .5011  | .09427 | 1.0027   |
| #1     | 4.5162   | 4.6670 | 4.5368 | 4.8362 | 4.9723 | 4.758  | 5.2619 | 5.5505   |
| #2     | 4.4715   | 4.6755 | 4.5183 | 4.8427 | 4.9505 | 4.724  | 5.2689 | 5.4724   |

Sample Name: CCV03      Acquired: 11/30/2018 15:30:55      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.6104  
Stddev      .3102  
%RSD      19.262

#1      1.3911  
#2      1.8298

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3778.2 | 50068. | 3680.4 | 68.465 | 3840.3 |
| Stddev    | 22.2   | 17.    | 3.0    | .210   | 28.1   |
| %RSD      | .58699 | .03435 | .08239 | .30714 | .73122 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3762.6 | 50080. | 3678.2 | 68.613 | 3820.4 |
| #2 | 3793.9 | 50055. | 3682.5 | 68.316 | 3860.1 |

Sample Name: CCB03      Acquired: 11/30/2018 15:34:39      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00002 | .00206 | .00144 | -.00027 | .00020 | .00092 | .00359 |
| Stddev | .00060  | .00016 | .00025 | .00074  | .00126 | .00044 | .00028 |
| %RSD   | 2737.5  | 7.9356 | 17.426 | 276.00  | 639.49 | 47.318 | 7.7232 |

|    |         |        |        |         |         |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|
| #1 | -.00044 | .00217 | .00161 | .00025  | -.00069 | .00123 | .00339 |
| #2 | .00040  | .00194 | .00126 | -.00079 | .00109  | .00062 | .00379 |

|        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00006 | .00010 | .03099 | -.00027 | .00007 | .00022 | -.00090 |
| Stddev | .00001 | .00005 | .01278 | .00015  | .00001 | .00011 | .02668  |
| %RSD   | 12.469 | 45.499 | 41.226 | 55.259  | 11.777 | 50.815 | 2971.5  |

|    |        |        |        |         |        |        |         |
|----|--------|--------|--------|---------|--------|--------|---------|
| #1 | .00005 | .00007 | .02196 | -.00017 | .00008 | .00030 | .01797  |
| #2 | .00006 | .00013 | .04002 | -.00038 | .00007 | .00014 | -.01977 |

|        |        |         |         |         |        |         |         |
|--------|--------|---------|---------|---------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00012 | -.05505 | -.00065 | -.00040 | .06850 | -.00003 | -.00096 |
| Stddev | .00004 | .00669  | .00000  | .00015  | .00589 | .00012  | .00012  |
| %RSD   | 36.044 | 12.157  | .65849  | 35.936  | 8.6009 | 388.36  | 12.056  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00015 | -.05978 | -.00065 | -.00030 | .06434 | -.00012 | -.00088 |
| #2 | .00009 | -.05032 | -.00065 | -.00051 | .07267 | .00006  | -.00104 |

|        |        |        |         |           |        |         |        |
|--------|--------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .08362 | .00056 | -.00917 | F -.14045 | .01175 | -.00181 | .00359 |
| Stddev | .03011 | .00039 | .02408  | .00180    | .00051 | .00004  | .00094 |
| %RSD   | 36.005 | 70.195 | 262.74  | 1.2794    | 4.3518 | 2.4213  | 26.016 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .10490 | .00083 | .00786  | -.14172 | .01139 | -.00178 | .00293 |
| #2 | .06233 | .00028 | -.02620 | -.13918 | .01212 | -.00184 | .00426 |

Sample Name: CCB03      Acquired: 11/30/2018 15:34:39      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .00143 | -.0059 | -.00010 | F 4.5286 | F<.00000 |
| Stddev | .00090 | .0001  | .00018  | .0603    | .14898   |
| %RSD   | 62.835 | 2.493  | 171.43  | 1.3315   | 278.41   |

|    |        |        |         |        |         |
|----|--------|--------|---------|--------|---------|
| #1 | .00080 | -.0060 | -.00023 | 4.5712 | -.15885 |
| #2 | .00207 | -.0058 | .00002  | 4.4859 | .05183  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3948.0 | 52911. | 3735.6 | 74.006 | 4393.9 |
| Stddev    | 13.0   | 4.     | 18.3   | .487   | 11.2   |
| %RSD      | .33004 | .00689 | .48957 | .65798 | .25559 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3938.8 | 52914. | 3748.5 | 74.350 | 4385.9 |
| #2 | 3957.2 | 52909. | 3722.7 | 73.661 | 4401.8 |

Sample Name: J6145-01A      Acquired: 11/30/2018 15:38:43      Type: Unk  
Method: P4-ICP2(v2618)      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    | .82680 | 1.6510 | .88818 | 1.9226 | .86576 | 2.0251 | .35651 | .20478 |
| Stddev | .00201 | .0047  | .00175 | .0038  | .00052 | .0180  | .00164 | .00011 |
| %RSD   | .24321 | .28313 | .19677 | .19735 | .06021 | .89070 | .46063 | .05448 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82538 | 1.6477 | .88694 | 1.9199 | .86540 | 2.0124 | .35767 | .20470 |
| #2 | .82822 | 1.6543 | .88941 | 1.9253 | .86613 | 2.0379 | .35535 | .20486 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18163 | 206.94 | .37731 | .18891 | .27634 | 2.4550 | .19032 | 75.658 |
| Stddev | .00062 | .65    | .00106 | .00057 | .00011 | .0624  | .00032 | .322   |
| %RSD   | .33926 | .31218 | .28000 | .30181 | .04083 | 2.5420 | .16811 | .42584 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18119 | 206.48 | .37806 | .18851 | .27642 | 2.4109 | .19055 | 75.430 |
| #2 | .18206 | 207.40 | .37656 | .18932 | .27626 | 2.4991 | .19009 | 75.886 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .44103 | .06762 | 885.66 | .26493 | .22365 | 39.253 | .40955 | .59580 |
| Stddev | .00217 | .00007 | 6.27   | .00234 | .00685 | .003   | .00022 | .01563 |
| %RSD   | .49207 | .10990 | .70758 | .88513 | 3.0635 | .00809 | .05294 | 2.6239 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .43950 | .06756 | 890.09 | .26658 | .21881 | 39.255 | .40971 | .58474 |
| #2 | .44257 | .06767 | 881.22 | .26327 | .22850 | 39.250 | .40940 | .60685 |

|        |          |          |        |        |        |        |        |        |
|--------|----------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 93.067 | F 15.359 | .61333 | .19083 | .22025 | 6.071  | 1.4942 | 6.3332 |
| Stddev | .611     | .073     | .00337 | .00190 | .00168 | .046   | .0010  | .0708  |
| %RSD   | .65659   | .47478   | .54918 | .99668 | .76468 | .7530  | .07009 | 1.1187 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 92.635 | 15.307 | .61095 | .18948 | .22144 | 6.038 | 1.4934 | 6.2831 |
| #2 | 93.499 | 15.410 | .61571 | .19217 | .21906 | 6.103 | 1.4949 | 6.3833 |



Sample Name: J6145-01A      Acquired: 11/30/2018 15:38:43      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.9087 |
| Stddev | .0087  |
| %RSD   | .29996 |

|    |        |
|----|--------|
| #1 | 2.9149 |
| #2 | 2.9026 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3482.8 | 45736. | 3692.0 | 71.467 | 3414.3 |
| Stddev    | 11.5   | 196.   | 21.5   | 2.006  | 9.3    |
| %RSD      | .33068 | .42917 | .58228 | 2.8075 | .27227 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3474.7 | 45874. | 3707.2 | 72.886 | 3420.9 |
| #2 | 3491.0 | 45597. | 3676.8 | 70.049 | 3407.7 |

Sample Name: PB115209BL      Acquired: 11/30/2018 15:42:37      Type: Unk  
Method: P4-ICP2(v2618)      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    | -.00041 | .00170 | .00018 | .00198 | -.00113 | .00723 | .00370 |
| Stddev | .00074  | .00076 | .00037 | .00105 | .00096  | .01752 | .00037 |
| %RSD   | 182.33  | 44.740 | 203.28 | 52.968 | 84.884  | 242.26 | 9.9807 |

|    |         |        |         |        |         |         |        |
|----|---------|--------|---------|--------|---------|---------|--------|
| #1 | -.00093 | .00116 | .00044  | .00272 | -.00045 | -.00516 | .00396 |
| #2 | .00012  | .00223 | -.00008 | .00124 | -.00180 | .01962  | .00344 |

|        |        |        |         |         |        |         |        |
|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00006 | .00002 | -.00100 | -.00031 | .00004 | -.00062 | .00485 |
| Stddev | .00004 | .00004 | .00282  | .00014  | .00005 | .00052  | .00436 |
| %RSD   | 70.629 | 195.75 | 281.44  | 44.066  | 138.80 | 85.088  | 90.000 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .00003 | -.00001 | -.00300 | -.00021 | .00007 | -.00025 | .00793 |
| #2 | .00009 | .00005  | .00099  | -.00041 | .00000 | -.00099 | .00176 |

|        |        |         |         |         |        |         |         |
|--------|--------|---------|---------|---------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00007 | -.06381 | -.00052 | -.00010 | .44344 | -.00015 | -.00090 |
| Stddev | .00003 | .00979  | .00029  | .00030  | .03951 | .00015  | .00002  |
| %RSD   | 38.155 | 15.347  | 55.802  | 310.20  | 8.9099 | 105.01  | 2.0009  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00005 | -.05689 | -.00031 | -.00031 | .47137 | -.00025 | -.00089 |
| #2 | .00008 | -.07073 | -.00072 | .00012  | .41550 | -.00004 | -.00091 |

|        |        |        |         |           |        |         |        |
|--------|--------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .17590 | .00037 | -.00295 | F -.13084 | .00832 | -.00172 | .00149 |
| Stddev | .01552 | .00019 | .00459  | .00045    | .00038 | .00030  | .00018 |
| %RSD   | 8.8213 | 50.917 | 155.34  | .34497    | 4.5773 | 17.268  | 12.371 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .16493 | .00051 | .00029  | -.13116 | .00859 | -.00151 | .00162 |
| #2 | .18687 | .00024 | -.00620 | -.13052 | .00805 | -.00194 | .00136 |

Sample Name: PB115209BL      Acquired: 11/30/2018 15:42:37      Type: Unk  
 Method: P4-ICP2(v2618)      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 .00583 | -.0058 | -.00008 | F 4.3806 | F<.00000 |
| Stddev | .00030   | .0002  | .00002  | .1209    | .04555   |
| %RSD   | 5.0950   | 3.375  | 27.387  | 2.7608   | 6.3750   |

|    |        |        |         |        |         |
|----|--------|--------|---------|--------|---------|
| #1 | .00562 | -.0056 | -.00009 | 4.2951 | -.68237 |
| #2 | .00604 | -.0059 | -.00006 | 4.4661 | -.74679 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3987.5 | 53143. | 3779.6 | 73.947 | 4439.7 |
| Stddev    | 18.3   | 64.    | 22.5   | .326   | 18.6   |
| %RSD      | .45776 | .12078 | .59621 | .44117 | .41900 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3974.6 | 53189. | 3763.6 | 73.716 | 4426.5 |
| #2 | 4000.4 | 53098. | 3795.5 | 74.177 | 4452.8 |

Sample Name: PB115218BS      Acquired: 11/30/2018 15:46:42      Type: Unk  
Method: P4-ICP2(v2618)      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    | .80969 | 1.9155 | .96265 | 1.8955 | .82989 | 2.0438 | .22390 |
| Stddev | .01231 | .0357  | .01640 | .0285  | .01053 | .0306  | .00328 |
| %RSD   | 1.5198 | 1.8614 | 1.7038 | 1.5023 | 1.2686 | 1.4964 | 1.4633 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81839 | 1.9407 | .97425 | 1.9156 | .83733 | 2.0222 | .22621 |
| #2 | .80099 | 1.8903 | .95106 | 1.8753 | .82244 | 2.0654 | .22158 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19255 | .18701 | 1.1642 | .42930 | .20481 | .31917 | 2.9689 |
| Stddev | .00071 | .00367 | .0155  | .00097 | .00460 | .00428 | .0459  |
| %RSD   | .36751 | 1.9639 | 1.3319 | .22497 | 2.2437 | 1.3396 | 1.5469 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19305 | .18960 | 1.1752 | .42999 | .20805 | .32219 | 3.0014 |
| #2 | .19205 | .18441 | 1.1533 | .42862 | .20156 | .31614 | 2.9364 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21794 | 2.0518 | .48129 | .06801 | 3.1610 | .29061 | .21111 |
| Stddev | .00042 | .0098  | .00947 | .00058 | .0276  | .00168 | .00521 |
| %RSD   | .19097 | .47567 | 1.9672 | .85593 | .87335 | .57732 | 2.4696 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21823 | 2.0449 | .48799 | .06843 | 3.1805 | .29180 | .21480 |
| #2 | .21764 | 2.0587 | .47460 | .06760 | 3.1415 | .28942 | .20742 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 9.8778 | .41902 | .27580 | F -.14051 | .93230 | .63196 | .21083 |
| Stddev | .0825  | .00537 | .00164 | .00160    | .01006 | .01051 | .00320 |
| %RSD   | .83513 | 1.2821 | .59363 | 1.1364    | 1.0785 | 1.6631 | 1.5182 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.9361 | .42282 | .27696 | -.13938 | .93941 | .63939 | .21309 |
| #2 | 9.8194 | .41522 | .27464 | -.14164 | .92519 | .62453 | .20857 |

Sample Name: PB115218BS      Acquired: 11/30/2018 15:46:42      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .21787 | 5.166  | .22724 | F 4.4257 | F<.00000 |
| Stddev | .00497 | .092   | .00252 | .0114    | .16072   |
| %RSD   | 2.2802 | 1.773  | 1.1075 | .25672   | 6.2291   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .22138 | 5.231 | .22902 | 4.4337 | -2.4664 |
| #2 | .21436 | 5.101 | .22546 | 4.4176 | -2.6937 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3915.2 | 53137. | 3682.8 | 73.088 | 4277.0 |
| Stddev    | 66.3   | 22.    | 43.5   | 1.795  | 91.8   |
| %RSD      | 1.6929 | .04202 | 1.1807 | 2.4561 | 2.1462 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3868.3 | 53121. | 3652.0 | 71.818 | 4212.1 |
| #2 | 3962.1 | 53153. | 3713.5 | 74.357 | 4341.9 |

Sample Name: PB115159BL      Acquired: 11/30/2018 15:50:33      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00165 | .00007 | .00014 | .00194 | -.00210 | -.00806 | .00239 |
| Stddev | .00188 | .00095 | .00120 | .00140 | .00079  | .00807  | .00034 |
| %RSD   | 114.28 | 1431.6 | 891.21 | 71.905 | 37.776  | 100.08  | 14.423 |

|    |        |         |         |        |         |         |        |
|----|--------|---------|---------|--------|---------|---------|--------|
| #1 | .00298 | -.00061 | -.00072 | .00096 | -.00266 | -.01377 | .00215 |
| #2 | .00032 | .00074  | .00099  | .00293 | -.00154 | -.00236 | .00263 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00005 | .00005 | .00980 | -.00030 | .00002 | .00021 | .00826 |
| Stddev | .00008 | .00005 | .00006 | .00020  | .00010 | .00004 | .00040 |
| %RSD   | 159.65 | 105.69 | .59052 | 65.384  | 467.78 | 21.075 | 4.8457 |

|    |         |        |        |         |         |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00010  | .00008 | .00984 | -.00016 | .00009  | .00024 | .00854 |
| #2 | -.00001 | .00001 | .00976 | -.00044 | -.00005 | .00018 | .00798 |

|        |        |         |         |        |        |         |         |
|--------|--------|---------|---------|--------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00007 | -.03407 | -.00046 | .00021 | .04705 | -.00044 | -.00092 |
| Stddev | .00001 | .05986  | .00053  | .00036 | .00096 | .00019  | .00011  |
| %RSD   | 14.398 | 175.67  | 114.82  | 171.90 | 2.0382 | 43.750  | 12.029  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00007 | .00825  | -.00084 | -.00004 | .04773 | -.00058 | -.00100 |
| #2 | .00008 | -.07640 | -.00009 | .00046  | .04637 | -.00030 | -.00084 |

|        |        |         |         |           |        |         |        |
|--------|--------|---------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .08296 | -.00022 | -.01962 | F -.14221 | .00671 | -.00129 | .00287 |
| Stddev | .01573 | .00001  | .02653  | .00118    | .00225 | .00042  | .00147 |
| %RSD   | 18.961 | 4.1357  | 135.20  | .83318    | 33.490 | 32.643  | 51.323 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .07184 | -.00021 | -.00086 | -.14138 | .00512 | -.00158 | .00183 |
| #2 | .09408 | -.00023 | -.03838 | -.14305 | .00830 | -.00099 | .00391 |

Sample Name: PB115159BL      Acquired: 11/30/2018 15:50:33      Type: Unk  
 Method: P4-ICP2(v2618)      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    | -.00070 | -.0052 | -.00006 | F 4.2947 | F .11820 |
| Stddev | .00300  | .0010  | .00005  | .0350    | .08301   |
| %RSD   | 430.95  | 18.28  | 94.179  | .81529   | 70.225   |

|    |         |        |         |        |        |
|----|---------|--------|---------|--------|--------|
| #1 | .00142  | -.0046 | -.00002 | 4.3195 | .17690 |
| #2 | -.00281 | -.0059 | -.00010 | 4.2699 | .05951 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3978.6 | 53682. | 3827.1 | 75.068 | 4430.6 |
| Stddev    | 15.4   | 135.   | 8.0    | .399   | 19.3   |
| %RSD      | .38595 | .25057 | .21013 | .53092 | .43659 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3989.5 | 53587. | 3821.4 | 75.350 | 4444.3 |
| #2 | 3967.8 | 53777. | 3832.7 | 74.786 | 4417.0 |

Sample Name: PB115159BS      Acquired: 11/30/2018 15:54:39      Type: Unk  
Method: P4-ICP2(v2618)      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    | .81057 | 1.9507 | .96651 | 1.9799 | .85705 | 2.0315 | .21689 |
| Stddev | .00034 | .0143  | .00430 | .0078  | .00405 | .0136  | .00009 |
| %RSD   | .04202 | .73539 | .44522 | .39244 | .47257 | .66984 | .04242 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81081 | 1.9608 | .96956 | 1.9854 | .85992 | 2.0411 | .21682 |
| #2 | .81033 | 1.9405 | .96347 | 1.9745 | .85419 | 2.0218 | .21695 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20383 | .18781 | 1.0889 | .42237 | .19983 | .32379 | 2.9565 |
| Stddev | .00017 | .00125 | .0057  | .00259 | .00118 | .00295 | .0282  |
| %RSD   | .08581 | .66427 | .52568 | .61407 | .58915 | .91136 | .95271 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20370 | .18869 | 1.0930 | .42420 | .20066 | .32588 | 2.9365 |
| #2 | .20395 | .18693 | 1.0849 | .42053 | .19900 | .32171 | 2.9764 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21561 | 1.9521 | .47629 | .06922 | 3.0064 | .28199 | .21831 |
| Stddev | .00032 | .0355  | .00328 | .00029 | .0238  | .00052 | .00105 |
| %RSD   | .14693 | 1.8160 | .68839 | .41554 | .79261 | .18617 | .48029 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21583 | 1.9771 | .47861 | .06943 | 3.0233 | .28237 | .21757 |
| #2 | .21538 | 1.9270 | .47397 | .06902 | 2.9896 | .28162 | .21905 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.7745 | .40396 | .28161 | F 8.3530 | .92616 | .63812 | .20579 |
| Stddev | .0035  | .00248 | .00327 | .0555    | .00936 | .00363 | .00308 |
| %RSD   | .03598 | .61460 | 1.1625 | .66400   | 1.0105 | .56949 | 1.4978 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.7769 | .40572 | .28393 | 8.3923 | .93278 | .64069 | .20797 |
| #2 | 9.7720 | .40221 | .27930 | 8.3138 | .91955 | .63555 | .20361 |



Sample Name: PB115159BS      Acquired: 11/30/2018 15:54:39      Type: Unk  
Method: P4-ICP2(v2618)      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       | .21400 | F 5.287 | .22109 | F 4.6812 | F<.00000 |
| Stddev    | .00144 | .029    | .00007 | .0595    | .49046   |
| %RSD      | .67351 | .5555   | .03053 | 1.2705   | 22.698   |
| #1        | .21298 | 5.308   | .22104 | 4.7233   | -2.5076  |
| #2        | .21502 | 5.266   | .22114 | 4.6392   | -1.8140  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3977.8 | 52726.  | 3761.4 | 72.913   | 4341.6   |
| Stddev    | 26.1   | 111.    | 20.5   | .262     | 31.6     |
| %RSD      | .65536 | .21089  | .54389 | .35927   | .72730   |
| #1        | 3959.3 | 52647.  | 3746.9 | 73.098   | 4319.2   |
| #2        | 3996.2 | 52804.  | 3775.9 | 72.727   | 4363.9   |

Sample Name: PB115206BL      Acquired: 11/30/2018 15:58:30      Type: Unk  
Method: P4-ICP2(v2618)      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    | -.00296 | .00031 | .00023 | .00010 | -.00245 | .00810 | .00310 |
| Stddev | .00175  | .00051 | .00008 | .00300 | .00177  | .00504 | .00034 |
| %RSD   | 59.013  | 164.33 | 33.641 | 2966.4 | 72.311  | 62.230 | 10.915 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00173 | -.00005 | .00017 | .00223  | -.00370 | .00454 | .00286 |
| #2 | -.00420 | .00067  | .00028 | -.00202 | -.00120 | .01167 | .00334 |

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00001 | -.00002 | -.00021 | -.00039 | -.00015 | -.00029 | .00098 |
| Stddev | .00002 | .00006  | .00303  | .00019  | .00009  | .00016  | .00374 |
| %RSD   | 265.10 | 353.33  | 1451.5  | 48.609  | 61.949  | 54.650  | 380.39 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00001 | -.00005 | .00193  | -.00052 | -.00008 | -.00040 | -.00166 |
| #2 | .00002  | .00002  | -.00235 | -.00026 | -.00022 | -.00018 | .00362  |

|        |        |         |         |        |         |         |         |
|--------|--------|---------|---------|--------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00009 | -.01473 | -.00043 | .00044 | -.03601 | -.00037 | -.00093 |
| Stddev | .00002 | .01427  | .00029  | .00042 | .00268  | .00005  | .00007  |
| %RSD   | 19.602 | 96.897  | 67.838  | 95.022 | 7.4302  | 13.142  | 7.9932  |

|    |        |         |         |        |         |         |         |
|----|--------|---------|---------|--------|---------|---------|---------|
| #1 | .00010 | -.00464 | -.00064 | .00074 | -.03412 | -.00041 | -.00098 |
| #2 | .00008 | -.02481 | -.00023 | .00014 | -.03790 | -.00034 | -.00087 |

|        |        |         |         |           |        |         |        |
|--------|--------|---------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .05362 | -.00001 | -.01839 | F -.14661 | .00395 | -.00239 | .00466 |
| Stddev | .03180 | .00015  | .00142  | .00097    | .00215 | .00030  | .00017 |
| %RSD   | 59.293 | 1216.3  | 7.7014  | .65835    | 54.414 | 12.416  | 3.6279 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .07611 | .00009  | -.01739 | -.14593 | .00546 | -.00218 | .00455 |
| #2 | .03114 | -.00012 | -.01940 | -.14730 | .00243 | -.00260 | .00478 |

Sample Name: PB115206BL      Acquired: 11/30/2018 15:58:30      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00405 | -0.0049 | -0.00011 | F 4.4200 | F<.00000 |
| Stddev | .00269   | .0021   | .00011   | .0402    | .23632   |
| %RSD   | 66.468   | 43.04   | 105.01   | .90863   | 65.330   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00595 | -0.0034 | -0.00019 | 4.4484 | -.19463 |
| #2 | -0.00215 | -0.0064 | -0.00003 | 4.3916 | -.52884 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3969.1 | 53155. | 3763.3 | 73.759 | 4434.4 |
| Stddev    | 3.0    | 120.   | 20.8   | .832   | 9.7    |
| %RSD      | .07603 | .22553 | .55249 | 1.1286 | .21776 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3966.9 | 53070. | 3748.6 | 74.348 | 4441.2 |
| #2 | 3971.2 | 53239. | 3778.0 | 73.170 | 4427.6 |

Sample Name: PB115209BS      Acquired: 11/30/2018 16:02:36      Type: Unk  
Method: P4-ICP2(v2618)      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    | .88210 | 2.0872 | 1.0446 | 2.0844 | .91101 | 2.2512 | .23940 |
| Stddev | .00699 | .0099  | .0071  | .0172  | .00637 | .0051  | .00455 |
| %RSD   | .79237 | .47259 | .67683 | .82547 | .69871 | .22756 | 1.9015 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .87716 | 2.0803 | 1.0396 | 2.0723 | .90651 | 2.2476 | .24262 |
| #2 | .88705 | 2.0942 | 1.0496 | 2.0966 | .91551 | 2.2548 | .23618 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21518 | .20380 | F 1.2313 | .46835 | .22029 | .34500 | 3.2947 |
| Stddev | .00003 | .00168 | .0323    | .00244 | .00130 | .00179 | .1461  |
| %RSD   | .01580 | .82393 | 2.6276   | .52089 | .58882 | .51782 | 4.4330 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21515 | .20261 | 1.2542 | .46663 | .21938 | .34373 | 3.3980 |
| #2 | .21520 | .20499 | 1.2084 | .47008 | .22121 | .34626 | 3.1915 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23970 | 2.1405 | .52119 | .07479 | 3.2453 | .31572 | .23708 |
| Stddev | .00053 | .0063  | .00442 | .00008 | .0638  | .00126 | .01009 |
| %RSD   | .21908 | .29576 | .84771 | .10825 | 1.9670 | .40033 | 4.2570 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .24007 | 2.1360 | .51806 | .07485 | 3.2904 | .31483 | .24422 |
| #2 | .23933 | 2.1450 | .52431 | .07473 | 3.2001 | .31661 | .22994 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.637 | .44669 | .29913 | F .84199 | .98060 | .68774 | .22473 |
| Stddev | .149   | .00598 | .00883 | .01551   | .01347 | .00335 | .00550 |
| %RSD   | 1.4047 | 1.3377 | 2.9504 | 1.8420   | 1.3733 | .48642 | 2.4488 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.743 | .44247 | .30537 | .83103 | .99013 | .68537 | .22862 |
| #2 | 10.532 | .45092 | .29289 | .85296 | .97108 | .69011 | .22084 |

Sample Name: PB115209BS      Acquired: 11/30/2018 16:02:36      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .23262 | 5.686  | F .24481 | F 4.7376 | F<.00000 |
| Stddev | .00302 | .034   | .00351   | .0752    | .00686   |
| %RSD   | 1.2997 | .6046  | 1.4324   | 1.5868   | .25629   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .23476 | 5.661 | .24729 | 4.6844 | -2.6808 |
| #2 | .23048 | 5.710 | .24233 | 4.7907 | -2.6711 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3948.5 | 52584. | 3751.4 | 72.152 | 4306.1 |
| Stddev    | 13.7   | 63.    | 60.6   | 3.163  | 9.7    |
| %RSD      | .34705 | .11943 | 1.6144 | 4.3834 | .22438 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3958.2 | 52628. | 3708.6 | 69.916 | 4313.0 |
| #2 | 3938.8 | 52539. | 3794.2 | 74.389 | 4299.3 |

Sample Name: PB115218BL      Acquired: 11/30/2018 16:06:25      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00117 | -.00062 | .00001 | .00075 | -.00057 | .00311 | .00380 |
| Stddev | .00249 | .00109  | .00064 | .00126 | .00061  | .01156 | .00106 |
| %RSD   | 212.68 | 177.11  | 4612.1 | 169.02 | 107.95  | 371.09 | 27.874 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00059 | .00016  | -.00044 | -.00015 | -.00100 | -.00506 | .00305 |
| #2 | .00293  | -.00139 | .00046  | .00164  | -.00013 | .01129  | .00455 |

|        |        |        |         |         |        |         |        |
|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00000 | .00000 | -.00057 | -.00045 | .00006 | -.00017 | .00854 |
| Stddev | .00004 | .00002 | .00795  | .00002  | .00012 | .00019  | .00470 |
| %RSD   | 10426. | 742.77 | 1385.1  | 4.8159  | 209.21 | 112.21  | 55.079 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | .00003  | .00002  | .00505  | -.00043 | .00015  | -.00004 | .00521 |
| #2 | -.00003 | -.00001 | -.00620 | -.00046 | -.00003 | -.00031 | .01186 |

|        |        |         |         |         |         |         |         |
|--------|--------|---------|---------|---------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00010 | -.00389 | -.00070 | -.00008 | -.06667 | -.00049 | -.00091 |
| Stddev | .00001 | .06564  | .00008  | .00099  | .00430  | .00027  | .00017  |
| %RSD   | 11.499 | 1686.7  | 10.893  | 1169.1  | 6.4544  | 54.201  | 18.916  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00011 | -.05031 | -.00065 | .00061  | -.06972 | -.00030 | -.00103 |
| #2 | .00009 | .04252  | -.00076 | -.00078 | -.06363 | -.00068 | -.00078 |

|        |        |         |         |           |        |         |        |
|--------|--------|---------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .03638 | -.00006 | -.01609 | F -.14858 | .00524 | -.00235 | .00131 |
| Stddev | .02327 | .00016  | .00133  | .00230    | .00221 | .00069  | .00161 |
| %RSD   | 63.961 | 246.69  | 8.2820  | 1.5459    | 42.123 | 29.241  | 122.42 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .05284 | -.00017 | -.01515 | -.14695 | .00680 | -.00284 | .00018 |
| #2 | .01993 | .00005  | -.01704 | -.15020 | .00368 | -.00186 | .00245 |

Sample Name: PB115218BL      Acquired: 11/30/2018 16:06:25      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00442 | -0.0049 | -0.00007 | F 4.4320 | F<.00000 |
| Stddev | .00052   | .0012   | .00014   | .0033    | .14666   |
| %RSD   | 11.865   | 24.30   | 182.65   | .07477   | 49.278   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00405 | -0.0057 | -0.00017 | 4.4344 | -.19391 |
| #2 | -0.00479 | -0.0040 | .00002   | 4.4297 | -.40132 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3959.9 | 53095. | 3779.5 | 73.889 | 4395.2 |
| Stddev    | 6.0    | 43.    | 3.5    | .415   | 14.4   |
| %RSD      | .15241 | .08027 | .09235 | .56114 | .32806 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3964.2 | 53125. | 3782.0 | 73.595 | 4405.4 |
| #2 | 3955.7 | 53065. | 3777.1 | 74.182 | 4385.0 |

Sample Name: PB115206BS      Acquired: 11/30/2018 16:10:28      Type: Unk  
Method: P4-ICP2(v2618)      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    | .82453 | 1.9741 | .97654 | 2.0149 | .86861 | 2.0563 | .21710 |
| Stddev | .00042 | .0067  | .00370 | .0115  | .00183 | .0560  | .00080 |
| %RSD   | .05053 | .33922 | .37900 | .56916 | .21074 | 2.7241 | .36891 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82482 | 1.9788 | .97915 | 2.0230 | .86991 | 2.0959 | .21653 |
| #2 | .82423 | 1.9693 | .97392 | 2.0067 | .86732 | 2.0167 | .21766 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20783 | .18977 | 1.1162 | .42767 | .20140 | .32851 | 2.8758 |
| Stddev | .00926 | .00042 | .0004  | .01778 | .00031 | .00139 | .0113  |
| %RSD   | 4.4569 | .22053 | .03352 | 4.1580 | .15209 | .42346 | .39252 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21438 | .19007 | 1.1164 | .44024 | .20162 | .32949 | 2.8838 |
| #2 | .20128 | .18948 | 1.1159 | .41509 | .20118 | .32752 | 2.8678 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21965 | 2.0116 | .48067 | .07175 | 2.9541 | .28713 | .21560 |
| Stddev | .00982 | .0653  | .00047 | .00362 | .0132  | .01335 | .00089 |
| %RSD   | 4.4711 | 3.2473 | .09703 | 5.0520 | .44617 | 4.6494 | .41097 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22659 | 1.9654 | .48100 | .07431 | 2.9634 | .29657 | .21497 |
| #2 | .21270 | 2.0577 | .48034 | .06918 | 2.9447 | .27769 | .21622 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.7617 | .40913 | .26572 | F 8.4567 | .92699 | .64357 | .20930 |
| Stddev | .0359  | .00079 | .00679 | .0078    | .00910 | .00606 | .00173 |
| %RSD   | .36802 | .19418 | 2.5550 | .09261   | .98156 | .94154 | .82719 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.7871 | .40969 | .26092 | 8.4622 | .93342 | .64785 | .21053 |
| #2 | 9.7363 | .40857 | .27052 | 8.4512 | .92056 | .63928 | .20808 |



Sample Name: PB115206BS      Acquired: 11/30/2018 16:10:28      Type: Unk  
Method: P4-ICP2(v2618)      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    | .21074 | F 5.355 | .22139 | F 4.7791 | F<.00000 |
| Stddev | .00236 | .020    | .00017 | .4309    | .32472   |
| %RSD   | 1.1197 | .3742   | .07887 | 9.0157   | 17.241   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21241 | 5.369 | .22127 | 5.0838 | -1.6538 |
| #2 | .20907 | 5.341 | .22152 | 4.4744 | -2.1131 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3922.0 | 51824. | 3734.1 | 73.930 | 4299.5 |
| Stddev    | 9.6    | 1829.  | 21.3   | .257   | 13.0   |
| %RSD      | .24490 | 3.5286 | .57060 | .34780 | .30220 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3915.2 | 50531. | 3719.0 | 74.111 | 4290.3 |
| #2 | 3928.7 | 53117. | 3749.1 | 73.748 | 4308.7 |

Sample Name: J6144-07      Acquired: 11/30/2018 16:14:16      Type: Unk  
Method: P4-ICP2(v2618)      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    | .20156 | -.05921 | .09709 | -.03262 | .02912 | F 2431.8 | 2.3781 |
| Stddev | .00242 | .00203  | .00460 | .00341  | .00208 | 13.4     | .0141  |
| %RSD   | 1.1986 | 3.4361  | 4.7391 | 10.459  | 7.1260 | .55161   | .59451 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .20327 | -.05777 | .10034 | -.03021 | .02766 | 2441.3 | 2.3681 |
| #2 | .19985 | -.06065 | .09384 | -.03504 | .03059 | 2422.4 | 2.3881 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00134 | .00025 | 130.60 | .00316 | .02866 | .28026 | 102.62 |
| Stddev | .00009 | .00014 | 1.01   | .00027 | .00023 | .00075 | .31    |
| %RSD   | 6.6672 | 54.817 | .77629 | 8.4130 | .80789 | .26810 | .29878 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00127 | .00034 | 129.89 | .00335 | .02850 | .27973 | 102.84 |
| #2 | .00140 | .00015 | 131.32 | .00297 | .02883 | .28079 | 102.40 |

|        |          |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576   | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 62.861 | 19.571 | .06615 | .01176 | 77.064 | .10398 | .93744 |
| Stddev | .637     | .048   | .00046 | .00082 | .656   | .00087 | .00104 |
| %RSD   | 1.0127   | .24657 | .69847 | 6.9310 | .85165 | .83480 | .11089 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 63.311 | 19.537 | .06582 | .01119 | 76.600 | .10459 | .93817 |
| #2 | 62.411 | 19.605 | .06648 | .01234 | 77.528 | .10337 | .93670 |

|        |        |         |        |          |          |        |        |
|--------|--------|---------|--------|----------|----------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      | ppm    | ppm    |
| Avg    | 6.7240 | -.00440 | .02782 | F 52.446 | F 86.675 | .01068 | .26222 |
| Stddev | .0578  | .00055  | .01238 | .223     | .663     | .00129 | .00692 |
| %RSD   | .85889 | 12.598  | 44.490 | .42435   | .76498   | 12.057 | 2.6387 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 6.6831 | -.00401 | .03657 | 52.289 | 86.206 | .00977 | .25733 |
| #2 | 6.7648 | -.00479 | .01907 | 52.604 | 87.144 | .01159 | .26711 |

Sample Name: J6144-07      Acquired: 11/30/2018 16:14:16      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .00652 | F 40.22 | .46684 | 5.5676 | F<.00000 |
| Stddev | .00116 | .18     | .00457 | .0777  | .08947   |
| %RSD   | 17.836 | .4465   | .97831 | 1.3958 | .57664   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00570 | 40.09 | .46361 | 5.6226 | -15.579 |
| #2 | .00734 | 40.34 | .47007 | 5.5127 | -15.452 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3847.3 | 47626. | 4141.9 | 69.275 | 3273.5 |
| Stddev    | 11.8   | 374.   | 40.8   | .165   | 8.2    |
| %RSD      | .30769 | .78559 | .98423 | .23818 | .25161 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3855.6 | 47361. | 4170.7 | 69.158 | 3279.3 |
| #2 | 3838.9 | 47891. | 4113.1 | 69.392 | 3267.6 |

Sample Name: CCV04      Acquired: 11/30/2018 16:22:32      Type: Unk  
Method: P4-ICP2(v2618)      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    | 5.2433 | 4.7914 | 4.8758 | 4.9726 | 5.2595 | 10.351 | 10.185 | .25108 | 2.4278 |
| Stddev | .0000  | .0157  | .0098  | .0120  | .0029  | .046   | .017   | .00085 | .0042  |
| %RSD   | .00059 | .32729 | .20135 | .24140 | .05519 | .44589 | .16445 | .33840 | .17265 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.2434 | 4.8025 | 4.8827 | 4.9811 | 5.2574 | 10.383 | 10.173 | .25168 | 2.4307 |
| #2 | 5.2433 | 4.7803 | 4.8688 | 4.9641 | 5.2615 | 10.318 | 10.197 | .25048 | 2.4248 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 26.069 | 1.0160 | 2.4970 | 1.2509 | 4.6707 | 2.5328 | 23.577 | 2.3695 | 1.1902 |
| Stddev | .050   | .0004  | .0014  | .0002  | .0618  | .0083  | .009   | .0063  | .0080  |
| %RSD   | .19169 | .04011 | .05485 | .01775 | 1.3229 | .32627 | .03738 | .26680 | .67379 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 26.105 | 1.0163 | 2.4980 | 1.2507 | 4.7144 | 2.5386 | 23.570 | 2.3739 | 1.1959 |
| #2 | 26.034 | 1.0157 | 2.4960 | 1.2510 | 4.6270 | 2.5270 | 23.583 | 2.3650 | 1.1845 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 24.203 | 2.3002 | 2.6012 | 23.131 | 4.7836 | 4.7475 | 4.5452 | 4.6754 | 4.5536 |
| Stddev | .060   | .0065  | .0115  | .010   | .0025  | .0126  | .0129  | .0358  | .0148  |
| %RSD   | .24593 | .28270 | .44336 | .04358 | .05251 | .26602 | .28428 | .76531 | .32506 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 24.161 | 2.3048 | 2.6093 | 23.124 | 4.7818 | 4.7386 | 4.5543 | 4.6501 | 4.5640 |
| #2 | 24.245 | 2.2956 | 2.5930 | 23.139 | 4.7854 | 4.7565 | 4.5360 | 4.7007 | 4.5431 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8990 | 5.0229 | 4.795  | 5.3586 | 5.5884 | 2.0050 |
| Stddev | .0401  | .0055  | .015   | .0071  | .0699  | .2517  |
| %RSD   | .81906 | .10988 | .3127  | .13316 | 1.2506 | 12.552 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | 4.8706 | 5.0190 | 4.806 | 5.3536 | 5.6379 | 2.1829 |
| #2 | 4.9273 | 5.0268 | 4.784 | 5.3637 | 5.5390 | 1.8270 |

Sample Name: CCV04      Acquired: 11/30/2018 16:22:32      Type: Unk  
Method: P4-ICP2(v2618)      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       | 3743.7 | 49693. | 3687.4 | 69.875 | 3815.4 |
| Stddev    | 6.6    | 247.   | 5.1    | .402   | 11.4   |
| %RSD      | .17710 | .49709 | .13792 | .57466 | .29954 |
| #1        | 3739.0 | 49518. | 3691.0 | 69.591 | 3807.4 |
| #2        | 3748.4 | 49868. | 3683.8 | 70.159 | 3823.5 |

Sample Name: CCB04      Acquired: 11/30/2018 16:26:16      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00185 | .00105 | .00209 | .00274 | -.00142 | -.01069 | .00266 |
| Stddev | .00394 | .00026 | .00002 | .00056 | .00094  | .00755  | .00035 |
| %RSD   | 212.91 | 24.861 | .82986 | 20.407 | 66.157  | 70.637  | 13.248 |

|    |         |        |        |        |         |         |        |
|----|---------|--------|--------|--------|---------|---------|--------|
| #1 | -.00094 | .00087 | .00210 | .00234 | -.00209 | -.01602 | .00241 |
| #2 | .00464  | .00124 | .00208 | .00313 | -.00076 | -.00535 | .00290 |

|        |         |        |        |         |        |        |         |
|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00000 | .00004 | .00914 | -.00008 | .00002 | .00022 | -.00756 |
| Stddev | .00003  | .00001 | .02411 | .00044  | .00011 | .00003 | .00094  |
| %RSD   | 1301.3  | 17.686 | 263.75 | 584.60  | 546.94 | 13.406 | 12.481  |

|    |         |        |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|--------|---------|
| #1 | -.00002 | .00004 | .02619  | .00024  | -.00006 | .00020 | -.00823 |
| #2 | .00002  | .00005 | -.00791 | -.00039 | .00010  | .00024 | -.00690 |

|        |        |         |         |         |         |         |         |
|--------|--------|---------|---------|---------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00023 | -.04268 | -.00048 | -.00005 | -.07594 | -.00008 | -.00089 |
| Stddev | .00002 | .07319  | .00029  | .00004  | .00236  | .00015  | .00006  |
| %RSD   | 8.9213 | 171.48  | 61.090  | 94.290  | 3.1057  | 191.31  | 6.8814  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00021 | .00907  | -.00027 | -.00008 | -.07761 | -.00018 | -.00084 |
| #2 | .00024 | -.09443 | -.00068 | -.00002 | -.07427 | .00003  | -.00093 |

|        |        |        |         |           |        |         |        |
|--------|--------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .02862 | .00036 | -.01376 | F -.14292 | .00788 | -.00182 | .00282 |
| Stddev | .02146 | .00011 | .00571  | .00064    | .00350 | .00098  | .00414 |
| %RSD   | 75.000 | 30.978 | 41.491  | .44438    | 44.464 | 53.942  | 146.81 |

|    |        |        |         |         |        |         |         |
|----|--------|--------|---------|---------|--------|---------|---------|
| #1 | .04379 | .00028 | -.01780 | -.14337 | .00540 | -.00113 | -.00011 |
| #2 | .01344 | .00044 | -.00973 | -.14247 | .01035 | -.00252 | .00574  |

Sample Name: CCB04      Acquired: 11/30/2018 16:26:16      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00391 | -0.0054 | -0.00001 | F 4.5554 | F<.00000 |
| Stddev | .00012   | .0001   | .00011   | .0036    | .19818   |
| %RSD   | 3.1703   | 1.947   | 998.31   | .07837   | 51.470   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00400 | -0.0055 | -0.00009 | 4.5579 | -.52519 |
| #2 | -0.00382 | -0.0053 | .00007   | 4.5529 | -.24491 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3914.3 | 52716. | 3728.3 | 73.892 | 4373.7 |
| Stddev    | 3.5    | 18.    | 18.3   | .066   | 8.3    |
| %RSD      | .09024 | .03500 | .48992 | .08917 | .19038 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3911.8 | 52703. | 3741.2 | 73.845 | 4367.8 |
| #2 | 3916.8 | 52729. | 3715.4 | 73.939 | 4379.6 |

Sample Name: J6067-12      Acquired: 11/30/2018 16:30:19      Type: Unk  
Method: P4-ICP2(v2618)      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    | .23983 | -.06233 | .08889 | -.03873 | .03291 | F 2842.7 | 2.8565 |
| Stddev | .00875 | .00048  | .00016 | .01221  | .00180 | 48.0     | .0098  |
| %RSD   | 3.6483 | .76968  | .17446 | 31.517  | 5.4822 | 1.6896   | .34366 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .23364 | -.06199 | .08900 | -.04736 | .03163 | 2876.7 | 2.8496 |
| #2 | .24601 | -.06266 | .08878 | -.03010 | .03418 | 2808.8 | 2.8635 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00154 | .00070 | 143.42 | .00559 | .03510 | .31083 | 127.26 |
| Stddev | .00011 | .00034 | 1.63   | .00020 | .00070 | .00215 | .31    |
| %RSD   | 7.2670 | 48.544 | 1.1363 | 3.6634 | 1.9866 | .69121 | .24456 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00146 | .00095 | 142.26 | .00545 | .03559 | .30931 | 127.48 |
| #2 | .00162 | .00046 | 144.57 | .00573 | .03461 | .31234 | 127.04 |

|        |          |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576   | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 68.016 | 20.752 | .08206 | .01336 | 77.383 | .12547 | 1.1901 |
| Stddev | .483     | .030   | .00119 | .00027 | .397   | .00106 | .0051  |
| %RSD   | .70957   | .14404 | 1.4478 | 2.0073 | .51243 | .84488 | .43176 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 68.357 | 20.731 | .08122 | .01355 | 77.102 | .12622 | 1.1865 |
| #2 | 67.674 | 20.774 | .08290 | .01317 | 77.663 | .12473 | 1.1938 |

|        |        |         |        |          |          |        |        |
|--------|--------|---------|--------|----------|----------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      | ppm    | ppm    |
| Avg    | 6.5160 | -.00850 | .05134 | F 56.415 | F 97.456 | .01367 | .18506 |
| Stddev | .0617  | .00069  | .00298 | .016     | 1.381    | .00165 | .00417 |
| %RSD   | .94657 | 8.1209  | 5.7961 | .02841   | 1.4170   | 12.044 | 2.2538 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 6.4724 | -.00899 | .05344 | 56.403 | 96.480 | .01250 | .18211 |
| #2 | 6.5596 | -.00802 | .04923 | 56.426 | 98.433 | .01483 | .18801 |



Sample Name: J6067-12      Acquired: 11/30/2018 16:30:19      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .00877 | F 48.81 | .49983 | 5.0626 | F<.00000 |
| Stddev | .00046 | .05     | .00370 | .0979  | .37470   |
| %RSD   | 5.2152 | .1026   | .74111 | 1.9340 | 1.8428   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00845 | 48.78 | .49721 | 5.1318 | -20.598 |
| #2 | .00909 | 48.85 | .50244 | 4.9934 | -20.068 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3830.3 | 48013. | 4211.6 | 68.019 | 3178.8 |
| Stddev    | 13.7   | 118.   | 54.2   | .268   | 3.3    |
| %RSD      | .35738 | .24657 | 1.2880 | .39403 | .10513 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3840.0 | 47929. | 4249.9 | 68.209 | 3181.1 |
| #2 | 3820.7 | 48096. | 4173.2 | 67.830 | 3176.4 |

Sample Name: J6086-07      Acquired: 11/30/2018 16:34:31      Type: Unk  
Method: P4-ICP2(v2618)      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    | .21629 | -.06373 | .09935 | -.02570 | .03150 | F 2692.2 | 2.7612 |
| Stddev | .00241 | .00986  | .00454 | .01005  | .00608 | 3.6      | .0478  |
| %RSD   | 1.1138 | 15.475  | 4.5665 | 39.116  | 19.312 | .13323   | 1.7303 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .21799 | -.05676 | .09614 | -.01859 | .03580 | 2689.6 | 2.7950 |
| #2 | .21458 | -.07070 | .10256 | -.03281 | .02720 | 2694.7 | 2.7274 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00129 | .00048 | 148.41 | .00486 | .03299 | .30686 | 112.62 |
| Stddev | .00008 | .00024 | 3.13   | .00033 | .00014 | .00234 | 1.64   |
| %RSD   | 6.4570 | 49.477 | 2.1083 | 6.7019 | .43315 | .76307 | 1.4599 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00134 | .00031 | 150.63 | .00463 | .03309 | .30521 | 113.78 |
| #2 | .00123 | .00065 | 146.20 | .00509 | .03289 | .30852 | 111.45 |

|        |          |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576   | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 65.036 | 21.330 | .07882 | .01226 | 80.381 | .11131 | 1.1507 |
| Stddev | .002     | .209   | .00010 | .00077 | 1.376  | .00127 | .0146  |
| %RSD   | .00373   | .98206 | .12864 | 6.2455 | 1.7124 | 1.1409 | 1.2723 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 65.038 | 21.478 | .07875 | .01280 | 81.354 | .11221 | 1.1611 |
| #2 | 65.035 | 21.182 | .07889 | .01171 | 79.407 | .11041 | 1.1404 |

|        |        |         |        |          |          |        |        |
|--------|--------|---------|--------|----------|----------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      | ppm    | ppm    |
| Avg    | 6.9670 | -.00606 | .04646 | F 55.268 | F 91.162 | .01060 | .23346 |
| Stddev | .0968  | .00012  | .01778 | .062     | 1.221    | .00149 | .00372 |
| %RSD   | 1.3888 | 1.9461  | 38.258 | .11297   | 1.3395   | 14.059 | 1.5939 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 7.0354 | -.00614 | .03389 | 55.224 | 92.025 | .00955 | .23609 |
| #2 | 6.8986 | -.00597 | .05903 | 55.312 | 90.298 | .01165 | .23083 |

Sample Name: J6086-07      Acquired: 11/30/2018 16:34:31      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00701 | F 44.04 | .51432 | 5.5020 | F<.00000 |
| Stddev | .00129 | .12     | .01116 | .0521  | .22137   |
| %RSD   | 18.406 | .2634   | 2.1698 | .94698 | 1.2786   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00609 | 43.95 | .52221 | 5.4651 | -17.469 |
| #2 | .00792 | 44.12 | .50643 | 5.5388 | -17.156 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3768.8 | 47784. | 4155.9 | 66.814 | 3182.4 |
| Stddev    | 16.9   | 92.    | 54.6   | .811   | 5.7    |
| %RSD      | .44878 | .19342 | 1.3138 | 1.2139 | .17773 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3780.8 | 47849. | 4117.3 | 66.240 | 3186.4 |
| #2 | 3756.9 | 47719. | 4194.5 | 67.387 | 3178.4 |

Sample Name: J6097-01      Acquired: 11/30/2018 16:38:39      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00112 | .00124 | -.00152 | .00340 | -.00259 | .06437 | .00256 | .00001 |
| Stddev | .00069 | .00062 | .00051  | .00145 | .00107  | .00074 | .00032 | .00006 |
| %RSD   | 61.962 | 49.773 | 33.768  | 42.525 | 41.135  | 1.1461 | 12.635 | 432.70 |

|    |        |        |         |        |         |        |        |         |
|----|--------|--------|---------|--------|---------|--------|--------|---------|
| #1 | .00063 | .00168 | -.00188 | .00443 | -.00184 | .06489 | .00279 | .00006  |
| #2 | .00161 | .00081 | -.00115 | .00238 | -.00334 | .06384 | .00233 | -.00003 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00007 | .06940 | .04346 | .00026 | .00295 | .09612 | .00405 | -.04372 |
| Stddev | .00003 | .02668 | .00015 | .00011 | .00026 | .00405 | .00004 | .00225  |
| %RSD   | 45.916 | 38.442 | .33736 | 43.264 | 8.8909 | 4.2109 | 1.0021 | 5.1448  |

|    |        |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|--------|---------|
| #1 | .00009 | .05054 | .04356 | .00033 | .00277 | .09325 | .00408 | -.04531 |
| #2 | .00005 | .08827 | .04335 | .00018 | .00314 | .09898 | .00402 | -.04213 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01386 | -.00009 | .16256 | -.00039 | .03591 | .02505 | .00021 | .07230 |
| Stddev | .00028 | .00043  | .00877 | .00008  | .00052 | .02194 | .00013 | .01120 |
| %RSD   | 2.0066 | 492.69  | 5.3939 | 19.769  | 1.4539 | 87.562 | 61.186 | 15.492 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .01366 | .00022  | .16876 | -.00045 | .03628 | .04056 | .00030 | .08022 |
| #2 | .01406 | -.00039 | .15636 | -.00034 | .03554 | .00954 | .00012 | .06438 |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.13102 | 1.7967 | -.00219 | .00262 | -.00877 | -.0023 | .00002 | 3.6066 |
| Stddev | .00459  | .0310  | .00032  | .00170 | .00286  | .0022  | .00004 | .1389  |
| %RSD   | 3.5007  | 1.7260 | 14.587  | 64.946 | 32.561  | 98.10  | 146.59 | 3.8497 |

|    |         |        |         |        |         |        |         |        |
|----|---------|--------|---------|--------|---------|--------|---------|--------|
| #1 | -.12778 | 1.8187 | -.00242 | .00383 | -.00675 | -.0007 | -.00000 | 3.7048 |
| #2 | -.13426 | 1.7748 | -.00196 | .00142 | -.01079 | -.0038 | .00005  | 3.5084 |

Sample Name: J6097-01      Acquired: 11/30/2018 16:38:39      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      .50435  
 %RSD      50.981

#1      -.63266  
 #2      -1.3459

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4114.3 | 55971. | 3993.3 | 79.144 | 4657.1 |
| Stddev    | 48.1   | 185.   | 56.4   | .847   | 45.4   |
| %RSD      | 1.1699 | .33033 | 1.4112 | 1.0701 | .97554 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4080.3 | 55840. | 3953.5 | 78.545 | 4624.9 |
| #2 | 4148.4 | 56101. | 4033.1 | 79.743 | 4689.2 |

Sample Name: J6097-01DUP      Acquired: 11/30/2018 16:42:44      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00109 | -.00002 | -.00056 | .00282 | -.00262 | .04215 | .00155 | -.00001 |
| Stddev | .00079 | .00035  | .00007  | .00304 | .00129  | .00072 | .00019 | .00004  |
| %RSD   | 72.267 | 2134.4  | 13.376  | 107.59 | 49.468  | 1.7112 | 12.022 | 754.51  |

|    |        |         |         |        |         |        |        |         |
|----|--------|---------|---------|--------|---------|--------|--------|---------|
| #1 | .00164 | .00023  | -.00051 | .00497 | -.00353 | .04266 | .00168 | -.00003 |
| #2 | .00053 | -.00027 | -.00061 | .00068 | -.00170 | .04164 | .00142 | .00002  |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00011 | .05378 | .03675 | .00019 | .00286 | .08055 | .00300 | -.05376 |
| Stddev | .00003 | .02630 | .00126 | .00006 | .00039 | .00206 | .00009 | .07196  |
| %RSD   | 28.436 | 48.907 | 3.4275 | 30.665 | 13.709 | 2.5585 | 2.8826 | 133.86  |

|    |        |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|--------|---------|
| #1 | .00009 | .07237 | .03586 | .00015 | .00258 | .08200 | .00294 | -.10465 |
| #2 | .00013 | .03518 | .03764 | .00024 | .00314 | .07909 | .00306 | -.00288 |

|        |        |         |        |         |        |         |        |        |
|--------|--------|---------|--------|---------|--------|---------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664  | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .01178 | -.00000 | .18246 | -.00008 | .03714 | -.00873 | .00037 | .07049 |
| Stddev | .00041 | .00057  | .00917 | .00046  | .00024 | .00650  | .00002 | .01735 |
| %RSD   | 3.4980 | 18902.  | 5.0272 | 585.90  | .65409 | 74.494  | 6.1855 | 24.611 |

|    |        |         |        |         |        |         |        |        |
|----|--------|---------|--------|---------|--------|---------|--------|--------|
| #1 | .01207 | .00040  | .18895 | .00025  | .03697 | -.01333 | .00036 | .05823 |
| #2 | .01149 | -.00040 | .17598 | -.00041 | .03731 | -.00413 | .00039 | .08276 |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.13978 | 1.8061 | -.00151 | .00254 | -.01056 | -.0014 | .00010 | 3.5108 |
| Stddev | .00484  | .0086  | .00009  | .00180 | .00013  | .0006  | .00004 | .2586  |
| %RSD   | 3.4629  | .47881 | 5.7105  | 70.817 | 1.2305  | 42.78  | 43.392 | 7.3663 |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | -.13636 | 1.8122 | -.00157 | .00381 | -.01065 | -.0019 | .00013 | 3.3279 |
| #2 | -.14320 | 1.8000 | -.00145 | .00127 | -.01047 | -.0010 | .00007 | 3.6936 |

Sample Name: J6097-01DUP      Acquired: 11/30/2018 16:42:44      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .89809  
%RSD      97.804

#1      -1.5533  
#2      -.28321

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4116.5 | 56084. | 3964.9 | 78.515 | 4648.2 |
| Stddev    | 10.8   | 973.   | 15.8   | .738   | 6.2    |
| %RSD      | .26246 | 1.7356 | .39941 | .93949 | .13285 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4108.9 | 56772. | 3953.7 | 79.036 | 4643.8 |
| #2 | 4124.2 | 55395. | 3976.1 | 77.993 | 4652.6 |

Sample Name: J6097-01LX5      Acquired: 11/30/2018 16:46:49      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00146 | .00019 | -.00000 | -.00056 | -.00190 | .01137 | .00278 | .00001 |
| Stddev | .00129 | .00080 | .00083  | .00207  | .00040  | .00171 | .00130 | .00006 |
| %RSD   | 88.309 | 424.72 | 214010. | 368.85  | 21.187  | 15.076 | 46.822 | 505.96 |

|    |        |         |         |         |         |        |        |         |
|----|--------|---------|---------|---------|---------|--------|--------|---------|
| #1 | .00237 | -.00038 | .00058  | .00090  | -.00218 | .01016 | .00186 | -.00003 |
| #2 | .00055 | .00076  | -.00058 | -.00203 | -.00161 | .01258 | .00369 | .00005  |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00009 | .01331 | .00775 | -.00003 | .00053 | .01281 | .00110 | .03551 |
| Stddev | .00003 | .00162 | .00022 | .00017  | .00010 | .00119 | .00005 | .05626 |
| %RSD   | 28.769 | 12.141 | 2.8736 | 569.19  | 19.013 | 9.2948 | 4.9213 | 158.42 |

|    |        |        |        |         |        |        |        |         |
|----|--------|--------|--------|---------|--------|--------|--------|---------|
| #1 | .00011 | .01446 | .00791 | .00009  | .00046 | .01197 | .00106 | -.00427 |
| #2 | .00007 | .01217 | .00760 | -.00015 | .00060 | .01365 | .00113 | .07529  |

|        |        |        |         |        |        |        |         |        |
|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00230 | .00061 | -.00836 | .00000 | .00746 | .02781 | -.00009 | .01419 |
| Stddev | .00048 | .00021 | .00514  | .00037 | .00025 | .03810 | .00010  | .00091 |
| %RSD   | 21.094 | 34.624 | 61.491  | 12698. | 3.3881 | 137.01 | 115.23  | 6.4019 |

|    |        |        |         |         |        |        |         |        |
|----|--------|--------|---------|---------|--------|--------|---------|--------|
| #1 | .00195 | .00076 | -.00473 | -.00026 | .00764 | .00087 | -.00002 | .01483 |
| #2 | .00264 | .00046 | -.01200 | .00026  | .00728 | .05476 | -.00016 | .01355 |

|        |         |        |         |        |         |        |         |        |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.13299 | .39046 | -.00234 | .00464 | -.00813 | -.0046 | -.00004 | 4.4393 |
| Stddev | .00474  | .00256 | .00078  | .00126 | .00018  | .0000  | .00017  | .0682  |
| %RSD   | 3.5620  | .65653 | 33.338  | 27.190 | 2.1777  | .4484  | 439.39  | 1.5366 |

|    |         |        |         |        |         |        |         |        |
|----|---------|--------|---------|--------|---------|--------|---------|--------|
| #1 | -.12964 | .39227 | -.00179 | .00375 | -.00801 | -.0046 | .00008  | 4.4875 |
| #2 | -.13634 | .38865 | -.00289 | .00553 | -.00826 | -.0046 | -.00016 | 4.3910 |



Sample Name: J6097-01LX5      Acquired: 11/30/2018 16:46:49      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | .21688  |
| %RSD   | 56.292  |

|    |         |
|----|---------|
| #1 | -.53864 |
| #2 | -.23192 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3938.4 | 53191. | 3761.0 | 72.948 | 4410.5 |
| Stddev    | 6.2    | 49.    | 29.3   | 1.183  | 8.1    |
| %RSD      | .15843 | .09305 | .77897 | 1.6214 | .18258 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3934.0 | 53156. | 3740.3 | 72.111 | 4416.2 |
| #2 | 3942.8 | 53226. | 3781.7 | 73.784 | 4404.8 |

Sample Name: J6097-01MS      Acquired: 11/30/2018 16:50:55      Type: Unk  
Method: P4-ICP2(v2618)      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    | .82498 | 1.9414 | .96319 | 1.9816 | .86176 | 2.0645 | .21707 |
| Stddev | .00616 | .0024  | .00126 | .0025  | .00140 | .0346  | .00014 |
| %RSD   | .74626 | .12397 | .13085 | .12599 | .16275 | 1.6772 | .06311 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82933 | 1.9431 | .96408 | 1.9798 | .86276 | 2.0400 | .21717 |
| #2 | .82062 | 1.9397 | .96230 | 1.9833 | .86077 | 2.0889 | .21697 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20286 | .18768 | 1.1554 | .41945 | .20080 | .33144 | 2.8435 |
| Stddev | .00173 | .00045 | .0138  | .00241 | .00076 | .00144 | .1085  |
| %RSD   | .85232 | .23843 | 1.1930 | .57496 | .37741 | .43587 | 3.8138 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20164 | .18799 | 1.1456 | .41775 | .20134 | .33246 | 2.9202 |
| #2 | .20408 | .18736 | 1.1651 | .42116 | .20026 | .33042 | 2.7669 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21530 | 1.9919 | .47725 | .07015 | 2.9674 | .28138 | .24578 |
| Stddev | .00165 | .0862  | .00164 | .00016 | .0170  | .00282 | .00973 |
| %RSD   | .76663 | 4.3293 | .34360 | .22661 | .57426 | 1.0029 | 3.9596 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21413 | 2.0528 | .47841 | .07004 | 2.9794 | .27938 | .25266 |
| #2 | .21646 | 1.9309 | .47609 | .07026 | 2.9553 | .28337 | .23889 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.6225 | .40582 | .35119 | -.14706 | 2.6608 | .62416 | .20340 |
| Stddev | .0228  | .00171 | .00081 | .00261  | .0006  | .00252 | .00057 |
| %RSD   | .23734 | .42051 | .23152 | 1.7733  | .02183 | .40371 | .28038 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.6063 | .40703 | .35176 | -.14890 | 2.6604 | .62594 | .20300 |
| #2 | 9.6386 | .40461 | .35061 | -.14522 | 2.6612 | .62238 | .20380 |

Sample Name: J6097-01MS      Acquired: 11/30/2018 16:50:55      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .20248 | 5.201  | .22239 | 4.1563 | F<.00000 |
| Stddev | .00173 | .007   | .00009 | .1119  | .26722   |
| %RSD   | .85557 | .1334  | .03824 | 2.6914 | 11.137   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20125 | 5.206 | .22245 | 4.0772 | -2.2104 |
| #2 | .20370 | 5.196 | .22233 | 4.2354 | -2.5883 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4040.4 | 54728. | 3881.6 | 78.034 | 4452.9 |
| Stddev    | 18.1   | 411.   | 10.8   | 3.070  | 20.0   |
| %RSD      | .44888 | .75106 | .27839 | 3.9335 | .44837 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4027.6 | 55019. | 3873.9 | 75.864 | 4438.8 |
| #2 | 4053.2 | 54437. | 3889.2 | 80.205 | 4467.0 |

Sample Name: J6097-01MSD      Acquired: 11/30/2018 16:59:00      Type: Unk  
Method: P4-ICP2(v2618)      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    | .82019 | 1.9186 | .95099 | 1.9710 | .85219 | 2.0395 | .21531 |
| Stddev | .00274 | .0009  | .00010 | .0001  | .00374 | .0640  | .00052 |
| %RSD   | .33400 | .04657 | .01042 | .00304 | .43927 | 3.1374 | .24314 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81825 | 1.9192 | .95092 | 1.9711 | .85483 | 1.9942 | .21568 |
| #2 | .82213 | 1.9180 | .95106 | 1.9710 | .84954 | 2.0847 | .21494 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19906 | .18567 | 1.1493 | .41228 | .19896 | .32903 | 2.8271 |
| Stddev | .00623 | .00005 | .0290  | .01043 | .00002 | .00105 | .0323  |
| %RSD   | 3.1298 | .02717 | 2.5252 | 2.5303 | .01108 | .31792 | 1.1413 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19466 | .18563 | 1.1288 | .40490 | .19894 | .32829 | 2.8499 |
| #2 | .20347 | .18570 | 1.1699 | .41966 | .19897 | .32977 | 2.8043 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21088 | 1.9581 | .47316 | .06874 | 2.9886 | .27508 | .24366 |
| Stddev | .00584 | .0049  | .00078 | .00178 | .0146  | .00735 | .00683 |
| %RSD   | 2.7673 | .25140 | .16413 | 2.5954 | .48833 | 2.6719 | 2.8042 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20676 | 1.9616 | .47261 | .06748 | 2.9990 | .26988 | .24849 |
| #2 | .21501 | 1.9546 | .47370 | .07000 | 2.9783 | .28027 | .23883 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.5632 | .40232 | .36483 | -.14678 | 2.6359 | .61415 | .20091 |
| Stddev | .0183  | .00048 | .00294 | .00338  | .0116  | .00043 | .00037 |
| %RSD   | .19096 | .11946 | .80687 | 2.3014  | .44074 | .06991 | .18448 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.5761 | .40266 | .36691 | -.14439 | 2.6441 | .61385 | .20117 |
| #2 | 9.5503 | .40198 | .36274 | -.14917 | 2.6276 | .61446 | .20065 |

Sample Name: J6097-01MSD      Acquired: 11/30/2018 16:59:00      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .19946 | 5.140  | .22013 | 3.8856 | F<.00000 |
| Stddev | .00234 | .008   | .00116 | .2727  | .40406   |
| %RSD   | 1.1714 | .1504  | .52811 | 7.0178 | 19.245   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20111 | 5.134 | .22095 | 3.6927 | -1.8138 |
| #2 | .19781 | 5.145 | .21930 | 4.0784 | -2.3853 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4072.6 | 55610. | 3910.2 | 78.524 | 4496.8 |
| Stddev    | 9.4    | 1111.  | 56.8   | 2.284  | .3     |
| %RSD      | .23184 | 1.9979 | 1.4518 | 2.9082 | .00691 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4065.9 | 56395. | 3870.0 | 76.909 | 4496.6 |
| #2 | 4079.3 | 54824. | 3950.3 | 80.139 | 4497.0 |

Sample Name: J6097-01A      Acquired: 11/30/2018 17:02:51      Type: Unk  
Method: P4-ICP2(v2618)      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    | .81379 | 1.9196 | .95108 | 1.9624 | .85108 | 2.0436 | .21277 |
| Stddev | .00136 | .0062  | .00134 | .0051  | .00008 | .0164  | .00307 |
| %RSD   | .16685 | .32478 | .14046 | .26022 | .00943 | .80506 | 1.4425 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81283 | 1.9240 | .95203 | 1.9588 | .85102 | 2.0552 | .21494 |
| #2 | .81475 | 1.9152 | .95014 | 1.9660 | .85114 | 2.0319 | .21060 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20060 | .18506 | 1.1136 | .41458 | .19817 | .32762 | 2.8715 |
| Stddev | .00075 | .00021 | .0385  | .00107 | .00000 | .00091 | .0916  |
| %RSD   | .37416 | .11572 | 3.4543 | .25791 | .00221 | .27659 | 3.1902 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20113 | .18521 | 1.1408 | .41533 | .19816 | .32698 | 2.9363 |
| #2 | .20007 | .18491 | 1.0864 | .41382 | .19817 | .32826 | 2.8067 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21294 | 1.9800 | .47008 | .06910 | 2.9878 | .27776 | .24780 |
| Stddev | .00025 | .1019  | .00093 | .00039 | .0332  | .00135 | .00649 |
| %RSD   | .11755 | 5.1452 | .19777 | .55843 | 1.1110 | .48429 | 2.6210 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21276 | 2.0520 | .47074 | .06937 | 3.0113 | .27871 | .25239 |
| #2 | .21312 | 1.9079 | .46943 | .06883 | 2.9643 | .27681 | .24320 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.4609 | .40226 | .36235 | -.14686 | 2.5974 | .61395 | .20012 |
| Stddev | .1349  | .00024 | .00494 | .00068  | .0157  | .00445 | .00128 |
| %RSD   | 1.4258 | .06055 | 1.3641 | .46516  | .60554 | .72461 | .64064 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.5563 | .40208 | .35885 | -.14734 | 2.6085 | .61710 | .19922 |
| #2 | 9.3655 | .40243 | .36584 | -.14638 | 2.5863 | .61081 | .20103 |

Sample Name: J6097-01A      Acquired: 11/30/2018 17:02:51      Type: Unk  
Method: P4-ICP2(v2618)      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    | .19880 | 5.140  | .21761 | 4.0075 | F<.00000 |
| Stddev | .00218 | .007   | .00276 | .0809  | .12070   |
| %RSD   | 1.0948 | .1447  | 1.2682 | 2.0184 | 4.9826   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20034 | 5.145 | .21956 | 4.0647 | -2.5078 |
| #2 | .19726 | 5.135 | .21566 | 3.9503 | -2.3371 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4071.6 | 55015. | 3937.9 | 76.933 | 4489.1 |
| Stddev    | 3.7    | 183.   | 38.6   | 2.010  | 10.2   |
| %RSD      | .09136 | .33224 | .98066 | 2.6132 | .22707 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4074.3 | 54886. | 3910.6 | 75.511 | 4481.9 |
| #2 | 4069.0 | 55144. | 3965.2 | 78.355 | 4496.3 |

Sample Name: J6120-07      Acquired: 11/30/2018 17:06:42      Type: Unk  
Method: P4-ICP2(v2618)      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    | .21232 | -.06280 | .10421 | -.03788 | .03206 | F 2572.4 | 2.5261 |
| Stddev | .01041 | .00295  | .00100 | .01218  | .00147 | 32.0     | .0136  |
| %RSD   | 4.9042 | 4.6933  | .95511 | 32.154  | 4.5878 | 1.2445   | .53832 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .21969 | -.06072 | .10492 | -.04649 | .03310 | 2549.7 | 2.5358 |
| #2 | .20496 | -.06489 | .10351 | -.02926 | .03102 | 2595.0 | 2.5165 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00145 | .00080 | 143.10 | .00740 | .03012 | .29250 | 110.31 |
| Stddev | .00001 | .00010 | .26    | .00024 | .00002 | .00119 | .53    |
| %RSD   | .77023 | 13.025 | .18462 | 3.2582 | .08134 | .40626 | .48031 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00146 | .00087 | 143.29 | .00723 | .03013 | .29334 | 109.94 |
| #2 | .00144 | .00073 | 142.92 | .00757 | .03010 | .29166 | 110.69 |

|        |          |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576   | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 62.277 | 21.099 | .07342 | .01111 | 78.843 | .11179 | 1.0777 |
| Stddev | .948     | .004   | .00130 | .00054 | .455   | .00263 | .0056  |
| %RSD   | 1.5226   | .02054 | 1.7656 | 4.8569 | .57760 | 2.3566 | .51835 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 61.606 | 21.102 | .07434 | .01149 | 79.165 | .10993 | 1.0737 |
| #2 | 62.947 | 21.096 | .07250 | .01073 | 78.521 | .11366 | 1.0816 |

|        |        |         |        |          |          |        |        |
|--------|--------|---------|--------|----------|----------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      | ppm    | ppm    |
| Avg    | 7.3770 | -.00535 | .05070 | F 56.661 | F 91.202 | .00936 | .28444 |
| Stddev | .0092  | .00000  | .00811 | .109     | .446     | .00117 | .00405 |
| %RSD   | .12418 | .07674  | 15.995 | .19182   | .48942   | 12.515 | 1.4238 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 7.3835 | -.00535 | .04496 | 56.738 | 91.518 | .00853 | .28730 |
| #2 | 7.3705 | -.00535 | .05643 | 56.584 | 90.887 | .01019 | .28157 |



Sample Name: J6120-07      Acquired: 11/30/2018 17:06:42      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .00777 | F 43.55 | .51345 | 5.6022 | F<.00000 |
| Stddev | .00222 | .07     | .00375 | .1943  | .03703   |
| %RSD   | 28.538 | .1668   | .73038 | 3.4675 | .20760   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00933 | 43.60 | .51611 | 5.4649 | -17.862 |
| #2 | .00620 | 43.50 | .51080 | 5.7396 | -17.809 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3843.3 | 47231. | 4128.7 | 68.146 | 3216.1 |
| Stddev    | 18.0   | 950.   | 25.1   | .333   | 14.3   |
| %RSD      | .46893 | 2.0111 | .60791 | .48896 | .44562 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3830.5 | 47902. | 4111.0 | 68.381 | 3206.0 |
| #2 | 3856.0 | 46559. | 4146.5 | 67.910 | 3226.2 |

Sample Name: J6084-02      Acquired: 11/30/2018 17:10:49      Type: Unk  
Method: P4-ICP2(v2618)      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    | .01769 | -.00131  | .02093  | .00393 | .00559 | .52489 | .02725 | .00006 |
| Stddev | .00050 | .00090   | .00066  | .00260 | .00146 | .00393 | .00035 | .00002 |
| %RSD   | 2.8034 | 68.175   | 3.1753  | 66.203 | 26.169 | .74805 | 1.2813 | 26.168 |
| #1     | .01804 | -.00068  | .02140  | .00577 | .00456 | .52766 | .02750 | .00005 |
| #2     | .01734 | -.00195  | .02046  | .00209 | .00663 | .52211 | .02701 | .00008 |
| Elem   | Cd2265 | Ca3736   | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00014 | 3.7647   | .06637  | .00030 | .02539 | .49471 | .01738 | .96727 |
| Stddev | .00015 | .0082    | .00131  | .00012 | .00018 | .02787 | .00041 | .01858 |
| %RSD   | 105.58 | .21812   | 1.9756  | 41.767 | .69421 | 5.6336 | 2.3790 | 1.9205 |
| #1     | .00025 | 3.7706   | .06730  | .00039 | .02551 | .47500 | .01767 | .95414 |
| #2     | .00004 | 3.7589   | .06545  | .00021 | .02526 | .51441 | .01709 | .98041 |
| Elem   | Ni2316 | Ag3280   | Na5895  | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00624 | .00038   | 236.85  | .04537 | .05747 | 5.0020 | .00052 | .06196 |
| Stddev | .00025 | .00019   | 3.63    | .00121 | .00068 | .0137  | .00009 | .00499 |
| %RSD   | 4.0438 | 49.157   | 1.5310  | 2.6732 | 1.1753 | .27321 | 16.717 | 8.0561 |
| #1     | .00641 | .00051   | 239.42  | .04623 | .05699 | 5.0117 | .00046 | .06549 |
| #2     | .00606 | .00025   | 234.29  | .04451 | .05795 | 4.9924 | .00058 | .05843 |
| Elem   | S_1820 | Si2881   | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.8092 | F 50.154 | -.00340 | .02163 | .02748 | 1.052  | .03208 | 5.7456 |
| Stddev | .0215  | .476     | .00019  | .00061 | .00035 | .005   | .00009 | .0247  |
| %RSD   | .27581 | .94858   | 5.4429  | 2.8312 | 1.2889 | .4456  | .26810 | .43056 |
| #1     | 7.8244 | 50.490   | -.00327 | .02206 | .02723 | 1.055  | .03214 | 5.7631 |
| #2     | 7.7939 | 49.817   | -.00353 | .02119 | .02773 | 1.048  | .03202 | 5.7281 |

Sample Name: J6084-02      Acquired: 11/30/2018 17:10:49      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.0756  
Stddev      .1267  
%RSD      11.776

#1      .98601  
#2      1.1651

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3718.0 | 48298. | 3767.2 | 71.890 | 3787.9 |
| Stddev    | 12.1   | 679.   | 45.9   | 1.072  | 10.9   |
| %RSD      | .32529 | 1.4049 | 1.2192 | 1.4910 | .28646 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3709.4 | 47818. | 3734.7 | 72.648 | 3780.3 |
| #2 | 3726.5 | 48777. | 3799.7 | 71.132 | 3795.6 |

Sample Name: CCV05      Acquired: 11/30/2018 17:14:56      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1566 | 4.7660 | 4.8445 | 4.8984 | 5.1995 | 10.124 | 10.039 | .24565 |
| Stddev | .0028  | .0056  | .0010  | .0170  | .0043  | .158   | .062   | .00558 |
| %RSD   | .05408 | .11864 | .02137 | .34687 | .08199 | 1.5567 | .61374 | 2.2712 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.1546 | 4.7700 | 4.8452 | 4.9104 | 5.2025 | 10.235 | 10.083 | .24959 |
| #2 | 5.1586 | 4.7620 | 4.8438 | 4.8864 | 5.1965 | 10.012 | 9.9955 | .24170 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4129 | 25.731 | .99184 | 2.4806 | 1.2383 | 4.6950 | 2.4787 | 23.431 |
| Stddev | .0014  | .045   | .01503 | .0002  | .0024  | .0471  | .0498  | .203   |
| %RSD   | .05785 | .17397 | 1.5151 | .00634 | .19179 | 1.0038 | 2.0071 | .86562 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4139 | 25.763 | 1.0025 | 2.4805 | 1.2399 | 4.7283 | 2.5139 | 23.575 |
| #2 | 2.4119 | 25.700 | .98122 | 2.4807 | 1.2366 | 4.6617 | 2.4435 | 23.288 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3518 | 1.1692 | 23.892 | 2.2544 | 2.5987 | 22.725 | 4.7343 | 4.7147 |
| Stddev | .0034  | .0259  | .167   | .0475  | .0473  | .137   | .0043  | .0313  |
| %RSD   | .14418 | 2.2156 | .69818 | 2.1070 | 1.8218 | .60404 | .09054 | .66366 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3542 | 1.1875 | 24.010 | 2.2880 | 2.6322 | 22.822 | 4.7373 | 4.7368 |
| #2 | 2.3494 | 1.1509 | 23.774 | 2.2209 | 2.5652 | 22.628 | 4.7312 | 4.6926 |

|        |          |        |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 4.4795 | 4.6530 | 4.5191 | 4.8823 | 4.9483 | 4.733  | 5.2479 | 5.2671 |
| Stddev | .0090    | .0168  | .0033  | .0206  | .0307  | .001   | .0298  | .1860  |
| %RSD   | .20071   | .36116 | .07306 | .42254 | .61931 | .0117  | .56830 | 3.5312 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 4.4858 | 4.6649 | 4.5167 | 4.8969 | 4.9700 | 4.733 | 5.2690 | 5.3986 |
| #2 | 4.4731 | 4.6411 | 4.5214 | 4.8677 | 4.9267 | 4.733 | 5.2268 | 5.1356 |

Sample Name: CCV05      Acquired: 11/30/2018 17:14:56      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.0600  
Stddev      .3253  
%RSD      15.794

#1      2.2900  
#2      1.8299

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3759.8 | 50672. | 3719.2 | 69.591 | 3816.6 |
| Stddev    | 1.2    | 859.   | 23.8   | 1.281  | 1.4    |
| %RSD      | .03071 | 1.6956 | .64002 | 1.8409 | .03555 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3759.0 | 50064. | 3702.4 | 68.685 | 3817.6 |
| #2 | 3760.6 | 51279. | 3736.0 | 70.497 | 3815.7 |

Sample Name: CCB05      Acquired: 11/30/2018 17:18:41      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00004 | .00163 | .00242 | .00063 | -.00187 | .01792 | .00217 |
| Stddev | .00257 | .00011 | .00125 | .00296 | .00057  | .00081 | .00003 |
| %RSD   | 6492.4 | 7.0010 | 51.540 | 469.51 | 30.413  | 4.5273 | 1.3337 |

|    |         |        |        |         |         |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|
| #1 | -.00178 | .00171 | .00330 | -.00146 | -.00146 | .01734 | .00219 |
| #2 | .00186  | .00155 | .00154 | .00272  | -.00227 | .01849 | .00215 |

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00002 | .00003 | .00834 | -.00001 | .00001 | .00006 | .00371 |
| Stddev | .00001  | .00006 | .00259 | .00018  | .00009 | .00009 | .00863 |
| %RSD   | 91.005  | 205.39 | 31.119 | 3031.0  | 662.89 | 167.85 | 232.70 |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00002 | -.00001 | .00650 | .00012  | .00008  | -.00001 | -.00239 |
| #2 | -.00001 | .00007  | .01017 | -.00013 | -.00005 | .00012  | .00981  |

|        |        |         |        |        |         |         |         |
|--------|--------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00028 | -.06761 | .00002 | .00038 | -.06201 | -.00036 | -.00068 |
| Stddev | .00008 | .01841  | .00008 | .00063 | .01310  | .00005  | .00004  |
| %RSD   | 27.585 | 27.231  | 444.76 | 164.37 | 21.118  | 13.240  | 6.1347  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00034 | -.05459 | .00007  | .00083  | -.07127 | -.00033 | -.00065 |
| #2 | .00023 | -.08063 | -.00004 | -.00006 | -.05275 | -.00039 | -.00071 |

|        |        |        |         |           |        |         |        |
|--------|--------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .02577 | .00046 | -.01961 | F -.14780 | .00809 | -.00150 | .00206 |
| Stddev | .00819 | .00032 | .00294  | .00298    | .00123 | .00137  | .00185 |
| %RSD   | 31.783 | 69.197 | 14.995  | 2.0168    | 15.196 | 91.361  | 89.940 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .01998 | .00024 | -.01753 | -.14569 | .00722 | -.00053 | .00337 |
| #2 | .03157 | .00069 | -.02169 | -.14991 | .00896 | -.00248 | .00075 |

Sample Name: CCB05      Acquired: 11/30/2018 17:18:41      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00595 | -0.0054 | -0.00002 | F 4.3300 | F<.00000 |
| Stddev | .00002   | .0001   | .00012   | .1411    | .37524   |
| %RSD   | .35152   | 2.369   | 643.07   | 3.2589   | 37.445   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00594 | -0.0055 | .00007   | 4.4298 | -.73678 |
| #2 | -0.00597 | -0.0053 | -0.00011 | 4.2302 | -1.2674 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3929.1 | 52904. | 3750.7 | 73.540 | 4402.8 |
| Stddev    | 4.3    | 304.   | 19.9   | .670   | 13.0   |
| %RSD      | .10888 | .57407 | .52951 | .91127 | .29611 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3926.0 | 52689. | 3736.6 | 73.066 | 4393.5 |
| #2 | 3932.1 | 53119. | 3764.7 | 74.014 | 4412.0 |

Sample Name: J6037-01      Acquired: 11/30/2018 17:22:45      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .00046 | .00145 | .00313 | .00268 | -.00207 | .03532 | .00446 | .00002 |
| Stddev | .00045 | .00017 | .00066 | .00032 | .00072  | .00409 | .00093 | .00001 |
| %RSD   | 97.349 | 11.514 | 21.086 | 11.803 | 34.919  | 11.568 | 20.953 | 41.496 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00014 | .00157 | .00266 | .00245 | -.00258 | .03243 | .00512 | .00002 |
| #2 | .00078 | .00133 | .00359 | .00290 | -.00156 | .03820 | .00380 | .00003 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00012 | .15867 | .00270 | .00000 | .00340 | .09364 | .00302 | .01129 |
| Stddev | .00002 | .00309 | .00011 | .00003 | .00065 | .00836 | .00000 | .00092 |
| %RSD   | 13.865 | 1.9483 | 3.9286 | 553.08 | 19.264 | 8.9259 | .09870 | 8.1290 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00011 | .15648 | .00262 | -.00001 | .00386 | .09955 | .00302 | .01194 |
| #2 | .00013 | .16085 | .00277 | .00002  | .00293 | .08773 | .00302 | .01064 |

|        |        |        |        |         |        |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00237 | .00053 | .01496 | -.00025 | .05476 | .06341 | .00005 | -.00349 |
| Stddev | .00004 | .00002 | .01421 | .00029  | .00032 | .01531 | .00016 | .00433  |
| %RSD   | 1.5556 | 3.8742 | 95.023 | 117.99  | .59203 | 24.144 | 356.25 | 124.16  |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | .00239 | .00054 | .02500 | -.00045 | .05499 | .05259 | -.00007 | -.00043 |
| #2 | .00234 | .00051 | .00491 | -.00004 | .05453 | .07424 | .00016  | -.00655 |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.09030 | 3.7929 | -.00208 | .00314 | -.01099 | .0008  | .00017 | 3.6920 |
| Stddev | .00087  | .0314  | .00047  | .00057 | .00034  | .0004  | .00005 | .0770  |
| %RSD   | .96820  | .82850 | 22.320  | 18.125 | 3.0825  | 50.21  | 27.942 | 2.0848 |

|    |         |        |         |        |         |       |        |        |
|----|---------|--------|---------|--------|---------|-------|--------|--------|
| #1 | -.08968 | 3.8151 | -.00175 | .00274 | -.01123 | .0010 | .00013 | 3.7465 |
| #2 | -.09092 | 3.7707 | -.00241 | .00354 | -.01075 | .0005 | .00020 | 3.6376 |



Sample Name: J6037-01      Acquired: 11/30/2018 17:22:45      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .22751  
%RSD      45.882

#1      -.65673  
#2      -.33499

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4170.9 | 56142. | 3962.0 | 78.401 | 4721.3 |
| Stddev    | 3.8    | 134.   | 8.5    | .371   | 1.2    |
| %RSD      | .09133 | .23815 | .21482 | .47350 | .02611 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4168.2 | 56048. | 3955.9 | 78.139 | 4720.4 |
| #2 | 4173.6 | 56237. | 3968.0 | 78.664 | 4722.1 |

Sample Name: J6037-01DUP      Acquired: 11/30/2018 17:26:47      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00069 | .00056 | .00143 | .00199 | -.00144 | .02808 | .00311 | .00005 |
| Stddev | .00198 | .00113 | .00044 | .00406 | .00023  | .00925 | .00037 | .00001 |
| %RSD   | 284.33 | 200.83 | 30.764 | 203.42 | 16.294  | 32.927 | 11.751 | 11.618 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00209  | .00136  | .00174 | -.00087 | -.00127 | .03462 | .00337 | .00005 |
| #2 | -.00070 | -.00024 | .00112 | .00486  | -.00160 | .02155 | .00285 | .00004 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00004 | .15183 | .00176 | .00016 | .00338 | .08235 | .00298 | .06418 |
| Stddev | .00001 | .00276 | .00055 | .00009 | .00011 | .00239 | .00003 | .05034 |
| %RSD   | 37.796 | 1.8208 | 31.411 | 54.260 | 3.2513 | 2.9030 | .89973 | 78.432 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00003 | .14988 | .00137 | .00022 | .00346 | .08066 | .00296 | .09978 |
| #2 | .00005 | .15379 | .00215 | .00010 | .00330 | .08404 | .00300 | .02859 |

|        |        |        |        |         |        |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00233 | .00003 | .06776 | -.00028 | .05427 | .09403 | .00017 | -.01391 |
| Stddev | .00007 | .00038 | .00594 | .00010  | .00072 | .04282 | .00002 | .00441  |
| %RSD   | 2.8095 | 1258.2 | 8.7701 | 35.861  | 1.3213 | 45.538 | 13.711 | 31.677  |

|    |        |         |        |         |        |        |        |         |
|----|--------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00229 | -.00024 | .07196 | -.00021 | .05376 | .12431 | .00015 | -.01702 |
| #2 | .00238 | .00030  | .06356 | -.00035 | .05478 | .06375 | .00018 | -.01079 |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.09425 | 3.7513 | -.00227 | .00332 | -.00856 | .0005  | .00021 | 3.2398 |
| Stddev | .00127  | .0127  | .00017  | .00224 | .00043  | .0001  | .00000 | .0173  |
| %RSD   | 1.3443  | .33710 | 7.5326  | 67.447 | 5.0724  | 21.94  | .12132 | .53478 |

|    |         |        |         |        |         |       |        |        |
|----|---------|--------|---------|--------|---------|-------|--------|--------|
| #1 | -.09336 | 3.7424 | -.00239 | .00491 | -.00887 | .0006 | .00021 | 3.2275 |
| #2 | -.09515 | 3.7603 | -.00215 | .00174 | -.00826 | .0004 | .00021 | 3.2520 |

Sample Name: J6037-01DUP      Acquired: 11/30/2018 17:26:47      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .32887  
%RSD      50.141

#1      -.42334  
#2      -.88843

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4148.0 | 56764. | 3981.3 | 78.747 | 4692.2 |
| Stddev    | 12.3   | 53.    | .5     | 1.066  | 14.5   |
| %RSD      | .29545 | .09335 | .01163 | 1.3531 | .30864 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4156.7 | 56802. | 3981.0 | 79.500 | 4702.4 |
| #2 | 4139.4 | 56727. | 3981.6 | 77.993 | 4681.9 |

Sample Name: J6037-01LX5      Acquired: 11/30/2018 17:30:51      Type: Unk  
Method: P4-ICP2(v2618)      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    | -.00011 | .00083 | .00093 | .00396 | -.00200 | .00419 | .00252 | .00004 |
| Stddev | .00219  | .00061 | .00169 | .00237 | .00093  | .00038 | .00022 | .00007 |
| %RSD   | 2026.4  | 73.236 | 182.95 | 59.990 | 46.679  | 9.1393 | 8.9179 | 182.98 |

|    |         |        |         |        |         |        |        |         |
|----|---------|--------|---------|--------|---------|--------|--------|---------|
| #1 | .00144  | .00040 | -.00027 | .00228 | -.00134 | .00446 | .00236 | .00009  |
| #2 | -.00166 | .00125 | .00212  | .00564 | -.00266 | .00392 | .00268 | -.00001 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00008 | .04766 | .00029 | .00009 | .00076 | .02247 | .00085 | -.04076 |
| Stddev | .00009 | .02742 | .00032 | .00000 | .00016 | .00518 | .00011 | .05298  |
| %RSD   | 110.63 | 57.535 | 110.15 | 3.4967 | 21.565 | 23.051 | 13.269 | 129.97  |

|    |        |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|--------|---------|
| #1 | .00014 | .02827 | .00052 | .00009 | .00065 | .02613 | .00077 | -.00330 |
| #2 | .00002 | .06705 | .00006 | .00010 | .00088 | .01881 | .00093 | -.07822 |

|        |        |         |        |         |        |        |         |         |
|--------|--------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00035 | -.00001 | .17078 | -.00014 | .01060 | .01026 | -.00001 | -.02153 |
| Stddev | .00039 | .00019  | .00075 | .00003  | .00011 | .00033 | .00024  | .00266  |
| %RSD   | 111.96 | 1387.0  | .44018 | 21.685  | .99051 | 3.2064 | 2327.8  | 12.372  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00062 | .00012  | .17132 | -.00012 | .01068 | .01049 | .00016  | -.02342 |
| #2 | .00007 | -.00015 | .17025 | -.00016 | .01053 | .01003 | -.00018 | -.01965 |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.11579 | .81082 | -.00161 | .00252 | -.00864 | -.0035 | .00001 | 4.1597 |
| Stddev | .00267  | .00146 | .00050  | .00042 | .00095  | .0004  | .00002 | .0424  |
| %RSD   | 2.3073  | .18001 | 30.830  | 16.704 | 11.034  | 11.31  | 246.37 | 1.0197 |

|    |         |        |         |        |         |        |         |        |
|----|---------|--------|---------|--------|---------|--------|---------|--------|
| #1 | -.11390 | .81186 | -.00126 | .00281 | -.00797 | -.0032 | -.00001 | 4.1297 |
| #2 | -.11767 | .80979 | -.00196 | .00222 | -.00932 | -.0038 | .00002  | 4.1896 |

Sample Name: J6037-01LX5      Acquired: 11/30/2018 17:30:51      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .64763  
%RSD      547.57

#1      -.57621  
#2      .33967

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4014.8 | 53667. | 3815.1 | 74.849 | 4487.0 |
| Stddev    | 24.6   | 232.   | 9.5    | .474   | 28.1   |
| %RSD      | .61267 | .43189 | .25013 | .63339 | .62614 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3997.4 | 53830. | 3821.9 | 74.514 | 4467.2 |
| #2 | 4032.2 | 53503. | 3808.4 | 75.184 | 4506.9 |

Sample Name: J6037-01MS      Acquired: 11/30/2018 17:34:54      Type: Unk  
Method: P4-ICP2(v2618)      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    | .82738 | 1.9666 | .97733 | 1.9864 | .83631 | 2.0764 | .22009 |
| Stddev | .00154 | .0002  | .00257 | .0021  | .00244 | .0486  | .00083 |
| %RSD   | .18622 | .01078 | .26254 | .10304 | .29175 | 2.3386 | .37720 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82847 | 1.9668 | .97915 | 1.9849 | .83803 | 2.0421 | .22068 |
| #2 | .82629 | 1.9665 | .97552 | 1.9878 | .83458 | 2.1108 | .21950 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20435 | .18952 | 1.2191 | .43449 | .20341 | .33695 | 3.0791 |
| Stddev | .00434 | .00025 | .0024  | .00890 | .00086 | .00006 | .0666  |
| %RSD   | 2.1253 | .13209 | .19906 | 2.0475 | .42490 | .01815 | 2.1634 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20128 | .18969 | 1.2174 | .42820 | .20402 | .33699 | 3.0320 |
| #2 | .20742 | .18934 | 1.2208 | .44078 | .20280 | .33690 | 3.1262 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22072 | 2.0419 | .48580 | .07183 | 3.0997 | .28689 | .26800 |
| Stddev | .00420 | .0145  | .00020 | .00156 | .0066  | .00587 | .00653 |
| %RSD   | 1.9023 | .70922 | .04108 | 2.1728 | .21368 | 2.0445 | 2.4372 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21775 | 2.0317 | .48594 | .07073 | 3.1044 | .28274 | .26338 |
| #2 | .22369 | 2.0522 | .48566 | .07294 | 3.0950 | .29104 | .27261 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.8443 | .40045 | .29672 | -.09659 | 4.4996 | .61728 | .20333 |
| Stddev | .0061  | .00106 | .00043 | .00053  | .0113  | .00239 | .00147 |
| %RSD   | .06203 | .26411 | .14573 | .55357  | .25095 | .38732 | .72379 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.8486 | .39970 | .29703 | -.09697 | 4.4917 | .61559 | .20437 |
| #2 | 9.8400 | .40119 | .29641 | -.09622 | 4.5076 | .61897 | .20229 |

Sample Name: J6037-01MS      Acquired: 11/30/2018 17:34:54      Type: Unk  
Method: P4-ICP2(v2618)      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    | .20376 | 5.243  | .22192 | 3.7086 | F<.00000 |
| Stddev | .00013 | .008   | .00068 | .2222  | .25887   |
| %RSD   | .06160 | .1520  | .30767 | 5.9906 | 10.164   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20385 | 5.249 | .22241 | 3.5515 | -2.7300 |
| #2 | .20367 | 5.238 | .22144 | 3.8657 | -2.3639 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4125.4 | 55653. | 3942.5 | 76.808 | 4532.1 |
| Stddev    | 3.9    | 930.   | 11.3   | 1.830  | 5.3    |
| %RSD      | .09501 | 1.6719 | .28623 | 2.3831 | .11666 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4122.7 | 56311. | 3934.5 | 78.102 | 4528.4 |
| #2 | 4128.2 | 54995. | 3950.5 | 75.514 | 4535.9 |

Sample Name: J6037-01MSD      Acquired: 11/30/2018 17:38:45      Type: Unk  
Method: P4-ICP2(v2618)      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    | .83130 | 1.9697 | .97396 | 1.9997 | .83679 | 2.0294 | .21909 |
| Stddev | .00077 | .0014  | .00149 | .0013  | .00112 | .0413  | .00547 |
| %RSD   | .09248 | .07154 | .15274 | .06493 | .13336 | 2.0330 | 2.4982 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83185 | 1.9687 | .97502 | 1.9987 | .83601 | 2.0585 | .21522 |
| #2 | .83076 | 1.9707 | .97291 | 2.0006 | .83758 | 2.0002 | .22296 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20139 | .18951 | 1.2294 | .42409 | .20371 | .33710 | 3.0393 |
| Stddev | .00446 | .00020 | .0082  | .01073 | .00008 | .00026 | .0449  |
| %RSD   | 2.2133 | .10294 | .66412 | 2.5302 | .03689 | .07763 | 1.4783 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20454 | .18965 | 1.2236 | .43167 | .20377 | .33691 | 3.0075 |
| #2 | .19824 | .18938 | 1.2352 | .41650 | .20366 | .33728 | 3.0710 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21702 | 2.0510 | .48575 | .07085 | 3.1157 | .28285 | .26566 |
| Stddev | .00513 | .0452  | .00016 | .00213 | .0368  | .00684 | .00722 |
| %RSD   | 2.3638 | 2.2062 | .03290 | 3.0060 | 1.1826 | 2.4199 | 2.7196 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22065 | 2.0190 | .48586 | .07235 | 3.0896 | .28769 | .26055 |
| #2 | .21339 | 2.0830 | .48564 | .06934 | 3.1417 | .27801 | .27076 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.8142 | .40136 | .28754 | -.09506 | 4.4970 | .61693 | .20103 |
| Stddev | .1792  | .00006 | .00160 | .00152  | .0545  | .00164 | .00385 |
| %RSD   | 1.8256 | .01415 | .55785 | 1.5987  | 1.2117 | .26587 | 1.9170 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.6875 | .40140 | .28868 | -.09613 | 4.4585 | .61577 | .19830 |
| #2 | 9.9409 | .40132 | .28641 | -.09398 | 4.5355 | .61809 | .20375 |



Sample Name: J6037-01MSD      Acquired: 11/30/2018 17:38:45      Type: Unk  
Method: P4-ICP2(v2618)      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    | .20286 | 5.251  | .22016 | 3.3410 | F<.00000 |
| Stddev | .00585 | .008   | .00525 | .2818  | .90167   |
| %RSD   | 2.8836 | .1591  | 2.3855 | 8.4350 | 42.244   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .19872 | 5.256 | .21644 | 3.5403 | -2.7720 |
| #2 | .20699 | 5.245 | .22387 | 3.1417 | -1.4968 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4127.5 | 56533. | 3937.1 | 77.449 | 4534.0 |
| Stddev    | 10.9   | 897.   | 76.5   | 2.027  | 14.5   |
| %RSD      | .26382 | 1.5869 | 1.9438 | 2.6166 | .32024 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4119.8 | 55899. | 3991.2 | 78.882 | 4523.7 |
| #2 | 4135.2 | 57168. | 3883.0 | 76.016 | 4544.3 |

Sample Name: J6037-01A      Acquired: 11/30/2018 17:42:34      Type: Unk  
Method: P4-ICP2(v2618)      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    | .82432 | 1.9560 | .96898 | 1.9783 | .82966 | 2.0686 | .21986 |
| Stddev | .00145 | .0051  | .00297 | .0002  | .00238 | .0192  | .00246 |
| %RSD   | .17651 | .26172 | .30612 | .00837 | .28726 | .92810 | 1.1209 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82534 | 1.9596 | .97108 | 1.9784 | .83134 | 2.0551 | .22160 |
| #2 | .82329 | 1.9523 | .96688 | 1.9782 | .82797 | 2.0822 | .21812 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20483 | .18837 | 1.2598 | .43321 | .20205 | .33444 | 3.0378 |
| Stddev | .00169 | .00074 | .0384  | .00363 | .00009 | .00111 | .0723  |
| %RSD   | .82457 | .39380 | 3.0457 | .83866 | .04581 | .33080 | 2.3811 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20364 | .18890 | 1.2869 | .43064 | .20212 | .33523 | 3.0890 |
| #2 | .20603 | .18785 | 1.2326 | .43578 | .20199 | .33366 | 2.9867 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22080 | 2.0349 | .48251 | .07123 | 3.1597 | .28824 | .26369 |
| Stddev | .00197 | .0071  | .00057 | .00077 | .0398  | .00397 | .00573 |
| %RSD   | .89303 | .34971 | .11862 | 1.0784 | 1.2590 | 1.3785 | 2.1713 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21940 | 2.0399 | .48292 | .07069 | 3.1879 | .28543 | .26774 |
| #2 | .22219 | 2.0299 | .48211 | .07177 | 3.1316 | .29105 | .25965 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.8787 | .39848 | .29570 | -.09609 | 4.5267 | .61241 | .20094 |
| Stddev | .0643  | .00102 | .00989 | .00184  | .0207  | .00084 | .00069 |
| %RSD   | .65039 | .25594 | 3.3438 | 1.9103  | .45804 | .13640 | .34343 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.9241 | .39920 | .30269 | -.09479 | 4.5413 | .61300 | .20143 |
| #2 | 9.8332 | .39776 | .28871 | -.09739 | 4.5120 | .61182 | .20045 |

Sample Name: J6037-01A      Acquired: 11/30/2018 17:42:34      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .20359 | 5.215  | .22120 | 3.7405 | F<.00000 |
| Stddev | .00095 | .012   | .00082 | .0952  | .35035   |
| %RSD   | .46756 | .2375  | .37062 | 2.5446 | 19.408   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20427 | 5.223 | .22178 | 3.6732 | -1.5574 |
| #2 | .20292 | 5.206 | .22062 | 3.8078 | -2.0529 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4136.8 | 55475. | 3930.9 | 77.647 | 4541.0 |
| Stddev    | 3.2    | 622.   | 23.5   | 1.647  | 4.1    |
| %RSD      | .07826 | 1.1211 | .59754 | 2.1215 | .09054 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4134.5 | 55915. | 3914.3 | 76.482 | 4538.1 |
| #2 | 4139.1 | 55035. | 3947.6 | 78.811 | 4543.9 |

Sample Name: PB115199BL      Acquired: 11/30/2018 17:54:18      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00046 | .00087 | .00031 | .00197 | -.00118 | .00206 | .00228 | .00002 |
| Stddev | .00137 | .00099 | .00196 | .00125 | .00161  | .00683 | .00073 | .00002 |
| %RSD   | 297.48 | 113.36 | 641.35 | 63.625 | 136.31  | 332.28 | 31.820 | 86.793 |

|    |         |        |         |        |         |         |        |        |
|----|---------|--------|---------|--------|---------|---------|--------|--------|
| #1 | -.00051 | .00157 | .00169  | .00286 | -.00232 | .00689  | .00280 | .00004 |
| #2 | .00143  | .00017 | -.00108 | .00108 | -.00004 | -.00277 | .00177 | .00001 |

|        |        |         |         |        |         |        |        |         |
|--------|--------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | Cd2265 | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00001 | -.00009 | -.00048 | .00008 | -.00016 | .00052 | .00027 | -.04722 |
| Stddev | .00009 | .01266  | .00012  | .00028 | .00000  | .00369 | .00007 | .00750  |
| %RSD   | 1291.1 | 14571.  | 25.114  | 354.83 | 1.3485  | 715.31 | 27.645 | 15.892  |

|    |         |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00007  | -.00904 | -.00040 | .00027  | -.00016 | .00313  | .00032 | -.04192 |
| #2 | -.00006 | .00887  | -.00057 | -.00012 | -.00016 | -.00209 | .00021 | -.05253 |

|        |         |         |         |        |         |         |         |         |
|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00072 | -.00003 | -.10608 | .00001 | -.00086 | -.01596 | -.00012 | -.01938 |
| Stddev | .00004  | .00011  | .00064  | .00039 | .00010  | .02563  | .00007  | .00970  |
| %RSD   | 5.9481  | 412.59  | .59963  | 2707.2 | 11.016  | 160.54  | 53.226  | 50.038  |

|    |         |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00075 | .00005  | -.10563 | -.00026 | -.00093 | -.03408 | -.00008 | -.02624 |
| #2 | -.00069 | -.00010 | -.10653 | .00029  | -.00080 | .00216  | -.00017 | -.01252 |

|        |         |        |         |        |         |        |         |        |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.15257 | .00324 | -.00220 | .00338 | -.00610 | -.0046 | -.00011 | 4.0582 |
| Stddev | .00039  | .00123 | .00050  | .00008 | .00051  | .0011  | .00018  | .1112  |
| %RSD   | .25249  | 37.913 | 22.892  | 2.4865 | 8.3949  | 23.15  | 175.03  | 2.7405 |

|    |         |        |         |        |         |        |         |        |
|----|---------|--------|---------|--------|---------|--------|---------|--------|
| #1 | -.15230 | .00237 | -.00256 | .00344 | -.00646 | -.0054 | -.00024 | 4.1368 |
| #2 | -.15284 | .00410 | -.00185 | .00332 | -.00574 | -.0039 | .00003  | 3.9795 |

Sample Name: PB115199BL      Acquired: 11/30/2018 17:54:18      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .49980  
%RSD      77.565

#1      -.29095  
#2      -.99777

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4009.6 | 53673. | 3817.1 | 74.659 | 4465.3 |
| Stddev    | 8.3    | 357.   | 5.5    | .694   | 5.7    |
| %RSD      | .20637 | .66588 | .14407 | .92989 | .12839 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4003.8 | 53421. | 3813.2 | 75.150 | 4461.3 |
| #2 | 4015.5 | 53926. | 3821.0 | 74.168 | 4469.4 |

Sample Name: PB115199BS      Acquired: 11/30/2018 17:58:24      Type: Unk  
Method: P4-ICP2(v2618)      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    | .86430 | 2.0831 | 1.0355 | 2.0425 | .90095 | 2.1612 | .23272 |
| Stddev | .00648 | .0142  | .0066  | .0104  | .00969 | .0152  | .00139 |
| %RSD   | .75024 | .68228 | .64022 | .50795 | 1.0757 | .70166 | .59838 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .85972 | 2.0730 | 1.0308 | 2.0351 | .89410 | 2.1504 | .23173 |
| #2 | .86889 | 2.0931 | 1.0402 | 2.0498 | .90780 | 2.1719 | .23370 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21148 | .20108 | 1.1852 | .45145 | .21725 | .34279 | 3.1433 |
| Stddev | .00006 | .00121 | .0167  | .00107 | .00153 | .00192 | .0168  |
| %RSD   | .02872 | .60037 | 1.4073 | .23744 | .70506 | .56134 | .53376 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21152 | .20023 | 1.1970 | .45069 | .21617 | .34143 | 3.1314 |
| #2 | .21143 | .20194 | 1.1735 | .45221 | .21833 | .34415 | 3.1551 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23244 | 2.1422 | .51713 | .07348 | 3.1657 | .30916 | .22890 |
| Stddev | .00007 | .0553  | .00394 | .00035 | .0133  | .00068 | .00176 |
| %RSD   | .03178 | 2.5804 | .76209 | .47116 | .42018 | .21935 | .76795 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23249 | 2.1813 | .51434 | .07323 | 3.1563 | .30868 | .22765 |
| #2 | .23238 | 2.1031 | .51992 | .07372 | 3.1751 | .30964 | .23014 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.423 | .44182 | .30956 | 2.7123 | .97084 | .68902 | .22209 |
| Stddev | .105   | .00319 | .01242 | .0267  | .00468 | .00600 | .00401 |
| %RSD   | 1.0062 | .72290 | 4.0133 | .98626 | .48251 | .87052 | 1.8047 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.349 | .43956 | .30078 | 2.6933 | .97416 | .68478 | .21926 |
| #2 | 10.497 | .44408 | .31835 | 2.7312 | .96753 | .69327 | .22493 |

Sample Name: PB115199BS      Acquired: 11/30/2018 17:58:24      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .22504 | 5.629  | .23595 | 4.2775 | F<.00000 |
| Stddev | .00178 | .039   | .00110 | .0286  | .04873   |
| %RSD   | .79113 | .6965  | .46478 | .66903 | 1.9822   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .22378 | 5.601 | .23517 | 4.2573 | -2.4238 |
| #2 | .22630 | 5.657 | .23672 | 4.2978 | -2.4927 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3948.2 | 53025. | 3726.8 | 73.365 | 4279.0 |
| Stddev    | 13.7   | 131.   | 5.7    | .317   | 15.2   |
| %RSD      | .34799 | .24704 | .15351 | .43153 | .35471 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3958.0 | 53117. | 3730.9 | 73.589 | 4289.8 |
| #2 | 3938.5 | 52932. | 3722.8 | 73.141 | 4268.3 |

Sample Name: PB115209TB      Acquired: 11/30/2018 18:02:15      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |        |        |         |
|--------|---------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00004 | -.00194 | -.00086 | .00702 | -.00095 | .00040 | .00318 | -.00006 |
| Stddev | .00421  | .00142  | .00048  | .00052 | .00122  | .00333 | .00069 | .00006  |
| %RSD   | 9493.8  | 73.202  | 55.542  | 7.3594 | 128.45  | 832.00 | 21.709 | 100.81  |

|    |         |         |         |        |         |         |        |         |
|----|---------|---------|---------|--------|---------|---------|--------|---------|
| #1 | .00294  | -.00295 | -.00052 | .00666 | -.00009 | .00275  | .00367 | -.00011 |
| #2 | -.00302 | -.00094 | -.00120 | .00739 | -.00182 | -.00195 | .00269 | -.00002 |

|        |         |        |        |         |         |        |        |         |
|--------|---------|--------|--------|---------|---------|--------|--------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00007 | .02111 | .00024 | -.00045 | -.00024 | .01683 | .00039 | -.06273 |
| Stddev | .00001  | .01525 | .00011 | .00016  | .00011  | .00777 | .00003 | .01962  |
| %RSD   | 10.947  | 72.254 | 44.933 | 34.988  | 47.109  | 46.165 | 7.2688 | 31.277  |

|    |         |        |        |         |         |        |        |         |
|----|---------|--------|--------|---------|---------|--------|--------|---------|
| #1 | -.00007 | .03189 | .00031 | -.00034 | -.00032 | .02233 | .00041 | -.04885 |
| #2 | -.00006 | .01032 | .00016 | -.00057 | -.00016 | .01134 | .00037 | -.07660 |

|        |        |        |        |         |        |        |         |         |
|--------|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00128 | .00262 | 351.09 | -.00017 | .00400 | .09695 | -.00020 | -.02326 |
| Stddev | .00033 | .00027 | 2.34   | .00033  | .00005 | .00163 | .00001  | .00780  |
| %RSD   | 26.076 | 10.200 | .66779 | 199.13  | 1.1405 | 1.6819 | 7.1308  | 33.536  |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | .00104 | .00281 | 352.75 | -.00040 | .00404 | .09580 | -.00019 | -.01774 |
| #2 | .00151 | .00243 | 349.43 | .00007  | .00397 | .09810 | -.00021 | -.02877 |

|        |         |        |         |        |         |        |         |        |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.14389 | .01253 | -.00172 | .00311 | -.00293 | -.0069 | -.00002 | 5.5527 |
| Stddev | .00142  | .00047 | .00021  | .00048 | .00023  | .0006  | .00006  | .0681  |
| %RSD   | .98604  | 3.7196 | 12.188  | 15.334 | 7.8708  | 8.567  | 250.52  | 1.2259 |

|    |         |        |         |        |         |        |         |        |
|----|---------|--------|---------|--------|---------|--------|---------|--------|
| #1 | -.14489 | .01285 | -.00157 | .00277 | -.00277 | -.0073 | -.00007 | 5.5045 |
| #2 | -.14288 | .01220 | -.00187 | .00344 | -.00310 | -.0065 | .00002  | 5.6008 |



Sample Name: PB115209TB      Acquired: 11/30/2018 18:02:15      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.7328 |
| Stddev | .2996  |
| %RSD   | 17.291 |

|    |        |
|----|--------|
| #1 | 1.5209 |
| #2 | 1.9446 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3679.6 | 48201. | 3654.1 | 71.636 | 3751.9 |
| Stddev    | 9.9    | 76.    | 17.5   | .582   | 13.2   |
| %RSD      | .26868 | .15828 | .48026 | .81210 | .35069 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3672.6 | 48147. | 3641.7 | 71.225 | 3742.6 |
| #2 | 3686.6 | 48255. | 3666.5 | 72.048 | 3761.2 |

Sample Name: CCV06      Acquired: 11/30/2018 18:06:26      Type: Unk  
Method: P4-ICP2(v2618)      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    | 5.1108 | 4.7376 | 4.8291 | 4.8691 | 5.1388 | 10.107 | 9.9874 | .24813 | 2.4052 |
| Stddev | .0127  | .0082  | .0064  | .0212  | .0184  | .053   | .0150  | .00197 | .0079  |
| %RSD   | .24930 | .17247 | .13269 | .43511 | .35758 | .52597 | .15035 | .79425 | .32917 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.1198 | 4.7433 | 4.8336 | 4.8841 | 5.1518 | 10.070 | 9.9768 | .24673 | 2.4108 |
| #2 | 5.1018 | 4.7318 | 4.8246 | 4.8541 | 5.1258 | 10.145 | 9.9981 | .24952 | 2.3996 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 25.820 | 1.0149 | 2.4599 | 1.2349 | 4.6611 | 2.5108 | 23.533 | 2.3445 | 1.1742 |
| Stddev | .036   | .0001  | .0072  | .0043  | .1623  | .0164  | .139   | .0063  | .0096  |
| %RSD   | .13876 | .01225 | .29118 | .34930 | 3.4818 | .65367 | .59223 | .26865 | .81429 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 25.794 | 1.0150 | 2.4650 | 1.2380 | 4.7759 | 2.4992 | 23.434 | 2.3489 | 1.1674 |
| #2 | 25.845 | 1.0148 | 2.4549 | 1.2319 | 4.5464 | 2.5224 | 23.631 | 2.3400 | 1.1809 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 23.893 | 2.2936 | 2.5704 | 22.906 | 4.7402 | 4.7176 | 4.4561 | 4.7034 | 4.5478 |
| Stddev | .064   | .0154  | .0751  | .041   | .0089  | .0010  | .0134  | .0125  | .0035  |
| %RSD   | .26796 | .66963 | 2.9196 | .18021 | .18778 | .02086 | .29974 | .26547 | .07786 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 23.847 | 2.2828 | 2.6235 | 22.876 | 4.7465 | 4.7183 | 4.4655 | 4.6946 | 4.5503 |
| #2 | 23.938 | 2.3045 | 2.5174 | 22.935 | 4.7339 | 4.7169 | 4.4466 | 4.7122 | 4.5453 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8353 | 4.9442 | 4.709  | 5.2527 | 5.3736 | 1.8243 |
| Stddev | .0038  | .0112  | .007   | .0085  | .1151  | .5776  |
| %RSD   | .07892 | .22652 | .1519  | .16159 | 2.1412 | 31.660 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | 4.8326 | 4.9363 | 4.714 | 5.2467 | 5.4550 | 1.4159 |
| #2 | 4.8380 | 4.9521 | 4.703 | 5.2587 | 5.2923 | 2.2327 |

Sample Name: CCV06      Acquired: 11/30/2018 18:06:26      Type: Unk  
Method: P4-ICP2(v2618)      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       | 3818.7 | 50427. | 3705.7 | 70.716 | 3876.5 |
| Stddev    | 14.6   | 86.    | 8.1    | 2.042  | 14.5   |
| %RSD      | .38291 | .16969 | .21805 | 2.8873 | .37404 |
| #1        | 3808.3 | 50487. | 3700.0 | 69.273 | 3866.2 |
| #2        | 3829.0 | 50366. | 3711.4 | 72.160 | 3886.7 |

Sample Name: CCB06      Acquired: 11/30/2018 18:10:09      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00169 | .00164 | .00052 | .00040 | -.00184 | .00520 | .00421 | .00012 |
| Stddev | .00003 | .00051 | .00014 | .00327 | .00087  | .00068 | .00052 | .00006 |
| %RSD   | 1.4873 | 31.211 | 25.790 | 820.70 | 47.575  | 13.094 | 12.429 | 51.410 |

|    |        |        |        |         |         |        |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|--------|
| #1 | .00168 | .00128 | .00043 | .00271  | -.00122 | .00568 | .00458 | .00007 |
| #2 | .00171 | .00200 | .00062 | -.00192 | -.00245 | .00472 | .00384 | .00016 |

|        |        |         |         |        |         |        |        |         |
|--------|--------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | Cd2265 | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00001 | -.00233 | -.00012 | .00003 | -.00023 | .00375 | .00016 | -.05924 |
| Stddev | .00002 | .00295  | .00012  | .00010 | .00028  | .00066 | .00000 | .03157  |
| %RSD   | 168.55 | 126.58  | 93.845  | 330.55 | 124.83  | 17.680 | 1.6880 | 53.297  |

|    |         |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|---------|--------|--------|---------|
| #1 | -.00000 | -.00442 | -.00004 | .00010  | -.00042 | .00422 | .00016 | -.08156 |
| #2 | .00002  | -.00024 | -.00020 | -.00004 | -.00003 | .00328 | .00017 | -.03691 |

|        |         |         |         |        |         |         |        |         |
|--------|---------|---------|---------|--------|---------|---------|--------|---------|
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  | K_7664  | Mo2020 | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00005 | -.00020 | -.10655 | .00001 | -.00087 | -.04644 | .00047 | -.01326 |
| Stddev | .00000  | .00030  | .00064  | .00030 | .00006  | .02668  | .00033 | .00819  |
| %RSD   | 8.9719  | 147.35  | .59772  | 2820.4 | 6.7463  | 57.448  | 69.211 | 61.765  |

|    |         |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00005 | -.00041 | -.10610 | -.00020 | -.00083 | -.02757 | .00070 | -.00747 |
| #2 | -.00005 | .00001  | -.10700 | .00023  | -.00091 | -.06530 | .00024 | -.01905 |

|        |         |        |         |        |         |        |         |        |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.15514 | .00618 | -.00122 | .00617 | -.00451 | -.0048 | -.00012 | 4.4963 |
| Stddev | .00198  | .00105 | .00025  | .00006 | .00363  | .0000  | .00003  | .0548  |
| %RSD   | 1.2738  | 17.021 | 20.499  | .90427 | 80.428  | 1.001  | 25.465  | 1.2177 |

|    |         |        |         |        |         |        |         |        |
|----|---------|--------|---------|--------|---------|--------|---------|--------|
| #1 | -.15374 | .00693 | -.00140 | .00613 | -.00194 | -.0048 | -.00010 | 4.4576 |
| #2 | -.15654 | .00544 | -.00104 | .00621 | -.00707 | -.0047 | -.00014 | 4.5351 |

Sample Name: CCB06      Acquired: 11/30/2018 18:10:09      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .34500  
Stddev      .32574  
%RSD      94.416

#1      .57533  
#2      .11467

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3974.2 | 52990. | 3707.0 | 73.030 | 4431.3 |
| Stddev    | 6.3    | 197.   | 14.6   | 3.066  | 1.9    |
| %RSD      | .15861 | .37161 | .39450 | 4.1987 | .04320 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3969.8 | 53129. | 3696.7 | 70.861 | 4432.7 |
| #2 | 3978.7 | 52850. | 3717.4 | 75.198 | 4430.0 |

Sample Name: J6069-01      Acquired: 11/30/2018 18:14:13      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00202   | -.00062 | .00113  | .00652  | -.00454 | -.03968 | .02481 | .00013 |
| Stddev | .00356   | .00095  | .00004  | .00167  | .00099  | .00437  | .00021 | .00004 |
| %RSD   | 176.50   | 153.45  | 3.8899  | 25.628  | 21.791  | 11.009  | .83775 | 29.894 |
| #1     | .00453   | .00005  | .00110  | .00770  | -.00384 | -.04277 | .02496 | .00015 |
| #2     | -.00050  | -.00128 | .00116  | .00534  | -.00524 | -.03660 | .02466 | .00010 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00012  | 65.606  | -.00119 | -.00037 | .00056  | .00335  | .00388 | 128.07 |
| Stddev | .00012   | .966    | .00026  | .00018  | .00013  | .01445  | .00018 | 2.41   |
| %RSD   | 99.444   | 1.4718  | 21.508  | 47.597  | 23.696  | 431.63  | 4.6356 | 1.8854 |
| #1     | -.00004  | 66.289  | -.00101 | -.00050 | .00046  | .01356  | .00375 | 129.78 |
| #2     | -.00021  | 64.923  | -.00137 | -.00025 | .00065  | -.00687 | .00401 | 126.36 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00348  | .00022  | 937.23  | .00121  | .00126  | 40.061  | .00116 | .41488 |
| Stddev | .00034   | .00026  | 8.05    | .00013  | .00005  | .684    | .00016 | .00257 |
| %RSD   | 9.7651   | 119.06  | .85930  | 10.494  | 3.7554  | 1.7075  | 13.750 | .61838 |
| #1     | -.00324  | .00040  | 942.92  | .00129  | .00123  | 40.545  | .00128 | .41670 |
| #2     | -.00372  | .00003  | 931.53  | .00112  | .00130  | 39.577  | .00105 | .41307 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 97.076 | 2.3998  | -.03766 | .00205  | .01174  | .0462   | .91872 | 6.2877 |
| Stddev | .383     | .0069   | .00017  | .00199  | .00110  | .0017   | .01577 | .2427  |
| %RSD   | .39439   | .28539  | .45025  | 97.056  | 9.3577  | 3.570   | 1.7166 | 3.8600 |
| #1     | 97.346   | 2.3949  | -.03754 | .00346  | .01251  | .0451   | .92987 | 6.1161 |
| #2     | 96.805   | 2.4046  | -.03778 | .00064  | .01096  | .0474   | .90757 | 6.4593 |

Sample Name: J6069-01      Acquired: 11/30/2018 18:14:13      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.0600 |
| Stddev | .0225  |
| %RSD   | .55493 |

|    |        |
|----|--------|
| #1 | 4.0759 |
| #2 | 4.0441 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3587.3 | 45298. | 3771.6 | 73.582 | 3509.2 |
| Stddev    | 12.0   | 1092.  | 54.4   | .847   | 17.7   |
| %RSD      | .33408 | 2.4109 | 1.4430 | 1.1507 | .50539 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3578.9 | 46071. | 3733.1 | 72.983 | 3496.6 |
| #2 | 3595.8 | 44526. | 3810.1 | 74.181 | 3521.7 |

Sample Name: J6069-01DUP      Acquired: 11/30/2018 18:18:20      Type: Unk  
Method: P4-ICP2(v2618)      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    | -.00130  | -.00072 | .00198  | .00511  | -.00341 | -.02391 | .02447 | .00014 |
| Stddev | .00143   | .00001  | .00134  | .00045  | .00046  | .01465  | .00122 | .00007 |
| %RSD   | 110.06   | 1.9094  | 67.519  | 8.7991  | 13.448  | 61.295  | 4.9785 | 53.861 |
| #1     | -.00232  | -.00071 | .00292  | .00480  | -.00309 | -.01355 | .02361 | .00009 |
| #2     | -.00029  | -.00073 | .00103  | .00543  | -.00374 | -.03427 | .02533 | .00019 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00014  | 64.534  | -.00096 | -.00032 | .00045  | -.00007 | .00370 | 127.74 |
| Stddev | .00002   | .461    | .00003  | .00028  | .00076  | .00344  | .00011 | .04    |
| %RSD   | 16.112   | .71485  | 2.6989  | 87.330  | 170.42  | 5274.3  | 2.9133 | .02931 |
| #1     | -.00012  | 64.861  | -.00098 | -.00012 | .00098  | -.00250 | .00362 | 127.76 |
| #2     | -.00015  | 64.208  | -.00094 | -.00052 | -.00009 | .00237  | .00378 | 127.71 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00340  | -.00034 | 905.21  | .00077  | .00108  | 40.062  | .00111 | .41564 |
| Stddev | .00043   | .00036  | 3.24    | .00020  | .00009  | .158    | .00011 | .00293 |
| %RSD   | 12.797   | 105.85  | .35746  | 26.166  | 8.3347  | .39486  | 10.318 | .70455 |
| #1     | -.00309  | -.00060 | 902.92  | .00063  | .00102  | 40.174  | .00103 | .41771 |
| #2     | -.00370  | -.00009 | 907.50  | .00091  | .00115  | 39.950  | .00119 | .41357 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 97.341 | 2.3484  | -.03726 | .00225  | .01509  | .0458   | .91029 | 5.9612 |
| Stddev | .371     | .0107   | .00079  | .00005  | .00211  | .0020   | .00496 | .1468  |
| %RSD   | .38127   | .45585  | 2.1240  | 2.2699  | 13.956  | 4.375   | .54454 | 2.4632 |
| #1     | 97.078   | 2.3408  | -.03670 | .00229  | .01658  | .0443   | .91379 | 5.8573 |
| #2     | 97.603   | 2.3560  | -.03782 | .00222  | .01360  | .0472   | .90678 | 6.0650 |



Sample Name: J6069-01DUP      Acquired: 11/30/2018 18:18:20      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.3346 |
| Stddev | .5153  |
| %RSD   | 15.453 |

|    |        |
|----|--------|
| #1 | 3.6990 |
| #2 | 2.9702 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3551.7 | 46369. | 3808.1 | 74.342 | 3474.3 |
| Stddev    | 14.7   | 891.   | 15.3   | .504   | 35.2   |
| %RSD      | .41257 | 1.9224 | .40289 | .67764 | 1.0143 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3562.1 | 46999. | 3797.3 | 74.699 | 3499.2 |
| #2 | 3541.4 | 45738. | 3819.0 | 73.986 | 3449.3 |

Sample Name: J6069-01LX5      Acquired: 11/30/2018 18:22:28      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00147 | -.00129 | .00105 | .00124 | -.00346 | -.01592 | .00841 | .00007 |
| Stddev | .00017 | .00043  | .00013 | .00129 | .00101  | .00401  | .00024 | .00001 |
| %RSD   | 11.618 | 33.091  | 12.703 | 103.96 | 29.178  | 25.163  | 2.8098 | 9.2255 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00135 | -.00099 | .00096 | .00033 | -.00274 | -.01309 | .00824 | .00006 |
| #2 | .00159 | -.00160 | .00115 | .00215 | -.00417 | -.01875 | .00857 | .00007 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00009 | 14.121 | -.00022 | -.00032 | .00035 | -.00409 | .00084 | 26.934 |
| Stddev | .00004  | .161   | .00003  | .00010  | .00031 | .00772  | .00000 | .032   |
| %RSD   | 46.093  | 1.1379 | 13.966  | 30.427  | 88.507 | 188.63  | .09769 | .11762 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00012 | 14.234 | -.00020 | -.00025 | .00057 | -.00955 | .00084 | 26.912 |
| #2 | -.00006 | 14.007 | -.00024 | -.00039 | .00013 | .00137  | .00084 | 26.957 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00195 | .00003 | 212.90 | .00019 | .00093 | 8.3363 | .00003 | .08212 |
| Stddev | .00014  | .00039 | 4.22   | .00030 | .00016 | .1033  | .00011 | .01189 |
| %RSD   | 7.0277  | 1476.9 | 1.9838 | 156.05 | 17.377 | 1.2395 | 324.81 | 14.483 |

|    |         |         |        |         |        |        |         |        |
|----|---------|---------|--------|---------|--------|--------|---------|--------|
| #1 | -.00204 | .00030  | 215.89 | -.00002 | .00104 | 8.4094 | .00011  | .07371 |
| #2 | -.00185 | -.00025 | 209.92 | .00040  | .00081 | 8.2632 | -.00004 | .09053 |

|        |          |        |         |        |        |        |        |        |
|--------|----------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 18.312 | .52498 | -.00876 | .00416 | .00471 | .0052  | .19679 | 5.3062 |
| Stddev | .328     | .00660 | .00020  | .00162 | .00070 | .0011  | .00186 | .0668  |
| %RSD   | 1.7898   | 1.2574 | 2.3135  | 38.995 | 14.944 | 21.84  | .94709 | 1.2585 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 18.544 | .52965 | -.00890 | .00530 | .00521 | .0044 | .19810 | 5.2589 |
| #2 | 18.081 | .52031 | -.00862 | .00301 | .00421 | .0060 | .19547 | 5.3534 |

Sample Name: J6069-01LX5      Acquired: 11/30/2018 18:22:28      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.5628 |
| Stddev | .3521  |
| %RSD   | 22.532 |

|    |        |
|----|--------|
| #1 | 1.3138 |
| #2 | 1.8118 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3746.6 | 48767. | 3664.5 | 72.331 | 3842.8 |
| Stddev    | 48.0   | 78.    | 42.4   | .095   | 62.6   |
| %RSD      | 1.2805 | .15960 | 1.1565 | .13109 | 1.6286 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3712.7 | 48712. | 3634.6 | 72.398 | 3798.6 |
| #2 | 3780.6 | 48822. | 3694.5 | 72.264 | 3887.1 |

Sample Name: J6069-01MS      Acquired: 11/30/2018 18:26:35      Type: Unk  
Method: P4-ICP2(v2618)      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    | .87837   | 1.7876 | .95909 | 2.0755 | .87442 | 2.2393 | .23294 | .22276 |
| Stddev | .00506   | .0086  | .00443 | .0090  | .00158 | .0165  | .00676 | .00030 |
| %RSD   | .57608   | .47941 | .46232 | .43361 | .18030 | .73845 | 2.9018 | .13253 |
| #1     | .87480   | 1.7936 | .96222 | 2.0818 | .87553 | 2.2276 | .22816 | .22297 |
| #2     | .88195   | 1.7815 | .95595 | 2.0691 | .87330 | 2.2510 | .23772 | .22255 |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19721   | 64.816 | .41164 | .20595 | .29708 | 2.8715 | .21001 | 128.19 |
| Stddev | .00026   | 1.118  | .00236 | .00014 | .00030 | .0928  | .00017 | 2.65   |
| %RSD   | .13115   | 1.7249 | .57338 | .06671 | .10045 | 3.2315 | .08291 | 2.0651 |
| #1     | .19739   | 64.026 | .40997 | .20604 | .29687 | 2.8059 | .21013 | 126.32 |
| #2     | .19702   | 65.607 | .41331 | .20585 | .29729 | 2.9371 | .20989 | 130.06 |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .48312   | .07349 | 905.14 | .29067 | .20918 | 49.065 | .39787 | .68903 |
| Stddev | .00128   | .00090 | 3.56   | .00076 | .00438 | .715   | .00107 | .02805 |
| %RSD   | .26439   | 1.2307 | .39380 | .26170 | 2.0947 | 1.4563 | .26992 | 4.0702 |
| #1     | .48402   | .07285 | 902.62 | .29013 | .20608 | 48.560 | .39711 | .66920 |
| #2     | .48221   | .07413 | 907.66 | .29121 | .21228 | 49.570 | .39863 | .70886 |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 93.934 | 3.2166 | .63972 | .20697 | .22385 | 6.579  | 1.1066 | 5.8615 |
| Stddev | .364     | .0352  | .00133 | .00503 | .00437 | .007   | .0206  | .1572  |
| %RSD   | .38711   | 1.0934 | .20731 | 2.4302 | 1.9501 | .1056  | 1.8609 | 2.6814 |
| #1     | 94.192   | 3.1917 | .64066 | .20342 | .22076 | 6.584  | 1.0921 | 5.7503 |
| #2     | 93.677   | 3.2415 | .63879 | .21053 | .22693 | 6.574  | 1.1212 | 5.9726 |

Sample Name: J6069-01MS      Acquired: 11/30/2018 18:26:35      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.9663  
Stddev      .0156  
%RSD      .52535

#1      2.9553  
#2      2.9773

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3614.0 | 46946. | 3742.1 | 71.499 | 3509.4 |
| Stddev    | 7.3    | 250.   | 42.5   | 1.352  | 16.2   |
| %RSD      | .20088 | .53345 | 1.1367 | 1.8912 | .46297 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3608.9 | 47123. | 3772.2 | 72.455 | 3497.9 |
| #2 | 3619.2 | 46769. | 3712.1 | 70.543 | 3520.9 |

Sample Name: J6069-01MSD      Acquired: 11/30/2018 18:30:29      Type: Unk  
Method: P4-ICP2(v2618)      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    | .87147 | 1.7829 | .95724 | 2.0692 | .87241 | 2.2192 | .22974 | .22163 |
| Stddev | .00879 | .0036  | .00129 | .0059  | .00680 | .0377  | .00103 | .00452 |
| %RSD   | 1.0087 | .20151 | .13489 | .28716 | .77941 | 1.6974 | .44886 | 2.0393 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .86526 | 1.7803 | .95633 | 2.0650 | .86760 | 2.1925 | .23047 | .21844 |
| #2 | .87769 | 1.7854 | .95815 | 2.0734 | .87722 | 2.2458 | .22901 | .22483 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19730 | 64.886 | .40877 | .20523 | .29672 | 2.8186 | .20896 | 127.87 |
| Stddev | .00103 | .460   | .00560 | .00082 | .00020 | .0013  | .00306 | .90    |
| %RSD   | .51985 | .70818 | 1.3687 | .39782 | .06808 | .04478 | 1.4625 | .70418 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19657 | 65.210 | .40481 | .20465 | .29686 | 2.8195 | .20679 | 128.50 |
| #2 | .19802 | 64.561 | .41273 | .20581 | .29658 | 2.8177 | .21112 | 127.23 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .48087 | .07345 | 909.18 | .28991 | .20525 | 48.981 | .39809 | .68171 |
| Stddev | .00127 | .00229 | 16.72  | .00454 | .00024 | .242   | .00129 | .00038 |
| %RSD   | .26416 | 3.1121 | 1.8386 | 1.5663 | .11801 | .49463 | .32344 | .05520 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .47998 | .07184 | 921.00 | .28670 | .20542 | 49.152 | .39718 | .68144 |
| #2 | .48177 | .07507 | 897.36 | .29312 | .20508 | 48.810 | .39900 | .68198 |

|        |          |        |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 93.560 | 3.1855 | .64006 | .20417 | .22140 | 6.564  | 1.1005 | 5.8496 |
| Stddev | .249     | .0317  | .00481 | .00315 | .00134 | .022   | .0062  | .1413  |
| %RSD   | .26666   | .99510 | .75213 | 1.5422 | .60571 | .3332  | .56178 | 2.4160 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 93.384 | 3.2079 | .63665 | .20639 | .22235 | 6.549 | 1.1049 | 5.7497 |
| #2 | 93.737 | 3.1631 | .64346 | .20194 | .22045 | 6.580 | 1.0961 | 5.9495 |

Sample Name: J6069-01MSD      Acquired: 11/30/2018 18:30:29      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.3971 |
| Stddev | .0489  |
| %RSD   | 2.0387 |

|    |        |
|----|--------|
| #1 | 2.3626 |
| #2 | 2.4317 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3607.0 | 46808. | 3736.9 | 72.659 | 3496.2 |
| Stddev    | .7     | 705.   | 27.7   | .335   | 7.6    |
| %RSD      | .02019 | 1.5060 | .74057 | .46149 | .21641 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3607.5 | 47307. | 3717.3 | 72.422 | 3501.6 |
| #2 | 3606.5 | 46310. | 3756.4 | 72.896 | 3490.9 |

Sample Name: J6069-01A      Acquired: 11/30/2018 18:34:23      Type: Unk  
Method: P4-ICP2(v2618)      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    | .87657   | 1.7814 | .95303 | 2.0702 | .87566 | 2.1867 | .22965 | .22234 |
| Stddev | .00766   | .0137  | .01068 | .0137  | .00092 | .0190  | .00460 | .00020 |
| %RSD   | .87441   | .77120 | 1.1207 | .66156 | .10452 | .86967 | 2.0038 | .09156 |
| #1     | .88199   | 1.7912 | .96058 | 2.0799 | .87630 | 2.1733 | .22639 | .22220 |
| #2     | .87115   | 1.7717 | .94547 | 2.0605 | .87501 | 2.2002 | .23290 | .22248 |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19600   | 64.339 | .40960 | .20431 | .29678 | 2.8363 | .20967 | 126.70 |
| Stddev | .00139   | .843   | .00372 | .00187 | .00147 | .1172  | .00070 | 1.59   |
| %RSD   | .71009   | 1.3108 | .90732 | .91504 | .49636 | 4.1312 | .33560 | 1.2574 |
| #1     | .19698   | 63.742 | .41222 | .20563 | .29782 | 2.7534 | .21017 | 125.57 |
| #2     | .19501   | 64.935 | .40697 | .20298 | .29574 | 2.9191 | .20917 | 127.82 |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .47844   | .07306 | 889.36 | .28912 | .20867 | 49.084 | .39751 | .69617 |
| Stddev | .00267   | .00143 | 9.43   | .00020 | .00933 | .694   | .00183 | .00880 |
| %RSD   | .55857   | 1.9534 | 1.0605 | .06844 | 4.4693 | 1.4139 | .45981 | 1.2636 |
| #1     | .48033   | .07407 | 882.69 | .28926 | .20208 | 48.593 | .39880 | .68995 |
| #2     | .47655   | .07205 | 896.03 | .28898 | .21527 | 49.574 | .39622 | .70239 |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 93.106 | 3.2041 | .63528 | .20245 | .22156 | 6.527  | 1.0954 | 5.8481 |
| Stddev | .862     | .0553  | .00628 | .00496 | .00350 | .041   | .0115  | .0991  |
| %RSD   | .92536   | 1.7267 | .98799 | 2.4516 | 1.5813 | .6245  | 1.0524 | 1.6949 |
| #1     | 93.715   | 3.1650 | .63972 | .19894 | .21908 | 6.556  | 1.0872 | 5.9182 |
| #2     | 92.496   | 3.2432 | .63084 | .20595 | .22404 | 6.498  | 1.1035 | 5.7780 |



Sample Name: J6069-01A      Acquired: 11/30/2018 18:34:23      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.6170  
Stddev      .2469  
%RSD      9.4353

#1      2.4424  
#2      2.7916

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3615.4 | 46664. | 3736.9 | 71.689 | 3522.3 |
| Stddev    | 28.6   | 250.   | 59.5   | 2.867  | 34.6   |
| %RSD      | .79148 | .53629 | 1.5929 | 3.9986 | .98368 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3595.1 | 46487. | 3779.0 | 73.716 | 3497.8 |
| #2 | 3635.6 | 46841. | 3694.8 | 69.662 | 3546.8 |

Sample Name: CCV07      Acquired: 11/30/2018 18:38:16      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1812 | 4.8234 | 4.8920 | 4.9452 | 5.2092 | 10.170 | 10.073 | .24991 |
| Stddev | .0221  | .0137  | .0270  | .0190  | .0215  | .118   | .053   | .00071 |
| %RSD   | .42683 | .28434 | .55111 | .38372 | .41207 | 1.1636 | .52393 | .28277 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.1968 | 4.8331 | 4.9111 | 4.9586 | 5.2243 | 10.086 | 10.110 | .24941 |
| #2 | 5.1656 | 4.8137 | 4.8730 | 4.9318 | 5.1940 | 10.254 | 10.035 | .25041 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4406 | 25.863 | 1.0140 | 2.4988 | 1.2476 | 4.6506 | 2.5258 | 23.717 |
| Stddev | .0117  | .088   | .0041  | .0113  | .0046  | .0352  | .0112  | .003   |
| %RSD   | .47915 | .34176 | .40288 | .45079 | .36486 | .75766 | .44167 | .01076 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4489 | 25.800 | 1.0111 | 2.5067 | 1.2508 | 4.6755 | 2.5179 | 23.715 |
| #2 | 2.4323 | 25.925 | 1.0169 | 2.4908 | 1.2444 | 4.6257 | 2.5337 | 23.718 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3821 | 1.1850 | 24.401 | 2.3094 | 2.5774 | 23.346 | 4.7982 | 4.7606 |
| Stddev | .0121  | .0092  | .317   | .0140  | .0350  | .151   | .0204  | .0018  |
| %RSD   | .50990 | .77682 | 1.2997 | .60747 | 1.3600 | .64849 | .42601 | .03722 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3907 | 1.1785 | 24.626 | 2.2994 | 2.6022 | 23.453 | 4.8127 | 4.7594 |
| #2 | 2.3736 | 1.1915 | 24.177 | 2.3193 | 2.5526 | 23.239 | 4.7837 | 4.7619 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.5822 | 4.6890 | 4.6188 | 4.8849 | 4.9845 | 4.795  | 5.2721 | 5.2634 |
| Stddev | .0180  | .0190  | .0024  | .0205  | .0190  | .012   | .0148  | .0911  |
| %RSD   | .39179 | .40467 | .05300 | .41893 | .38070 | .2431  | .28045 | 1.7309 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 4.5949 | 4.7024 | 4.6205 | 4.8994 | 4.9980 | 4.803 | 5.2826 | 5.3279 |
| #2 | 4.5695 | 4.6756 | 4.6171 | 4.8704 | 4.9711 | 4.787 | 5.2617 | 5.1990 |

Sample Name: CCV07      Acquired: 11/30/2018 18:38:16      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.5227  
Stddev      .0560  
%RSD      2.2206

#1      2.5623  
#2      2.4831

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3774.9 | 50112. | 3684.7 | 70.503 | 3820.3 |
| Stddev    | 13.3   | 42.    | 26.2   | .872   | 16.9   |
| %RSD      | .35201 | .08467 | .71136 | 1.2367 | .44257 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3765.5 | 50142. | 3666.1 | 69.886 | 3808.4 |
| #2 | 3784.3 | 50082. | 3703.2 | 71.120 | 3832.3 |

Sample Name: CCB07      Acquired: 11/30/2018 18:42:00      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00035 | .00020 | -.00012 | .00371 | -.00115 | -.00478 | .00382 |
| Stddev | .00011 | .00084 | .00199  | .00078 | .00138  | .01667  | .00027 |
| %RSD   | 31.692 | 423.83 | 1627.9  | 21.117 | 120.38  | 348.88  | 7.0296 |

|    |        |         |         |        |         |         |        |
|----|--------|---------|---------|--------|---------|---------|--------|
| #1 | .00042 | .00079  | .00129  | .00315 | -.00212 | -.01656 | .00401 |
| #2 | .00027 | -.00040 | -.00153 | .00426 | -.00017 | .00701  | .00363 |

|        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00006 | .00001 | .00321 | -.00008 | -.00003 | .00021 | .01218 |
| Stddev | .00006 | .00002 | .00740 | .00023  | .00002  | .00010 | .01572 |
| %RSD   | 97.159 | 226.96 | 230.55 | 307.82  | 82.429  | 45.829 | 129.09 |

|    |        |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00011 | -.00000 | .00844  | -.00024 | -.00001 | .00015 | .00106 |
| #2 | .00002 | .00002  | -.00202 | .00009  | -.00004 | .00028 | .02329 |

|        |        |         |         |         |        |         |         |
|--------|--------|---------|---------|---------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00008 | -.06944 | -.00085 | -.00011 | .22538 | -.00068 | -.00098 |
| Stddev | .00005 | .01629  | .00014  | .00014  | .00133 | .00034  | .00002  |
| %RSD   | 60.971 | 23.453  | 16.599  | 133.19  | .58921 | 49.712  | 1.6045  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00005 | -.05792 | -.00075 | -.00021 | .22444 | -.00044 | -.00097 |
| #2 | .00012 | -.08096 | -.00095 | -.00001 | .22632 | -.00092 | -.00099 |

|        |        |        |         |           |        |         |        |
|--------|--------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .04410 | .00052 | -.00742 | F -.14287 | .00422 | -.00115 | .00455 |
| Stddev | .01568 | .00000 | .01189  | .00614    | .00051 | .00087  | .00097 |
| %RSD   | 35.555 | .21878 | 160.23  | 4.2988    | 12.050 | 75.420  | 21.382 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .05519 | .00052 | .00099  | -.14721 | .00386 | -.00176 | .00523 |
| #2 | .03302 | .00052 | -.01583 | -.13853 | .00458 | -.00054 | .00386 |

Sample Name: CCB07      Acquired: 11/30/2018 18:42:00      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00193 | -0.0047 | -0.00001 | F 4.3641 | F<.00000 |
| Stddev | .00192   | .0001   | .00006   | .0461    | .40167   |
| %RSD   | 99.575   | 3.112   | 568.01   | 1.0552   | 212.78   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00057 | -0.0046 | .00003   | 4.3315 | -.47280 |
| #2 | -0.00328 | -0.0048 | -0.00006 | 4.3966 | .09525  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3952.4 | 52770. | 3700.8 | 71.789 | 4408.5 |
| Stddev    | 3.8    | 17.    | 8.2    | .784   | 9.3    |
| %RSD      | .09591 | .03237 | .22225 | 1.0924 | .21208 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3955.1 | 52758. | 3706.6 | 72.343 | 4415.2 |
| #2 | 3949.8 | 52782. | 3695.0 | 71.234 | 4401.9 |

Sample Name: J6134-01      Acquired: 11/30/2018 18:53:48      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |        |        |         |
|--------|---------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00335 | -.00088 | -.00087 | .00098 | -.00060 | .01175 | .00355 | -.00008 |
| Stddev | .00051  | .00021  | .00035  | .00348 | .00041  | .00560 | .00050 | .00002  |
| %RSD   | 15.346  | 24.134  | 40.503  | 355.81 | 69.254  | 47.703 | 13.990 | 19.357  |

|    |         |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|---------|--------|--------|---------|
| #1 | -.00299 | -.00073 | -.00112 | -.00148 | -.00089 | .00779 | .00319 | -.00009 |
| #2 | -.00372 | -.00103 | -.00062 | .00344  | -.00030 | .01571 | .00390 | -.00007 |

|        |         |        |        |         |        |        |        |         |
|--------|---------|--------|--------|---------|--------|--------|--------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00009 | .07252 | .00092 | -.00015 | .01378 | .02108 | .00054 | -.07079 |
| Stddev | .00001  | .01181 | .00005 | .00017  | .00021 | .00595 | .00006 | .06619  |
| %RSD   | 7.6379  | 16.284 | 5.0554 | 115.14  | 1.5514 | 28.223 | 10.570 | 93.504  |

|    |         |        |        |         |        |        |        |         |
|----|---------|--------|--------|---------|--------|--------|--------|---------|
| #1 | -.00009 | .06417 | .00089 | -.00003 | .01363 | .01687 | .00050 | -.02398 |
| #2 | -.00010 | .08087 | .00095 | -.00027 | .01393 | .02529 | .00058 | -.11759 |

|        |         |         |        |         |        |        |        |         |
|--------|---------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00041 | -.00023 | .42913 | -.00034 | .01625 | .02114 | .00023 | -.01720 |
| Stddev | .00001  | .00016  | .01564 | .00012  | .00006 | .04307 | .00003 | .00335  |
| %RSD   | 1.4415  | 68.661  | 3.6450 | 35.580  | .35564 | 203.73 | 14.441 | 19.447  |

|    |         |         |        |         |        |         |        |         |
|----|---------|---------|--------|---------|--------|---------|--------|---------|
| #1 | -.00041 | -.00035 | .44019 | -.00026 | .01621 | .05159  | .00025 | -.01957 |
| #2 | -.00041 | -.00012 | .41807 | -.00043 | .01629 | -.00931 | .00021 | -.01484 |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.14333 | .02651 | -.00086 | .00369 | -.00186 | -.0034 | .00010 | 4.5605 |
| Stddev | .00050  | .00083 | .00052  | .00222 | .00116  | .0006  | .00011 | .2325  |
| %RSD   | .34645  | 3.1153 | 61.059  | 60.051 | 62.442  | 16.60  | 106.09 | 5.0979 |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | -.14298 | .02593 | -.00123 | .00526 | -.00104 | -.0038 | .00003 | 4.7249 |
| #2 | -.14368 | .02709 | -.00049 | .00213 | -.00268 | -.0030 | .00018 | 4.3961 |

Sample Name: J6134-01      Acquired: 11/30/2018 18:53:48      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      .61039  
 %RSD      157.80

#1      .04480  
 #2      -.81842

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3936.4 | 53000. | 3639.2 | 71.894 | 4369.2 |
| Stddev    | 8.7    | 160.   | 6.5    | .159   | 14.5   |
| %RSD      | .22213 | .30253 | .17788 | .22130 | .33103 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3930.2 | 52887. | 3643.8 | 72.007 | 4359.0 |
| #2 | 3942.6 | 53114. | 3634.6 | 71.782 | 4379.5 |

Sample Name: J6134-02      Acquired: 11/30/2018 18:57:52      Type: Unk  
Method: P4-ICP2(v2618)      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    | .01026   | -.00616  | .03318  | -.00008 | -.00172 | 17.274 | .33007 | .00087 |
| Stddev | .00172   | .00023   | .00032  | .00053  | .00004  | .074   | .00171 | .00008 |
| %RSD   | 16.747   | 3.7059   | .96888  | 634.38  | 2.0847  | .42607 | .51886 | 8.9498 |
| #1     | .01148   | -.00632  | .03295  | -.00046 | -.00175 | 17.326 | .33128 | .00081 |
| #2     | .00905   | -.00600  | .03341  | .00029  | -.00170 | 17.222 | .32886 | .00092 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00066  | 140.74   | .02161  | .01511  | .05291  | 39.418 | 3.6541 | 44.168 |
| Stddev | .00006   | .45      | .00002  | .00019  | .00039  | .603   | .0032  | .166   |
| %RSD   | 8.8080   | .31773   | .09884  | 1.2350  | .74010  | 1.5298 | .08624 | .37636 |
| #1     | -.00070  | 141.06   | .02163  | .01498  | .05263  | 39.844 | 3.6519 | 44.285 |
| #2     | -.00062  | 140.43   | .02160  | .01524  | .05318  | 38.991 | 3.6564 | 44.050 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01971   | -.00074  | 114.38  | .02987  | .13410  | 8.5079 | .00299 | .05006 |
| Stddev | .00020   | .00051   | .05     | .00033  | .00277  | .0067  | .00007 | .01297 |
| %RSD   | 1.0256   | 67.944   | .04569  | 1.0995  | 2.0624  | .07827 | 2.1991 | 25.913 |
| #1     | .01957   | -.00039  | 114.42  | .02964  | .13606  | 8.5031 | .00294 | .05923 |
| #2     | .01985   | -.00110  | 114.35  | .03010  | .13215  | 8.5126 | .00304 | .04089 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 10.248 | F 29.311 | -.00299 | .48684  | .02979  | .8835  | .36538 | 5.5502 |
| Stddev | .001     | .087     | .00035  | .00411  | .00027  | .0035  | .00061 | .1146  |
| %RSD   | .00668   | .29637   | 11.619  | .84322  | .90767  | .3980  | .16596 | 2.0642 |
| #1     | 10.249   | 29.372   | -.00275 | .48394  | .02960  | .8860  | .36580 | 5.6312 |
| #2     | 10.248   | 29.249   | -.00324 | .48975  | .02998  | .8810  | .36495 | 5.4692 |



Sample Name: J6134-02      Acquired: 11/30/2018 18:57:52      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 8.3549 |
| Stddev | .6115  |
| %RSD   | 7.3195 |

|    |        |
|----|--------|
| #1 | 7.9225 |
| #2 | 8.7873 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3728.3 | 49129. | 3689.6 | 68.247 | 3680.9 |
| Stddev    | 13.8   | 177.   | 16.9   | 1.385  | 17.5   |
| %RSD      | .37005 | .35967 | .45744 | 2.0289 | .47455 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3718.5 | 49004. | 3677.6 | 67.268 | 3668.5 |
| #2 | 3738.1 | 49253. | 3701.5 | 69.226 | 3693.2 |

Sample Name: J6134-02DUP      Acquired: 11/30/2018 19:01:50      Type: Unk  
Method: P4-ICP2(v2618)      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    | .01107  | -.00386  | .03212  | .00051  | -.00142 | 16.804 | .32248 | .00095 |
| Stddev | .00363  | .00082   | .00052  | .00100  | .00024  | .110   | .00450 | .00002 |
| %RSD   | 32.847  | 21.354   | 1.6300  | 194.57  | 16.973  | .65636 | 1.3940 | 1.8245 |
| #1     | .00850  | -.00445  | .03249  | .00122  | -.00158 | 16.882 | .32566 | .00096 |
| #2     | .01364  | -.00328  | .03175  | -.00019 | -.00125 | 16.726 | .31930 | .00094 |
| Elem   | Cd2265  | Ca3736   | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00062 | 137.71   | .02180  | .01452  | .05133  | 38.394 | 3.5891 | 43.325 |
| Stddev | .00025  | 2.29     | .00071  | .00027  | .00000  | 1.613  | .0489  | .520   |
| %RSD   | 40.886  | 1.6648   | 3.2732  | 1.8677  | .00621  | 4.2015 | 1.3631 | 1.1997 |
| #1     | -.00080 | 139.33   | .02230  | .01433  | .05133  | 39.535 | 3.6237 | 43.692 |
| #2     | -.00044 | 136.09   | .02130  | .01472  | .05133  | 37.254 | 3.5545 | 42.957 |
| Elem   | Ni2316  | Ag3280   | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01955  | -.00100  | 111.38  | .02922  | .13169  | 8.3472 | .00287 | .04732 |
| Stddev | .00021  | .00026   | 1.35    | .00034  | .00547  | .1592  | .00023 | .00160 |
| %RSD   | 1.0856  | 25.899   | 1.2092  | 1.1513  | 4.1538  | 1.9076 | 7.9228 | 3.3842 |
| #1     | .01970  | -.00118  | 112.34  | .02946  | .13556  | 8.4598 | .00303 | .04619 |
| #2     | .01940  | -.00081  | 110.43  | .02898  | .12782  | 8.2346 | .00271 | .04845 |
| Elem   | S_1820  | Si2881   | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.9830  | F 28.585 | -.00227 | .47065  | .02993  | .8613  | .35669 | 5.4716 |
| Stddev | .0549   | .560     | .00035  | .00601  | .00245  | .0049  | .00441 | .2543  |
| %RSD   | .54992  | 1.9579   | 15.543  | 1.2775  | 8.1945  | .5633  | 1.2352 | 4.6471 |
| #1     | 9.9442  | 28.980   | -.00252 | .47490  | .03167  | .8579  | .35980 | 5.6514 |
| #2     | 10.022  | 28.189   | -.00202 | .46639  | .02820  | .8648  | .35357 | 5.2918 |

Sample Name: J6134-02DUP      Acquired: 11/30/2018 19:01:50      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      8.5374  
Stddev      .0822  
%RSD      .96225

#1      8.5955  
#2      8.4794

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3743.4 | 49447. | 3721.6 | 68.265 | 3699.7 |
| Stddev    | 5.8    | 635.   | 57.3   | 3.286  | 9.6    |
| %RSD      | .15429 | 1.2840 | 1.5383 | 4.8140 | .25836 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3739.3 | 48998. | 3681.1 | 65.941 | 3692.9 |
| #2 | 3747.5 | 49896. | 3762.1 | 70.589 | 3706.5 |

Sample Name: J6134-02LX5      Acquired: 11/30/2018 19:05:50      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00322 | -.00219 | .00557 | .00082 | -.00310 | 3.3107 | .06990 | .00031 |
| Stddev | .00171 | .00086  | .00062 | .00101 | .00230  | .0294  | .00088 | .00004 |
| %RSD   | 52.894 | 39.115  | 11.106 | 122.06 | 74.274  | .88903 | 1.2570 | 12.538 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00443 | -.00158 | .00600 | .00011 | -.00473 | 3.2898 | .06928 | .00028 |
| #2 | .00202 | -.00280 | .00513 | .00154 | -.00147 | 3.3315 | .07052 | .00033 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00016 | 28.881 | .00381 | .00293 | .01089 | 7.7923 | .75183 | 9.0455 |
| Stddev | .00009  | .156   | .00063 | .00016 | .00028 | .1473  | .00006 | .0795  |
| %RSD   | 55.606  | .53977 | 16.612 | 5.4304 | 2.6141 | 1.8902 | .00744 | .87865 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00022 | 28.991 | .00337 | .00282 | .01109 | 7.6881 | .75187 | 9.1017 |
| #2 | -.00009 | 28.770 | .00426 | .00304 | .01069 | 7.8964 | .75179 | 8.9893 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00277 | -.00044 | 22.792 | .00583 | .02694 | 1.6808 | .00024 | -.01015 |
| Stddev | .00010 | .00028  | .076   | .00069 | .00044 | .0068  | .00006 | .00000  |
| %RSD   | 3.6257 | 63.450  | .33371 | 11.854 | 1.6326 | .40600 | 25.465 | .02933  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .00284 | -.00024 | 22.846 | .00534 | .02663 | 1.6856 | .00020 | -.01015 |
| #2 | .00270 | -.00064 | 22.739 | .00632 | .02725 | 1.6759 | .00028 | -.01014 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.8009 | 6.1806 | -.00230 | .10309 | .00240 | .1611  | .07374 | 4.9774 |
| Stddev | .0014  | .0752  | .00038  | .00137 | .00125 | .0005  | .00084 | .0345  |
| %RSD   | .07772 | 1.2175 | 16.754  | 1.3314 | 52.190 | .3217  | 1.1414 | .69289 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 1.8019 | 6.2338 | -.00202 | .10406 | .00151 | .1608 | .07434 | 5.0018 |
| #2 | 1.7999 | 6.1274 | -.00257 | .10212 | .00329 | .1615 | .07314 | 4.9530 |

Sample Name: J6134-02LX5      Acquired: 11/30/2018 19:05:50      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.1091  
Stddev      .0159  
%RSD      .75300

#1      2.1203  
#2      2.0978

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3899.7 | 51274. | 3716.8 | 70.130 | 4090.7 |
| Stddev    | 9.8    | 42.    | 26.1   | .678   | 14.5   |
| %RSD      | .25146 | .08095 | .70202 | .96734 | .35527 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3892.8 | 51303. | 3698.3 | 70.610 | 4080.4 |
| #2 | 3906.6 | 51244. | 3735.2 | 69.651 | 4101.0 |

Sample Name: J6134-02MS      Acquired: 11/30/2018 19:09:52      Type: Unk  
Method: P4-ICP2(v2618)      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    | .85742 | 1.9384   | 1.0280 | 1.9870 | .86605 | 20.120 | .55867 | .21214 |
| Stddev | .01734 | .0495    | .0175  | .0389  | .01209 | .031   | .00194 | .00177 |
| %RSD   | 2.0219 | 2.5513   | 1.7000 | 1.9597 | 1.3964 | .15635 | .34704 | .83582 |
| #1     | .84516 | 1.9034   | 1.0156 | 1.9595 | .85750 | 20.098 | .55730 | .21088 |
| #2     | .86968 | 1.9734   | 1.0403 | 2.0145 | .87460 | 20.142 | .56004 | .21339 |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20078 | 145.46   | .44895 | .22672 | .35236 | 39.203 | 3.8775 | 46.818 |
| Stddev | .00349 | .92      | .00055 | .00388 | .00513 | 1.813  | .0358  | .497   |
| %RSD   | 1.7367 | .62944   | .12212 | 1.7125 | 1.4566 | 4.6258 | .92318 | 1.0618 |
| #1     | .19832 | 144.82   | .44934 | .22397 | .34873 | 37.921 | 3.8522 | 46.466 |
| #2     | .20325 | 146.11   | .44856 | .22946 | .35599 | 40.485 | 3.9028 | 47.169 |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51808 | .07038   | 120.37 | .33068 | .35371 | 18.908 | .43535 | .35009 |
| Stddev | .01103 | .00070   | .58    | .00213 | .01458 | .032   | .00763 | .01883 |
| %RSD   | 2.1299 | .98819   | .48099 | .64527 | 4.1222 | .17060 | 1.7528 | 5.3790 |
| #1     | .51027 | .06989   | 119.96 | .32917 | .34340 | 18.885 | .42995 | .33677 |
| #2     | .52588 | .07087   | 120.78 | .33219 | .36402 | 18.931 | .44074 | .36341 |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.4499 | F 33.914 | .70371 | .77983 | .24602 | 6.907  | .60307 | 5.2706 |
| Stddev | .1829  | .035     | .01200 | .02021 | .00373 | .140   | .00058 | .0088  |
| %RSD   | 1.9357 | .10350   | 1.7059 | 2.5921 | 1.5169 | 2.021  | .09576 | .16633 |
| #1     | 9.3205 | 33.939   | .69522 | .79413 | .24338 | 6.808  | .60267 | 5.2768 |
| #2     | 9.5792 | 33.889   | .71219 | .76554 | .24866 | 7.005  | .60348 | 5.2644 |

Sample Name: J6134-02MS      Acquired: 11/30/2018 19:09:52      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      7.0254  
 Stddev      .4372  
 %RSD      6.2230

#1      6.7162  
 #2      7.3345

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3793.7 | 49874. | 3670.1 | 67.363 | 3730.9 |
| Stddev    | 48.2   | 194.   | 5.3    | 2.414  | 58.2   |
| %RSD      | 1.2717 | .38827 | .14331 | 3.5843 | 1.5586 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3827.8 | 50011. | 3673.8 | 69.070 | 3772.0 |
| #2 | 3759.6 | 49738. | 3666.4 | 65.655 | 3689.8 |

Sample Name: J6134-02MSD      Acquired: 11/30/2018 19:13:40      Type: Unk  
Method: P4-ICP2(v2618)      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    | .86510 | 1.9612   | 1.0421 | 1.9915 | .87152 | 20.057 | .55486 | .21458 |
| Stddev | .00505 | .0176    | .0029  | .0132  | .00381 | .160   | .00444 | .00006 |
| %RSD   | .58320 | .89597   | .27882 | .66043 | .43705 | .79846 | .80061 | .02632 |
| #1     | .86153 | 1.9488   | 1.0401 | 1.9822 | .86883 | 19.943 | .55172 | .21462 |
| #2     | .86867 | 1.9736   | 1.0442 | 2.0008 | .87421 | 20.170 | .55800 | .21454 |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20347 | 143.63   | .45395 | .22863 | .35604 | 38.616 | 3.9069 | 46.614 |
| Stddev | .00102 | 1.59     | .00103 | .00127 | .00133 | 1.401  | .0003  | .736   |
| %RSD   | .50307 | 1.1072   | .22648 | .55482 | .37364 | 3.6268 | .00767 | 1.5785 |
| #1     | .20274 | 142.51   | .45467 | .22774 | .35510 | 37.626 | 3.9067 | 46.094 |
| #2     | .20419 | 144.76   | .45322 | .22953 | .35698 | 39.606 | 3.9071 | 47.134 |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .52498 | .07090   | 119.63 | .33351 | .34724 | 18.710 | .43736 | .33374 |
| Stddev | .00258 | .00082   | .84    | .00058 | .01079 | .199   | .00185 | .00773 |
| %RSD   | .49177 | 1.1579   | .70170 | .17242 | 3.1070 | 1.0613 | .42352 | 2.3172 |
| #1     | .52315 | .07032   | 119.04 | .33311 | .33961 | 18.569 | .43605 | .32827 |
| #2     | .52680 | .07148   | 120.22 | .33392 | .35487 | 18.850 | .43867 | .33921 |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.5833 | F 33.621 | .71352 | .76430 | .24876 | 6.998  | .59642 | 5.3388 |
| Stddev | .0261  | .024     | .00389 | .00305 | .00480 | .034   | .00484 | .0788  |
| %RSD   | .27215 | .07082   | .54512 | .39854 | 1.9303 | .4908  | .81179 | 1.4766 |
| #1     | 9.5649 | 33.604   | .71077 | .76214 | .24536 | 6.973  | .59300 | 5.3946 |
| #2     | 9.6017 | 33.638   | .71627 | .76645 | .25215 | 7.022  | .59984 | 5.2831 |



Sample Name: J6134-02MSD      Acquired: 11/30/2018 19:13:40      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      6.7506  
Stddev      .4571  
%RSD      6.7716

#1      6.4274  
#2      7.0738

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3780.2 | 49720. | 3719.6 | 68.774 | 3692.9 |
| Stddev    | .6     | 24.    | 4.4    | 1.873  | 5.0    |
| %RSD      | .01574 | .04915 | .11820 | 2.7227 | .13546 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3779.7 | 49703. | 3722.7 | 70.098 | 3696.5 |
| #2 | 3780.6 | 49737. | 3716.5 | 67.450 | 3689.4 |

Sample Name: J6134-02A      Acquired: 11/30/2018 19:17:28      Type: Unk  
Method: P4-ICP2(v2618)      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    | .87126 | 1.9848   | 1.0512 | 2.0186 | .88023 | 20.364 | .56492 | .21545 |
| Stddev | .00207 | .0063    | .0034  | .0007  | .00043 | .142   | .00059 | .00024 |
| %RSD   | .23807 | .31814   | .32416 | .03631 | .04839 | .69597 | .10449 | .11197 |
| #1     | .87273 | 1.9803   | 1.0488 | 2.0191 | .88053 | 20.264 | .56450 | .21562 |
| #2     | .86980 | 1.9892   | 1.0536 | 2.0180 | .87992 | 20.464 | .56534 | .21528 |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20575 | 146.17   | .45545 | .23138 | .36139 | 39.278 | 3.9371 | 47.380 |
| Stddev | .00137 | 1.13     | .00109 | .00201 | .00040 | .835   | .0101  | .124   |
| %RSD   | .66460 | .77452   | .23830 | .86756 | .11150 | 2.1252 | .25637 | .26117 |
| #1     | .20478 | 145.37   | .45469 | .22996 | .36168 | 39.869 | 3.9442 | 47.293 |
| #2     | .20672 | 146.97   | .45622 | .23280 | .36111 | 38.688 | 3.9300 | 47.468 |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .52970 | .07134   | 122.07 | .33644 | .35257 | 19.093 | .44241 | .34803 |
| Stddev | .00201 | .00103   | .08    | .00157 | .00817 | .000   | .00192 | .01295 |
| %RSD   | .37998 | 1.4494   | .06347 | .46720 | 2.3167 | .00259 | .43508 | 3.7218 |
| #1     | .52828 | .07207   | 122.13 | .33756 | .35835 | 19.092 | .44377 | .33887 |
| #2     | .53113 | .07061   | 122.02 | .33533 | .34680 | 19.093 | .44105 | .35719 |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.6881 | F 34.303 | .72181 | .81578 | .25631 | 7.054  | .60688 | 5.3649 |
| Stddev | .0575  | .103     | .00411 | .01555 | .00196 | .030   | .00322 | .0532  |
| %RSD   | .59340 | .30089   | .56892 | 1.9063 | .76542 | .4210  | .53100 | .99197 |
| #1     | 9.6475 | 34.376   | .71890 | .80478 | .25492 | 7.033  | .60460 | 5.4025 |
| #2     | 9.7288 | 34.230   | .72471 | .82677 | .25770 | 7.075  | .60916 | 5.3272 |

Sample Name: J6134-02A      Acquired: 11/30/2018 19:17:28      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      6.7940  
 Stddev      .4017  
 %RSD      5.9130

#1      6.5099  
 #2      7.0780

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3757.7 | 49602. | 3674.2 | 67.966 | 3675.5 |
| Stddev    | 19.3   | 154.   | 25.1   | 1.959  | .6     |
| %RSD      | .51270 | .30951 | .68418 | 2.8818 | .01654 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3744.1 | 49493. | 3656.5 | 66.581 | 3675.9 |
| #2 | 3771.3 | 49710. | 3692.0 | 69.351 | 3675.1 |

Sample Name: J6134-03      Acquired: 11/30/2018 19:21:15      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00470   | -.00192  | .02080  | .00999 | -.00223 | 17.284 | .15665 | .00074 |
| Stddev | .00046   | .00031   | .00043  | .00020 | .00148  | .012   | .00030 | .00007 |
| %RSD   | 9.8791   | 16.203   | 2.0565  | 1.9568 | 66.220  | .06670 | .19391 | 9.1321 |
| #1     | .00438   | -.00170  | .02049  | .00985 | -.00328 | 17.293 | .15644 | .00079 |
| #2     | .00503   | -.00214  | .02110  | .01012 | -.00119 | 17.276 | .15687 | .00069 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00049  | 158.93   | .02309  | .01072 | .03846  | 21.914 | .66335 | 23.598 |
| Stddev | .00007   | .57      | .00037  | .00040 | .00117  | .169   | .00049 | .238   |
| %RSD   | 13.597   | .35779   | 1.5928  | 3.7388 | 3.0346  | .76961 | .07399 | 1.0104 |
| #1     | -.00054  | 158.53   | .02283  | .01044 | .03928  | 22.034 | .66300 | 23.430 |
| #2     | -.00044  | 159.33   | .02335  | .01101 | .03763  | 21.795 | .66369 | 23.767 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01282   | -.00045  | 69.414  | .03015 | .12266  | 6.3052 | .00279 | .04790 |
| Stddev | .00018   | .00019   | .339    | .00018 | .00017  | .0433  | .00014 | .00131 |
| %RSD   | 1.3690   | 42.158   | .48867  | .58121 | .14200  | .68708 | 5.1207 | 2.7390 |
| #1     | .01270   | -.00031  | 69.174  | .03003 | .12278  | 6.3358 | .00290 | .04697 |
| #2     | .01295   | -.00058  | 69.654  | .03028 | .12253  | 6.2746 | .00269 | .04883 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 13.837 | F 21.179 | -.00372 | .72887 | .01808  | .5710  | .41900 | 5.1683 |
| Stddev | .024     | .052     | .00038  | .00776 | .00007  | .0008  | .00160 | .1102  |
| %RSD   | .17140   | .24367   | 10.248  | 1.0653 | .36284  | .1365  | .38280 | 2.1325 |
| #1     | 13.820   | 21.143   | -.00345 | .72338 | .01804  | .5716  | .41787 | 5.2462 |
| #2     | 13.854   | 21.216   | -.00399 | .73436 | .01813  | .5705  | .42014 | 5.0904 |

Sample Name: J6134-03      Acquired: 11/30/2018 19:21:15      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.7058 |
| Stddev | .3204  |
| %RSD   | 5.6155 |

|    |        |
|----|--------|
| #1 | 5.9324 |
| #2 | 5.4793 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3783.6 | 49849. | 3693.4 | 68.365 | 3788.0 |
| Stddev    | .7     | 220.   | 9.9    | .477   | 6.8    |
| %RSD      | .01907 | .44202 | .26734 | .69766 | .17980 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3784.1 | 49693. | 3700.4 | 68.028 | 3783.1 |
| #2 | 3783.1 | 50005. | 3686.5 | 68.702 | 3792.8 |

Sample Name: J6134-04      Acquired: 11/30/2018 19:25:13      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00576   | -.00542  | .02637  | -.00207 | -.00072 | 21.543 | .43173 | .00086 |
| Stddev | .00372   | .00056   | .00027  | .00050  | .00156  | .250   | .00109 | .00002 |
| %RSD   | 64.580   | 10.415   | 1.0390  | 24.000  | 217.26  | 1.1590 | .25219 | 2.1996 |
| #1     | .00839   | -.00581  | .02617  | -.00172 | -.00182 | 21.366 | .43250 | .00085 |
| #2     | .00313   | -.00502  | .02656  | -.00242 | .00039  | 21.719 | .43096 | .00088 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00012  | 191.90   | .10652  | .01465  | .07152  | 30.995 | 2.0225 | 53.100 |
| Stddev | .00007   | .59      | .00203  | .00021  | .00114  | .346   | .0280  | .010   |
| %RSD   | 59.575   | .30673   | 1.9043  | 1.4447  | 1.5936  | 1.1175 | 1.3862 | .01814 |
| #1     | -.00017  | 192.31   | .10509  | .01450  | .07232  | 31.239 | 2.0026 | 53.107 |
| #2     | -.00007  | 191.48   | .10795  | .01480  | .07071  | 30.750 | 2.0423 | 53.093 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04640   | -.00086  | 334.20  | .03990  | .19114  | 11.549 | .00285 | .02313 |
| Stddev | .00003   | .00010   | 1.42    | .00070  | .00225  | .004   | .00007 | .00959 |
| %RSD   | .07513   | 11.303   | .42583  | 1.7547  | 1.1764  | .03448 | 2.4999 | 41.455 |
| #1     | .04638   | -.00079  | 333.19  | .03941  | .19273  | 11.547 | .00290 | .02991 |
| #2     | .04643   | -.00093  | 335.21  | .04040  | .18955  | 11.552 | .00280 | .01635 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 13.899 | F 32.725 | -.00201 | .96269  | .03230  | .5550  | .66454 | 5.7662 |
| Stddev | .013     | .056     | .00120  | .01153  | .00108  | .0004  | .00293 | .1477  |
| %RSD   | .09524   | .17147   | 59.562  | 1.1973  | 3.3564  | .0669  | .44161 | 2.5617 |
| #1     | 13.890   | 32.685   | -.00286 | .95454  | .03154  | .5553  | .66661 | 5.6617 |
| #2     | 13.908   | 32.764   | -.00117 | .97084  | .03307  | .5548  | .66246 | 5.8706 |

Sample Name: J6134-04      Acquired: 11/30/2018 19:25:13      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 8.1737 |
| Stddev | .3883  |
| %RSD   | 4.7506 |

|    |        |
|----|--------|
| #1 | 8.4483 |
| #2 | 7.8991 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3619.6 | 47668. | 3653.8 | 68.040 | 3531.0 |
| Stddev    | 4.3    | 490.   | 10.2   | .899   | 11.6   |
| %RSD      | .11979 | 1.0275 | .27984 | 1.3209 | .32788 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3616.5 | 48015. | 3646.6 | 67.405 | 3522.8 |
| #2 | 3622.6 | 47322. | 3661.0 | 68.676 | 3539.2 |

Sample Name: J6134-05      Acquired: 11/30/2018 19:29:17      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |          |        |         |        |        |        |         |
|--------|---------|----------|--------|---------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908   | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00335  | -.00180  | .02828 | -.00033 | .00136 | 11.575 | .09037 | .00032  |
| Stddev | .00014  | .00029   | .00046 | .00003  | .00071 | .075   | .00012 | .00006  |
| %RSD   | 4.1356  | 15.888   | 1.6174 | 9.4196  | 52.292 | .64501 | .13093 | 18.618  |
| #1     | .00345  | -.00160  | .02861 | -.00035 | .00186 | 11.627 | .09029 | .00028  |
| #2     | .00325  | -.00200  | .02796 | -.00031 | .00086 | 11.522 | .09046 | .00036  |
| Elem   | Cd2265  | Ca3736   | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00019 | 26.988   | .02138 | .00758  | .08708 | 16.907 | .34395 | 10.852  |
| Stddev | .00007  | .066     | .00011 | .00013  | .00051 | .217   | .00473 | .101    |
| %RSD   | 35.846  | .24365   | .51660 | 1.7454  | .58942 | 1.2816 | 1.3744 | .92745  |
| #1     | -.00024 | 27.034   | .02130 | .00767  | .08671 | 17.060 | .34729 | 10.923  |
| #2     | -.00014 | 26.941   | .02145 | .00748  | .08744 | 16.754 | .34061 | 10.781  |
| Elem   | Ni2316  | Ag3280   | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .01483  | -.00077  | 14.931 | .02449  | .26044 | 5.7803 | .00690 | -.00871 |
| Stddev | .00026  | .00032   | .034   | .00036  | .00279 | .0064  | .00033 | .00163  |
| %RSD   | 1.7285  | 41.989   | .22788 | 1.4895  | 1.0717 | .11044 | 4.8358 | 18.761  |
| #1     | .01501  | -.00054  | 14.955 | .02475  | .26241 | 5.7848 | .00666 | -.00986 |
| #2     | .01465  | -.00099  | 14.907 | .02423  | .25846 | 5.7757 | .00713 | -.00755 |
| Elem   | S_1820  | Si2881   | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | 1.5301  | F 14.685 | .00082 | .55059  | .00833 | .7166  | .07019 | 4.4398  |
| Stddev | .0121   | .043     | .00024 | .00482  | .00063 | .0031  | .00003 | .0637   |
| %RSD   | .78992  | .29045   | 28.886 | .87606  | 7.5212 | .4311  | .04031 | 1.4350  |
| #1     | 1.5386  | 14.715   | .00099 | .54718  | .00877 | .7188  | .07017 | 4.3947  |
| #2     | 1.5215  | 14.655   | .00065 | .55400  | .00789 | .7144  | .07021 | 4.4848  |



Sample Name: J6134-05      Acquired: 11/30/2018 19:29:17      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      4.0499  
Stddev      .4481  
%RSD      11.064

#1      3.7331  
#2      4.3668

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3932.0 | 52469. | 3726.1 | 71.668 | 4135.6 |
| Stddev    | 28.8   | 455.   | 2.4    | 1.015  | 38.9   |
| %RSD      | .73152 | .86696 | .06432 | 1.4166 | .94096 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3911.6 | 52147. | 3724.4 | 70.951 | 4108.0 |
| #2 | 3952.3 | 52790. | 3727.8 | 72.386 | 4163.1 |

Sample Name: CCV08      Acquired: 11/30/2018 19:33:17      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1139 | 4.8006 | 4.8706 | 4.8708 | 5.1361 | 10.160 | 10.062 | .25049 |
| Stddev | .0157  | .0283  | .0225  | .0277  | .0268  | .090   | .038   | .00196 |
| %RSD   | .30779 | .58887 | .46180 | .56864 | .52261 | .88157 | .37411 | .78362 |
| #1     | 5.1027 | 4.7806 | 4.8547 | 4.8512 | 5.1172 | 10.097 | 10.089 | .24910 |
| #2     | 5.1250 | 4.8206 | 4.8865 | 4.8904 | 5.1551 | 10.224 | 10.036 | .25188 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4330 | 25.890 | 1.0229 | 2.4863 | 1.2364 | 4.7279 | 2.5331 | 23.747 |
| Stddev | .0117  | .023   | .0039  | .0114  | .0064  | .1104  | .0159  | .028   |
| %RSD   | .48117 | .09035 | .37926 | .45903 | .52024 | 2.3352 | .62736 | .11604 |
| #1     | 2.4247 | 25.873 | 1.0202 | 2.4782 | 1.2318 | 4.6498 | 2.5219 | 23.728 |
| #2     | 2.4413 | 25.906 | 1.0257 | 2.4944 | 1.2409 | 4.8059 | 2.5443 | 23.767 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3791 | 1.1897 | 24.103 | 2.3284 | 2.6155 | 23.236 | 4.7637 | 4.7677 |
| Stddev | .0096  | .0046  | .010   | .0093  | .0590  | .056   | .0255  | .0135  |
| %RSD   | .40502 | .38612 | .04251 | .39882 | 2.2543 | .24055 | .53524 | .28301 |
| #1     | 2.3723 | 1.1865 | 24.110 | 2.3219 | 2.5738 | 23.276 | 4.7457 | 4.7581 |
| #2     | 2.3859 | 1.1930 | 24.096 | 2.3350 | 2.6572 | 23.197 | 4.7818 | 4.7772 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.5125 | 4.7361 | 4.6086 | 4.8870 | 4.9651 | 4.759  | 5.2662 | 5.1846 |
| Stddev | .0282  | .0177  | .0249  | .0208  | .0127  | .032   | .0037  | .0415  |
| %RSD   | .62581 | .37487 | .53937 | .42603 | .25593 | .6791  | .07051 | .79940 |
| #1     | 4.4925 | 4.7487 | 4.5911 | 4.8723 | 4.9741 | 4.737  | 5.2688 | 5.1553 |
| #2     | 4.5324 | 4.7236 | 4.6262 | 4.9018 | 4.9562 | 4.782  | 5.2635 | 5.2139 |

Sample Name: CCV08      Acquired: 11/30/2018 19:33:17      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.0320  
Stddev      .4577  
%RSD      22.525

#1      2.3557  
#2      1.7084

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3869.1 | 50721. | 3732.2 | 70.298 | 3893.9 |
| Stddev    | 10.0   | 321.   | 3.3    | 1.443  | 8.8    |
| %RSD      | .25863 | .63202 | .08812 | 2.0524 | .22639 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3876.2 | 50948. | 3729.8 | 71.318 | 3900.1 |
| #2 | 3862.0 | 50494. | 3734.5 | 69.278 | 3887.7 |

Sample Name: CCB08      Acquired: 11/30/2018 19:37:02      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00072 | .00087 | -.00001 | .00294 | -.00274 | .01792 | .00343 |
| Stddev | .00105 | .00067 | .00012  | .00001 | .00039  | .00372 | .00063 |
| %RSD   | 145.10 | 77.240 | 1170.5  | .17931 | 14.350  | 20.765 | 18.257 |

|    |         |        |         |        |         |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|
| #1 | .00147  | .00134 | -.00009 | .00293 | -.00247 | .02055 | .00299 |
| #2 | -.00002 | .00039 | .00007  | .00294 | -.00302 | .01529 | .00387 |

|        |        |         |         |         |        |         |        |
|--------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00006 | -.00001 | -.00047 | -.00026 | .00004 | -.00033 | .00149 |
| Stddev | .00004 | .00000  | .01248  | .00016  | .00026 | .00043  | .00129 |
| %RSD   | 56.839 | 18.604  | 2662.9  | 61.629  | 636.58 | 132.47  | 86.632 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00004 | -.00001 | -.00929 | -.00038 | .00023  | -.00002 | .00058 |
| #2 | .00009 | -.00001 | .00836  | -.00015 | -.00015 | -.00064 | .00240 |

|        |        |         |         |        |         |         |         |
|--------|--------|---------|---------|--------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00011 | -.02755 | -.00064 | .00050 | -.05748 | -.00032 | -.00099 |
| Stddev | .00000 | .00089  | .00033  | .00033 | .00147  | .00052  | .00000  |
| %RSD   | .42724 | 3.2280  | 51.855  | 65.634 | 2.5557  | 161.51  | .22027  |

|    |        |         |         |        |         |         |         |
|----|--------|---------|---------|--------|---------|---------|---------|
| #1 | .00012 | -.02692 | -.00041 | .00073 | -.05644 | .00005  | -.00099 |
| #2 | .00011 | -.02818 | -.00088 | .00027 | -.05852 | -.00069 | -.00099 |

|        |         |        |         |           |        |         |        |
|--------|---------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.00711 | .00053 | -.01422 | F -.15739 | .00743 | -.00193 | .00313 |
| Stddev | .01596  | .00024 | .01155  | .00083    | .00035 | .00090  | .00042 |
| %RSD   | 224.31  | 44.824 | 81.218  | .52924    | 4.7778 | 46.848  | 13.460 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.01840 | .00069 | -.00605 | -.15680 | .00718 | -.00129 | .00343 |
| #2 | .00417  | .00036 | -.02239 | -.15798 | .00768 | -.00257 | .00283 |

Sample Name: CCB08      Acquired: 11/30/2018 19:37:02      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00557 | -0.0037 | -0.00010 | F 4.1896 | F<.00000 |
| Stddev | .00101   | .0002   | .00003   | .1638    | .17170   |
| %RSD   | 18.133   | 6.513   | 28.530   | 3.9087   | 59.802   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00628 | -0.0039 | -0.00013 | 4.0738 | -.40852 |
| #2 | -0.00485 | -0.0035 | -0.00008 | 4.3053 | -.16570 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4028.3 | 53297. | 3740.3 | 73.520 | 4462.9 |
| Stddev    | 1.5    | 211.   | 16.9   | 2.832  | 5.6    |
| %RSD      | .03773 | .39657 | .45192 | 3.8515 | .12620 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4027.3 | 53446. | 3728.4 | 71.518 | 4458.9 |
| #2 | 4029.4 | 53147. | 3752.3 | 75.523 | 4466.9 |

Sample Name: J6134-06      Acquired: 11/30/2018 19:41:07      Type: Unk  
Method: P4-ICP2(v2618)      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    | .02144 | -.00252 | .09617 | .00570 | .01080 | 3.8922 | .06672 | .00039 |
| Stddev | .00232 | .00097  | .00017 | .00051 | .00024 | .0204  | .00047 | .00001 |
| %RSD   | 10.842 | 38.545  | .17341 | 8.9785 | 2.2330 | .52413 | .70055 | 2.0628 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .01980 | -.00184 | .09605 | .00607 | .01063 | 3.9066 | .06705 | .00039 |
| #2 | .02309 | -.00321 | .09628 | .00534 | .01098 | 3.8777 | .06639 | .00038 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00288 | 80.171 | .01023 | .00451 | .09094 | 9.7270 | .48720 | 15.413 |
| Stddev | .00006 | .576   | .00013 | .00007 | .00057 | .0497  | .00156 | .034   |
| %RSD   | 1.9481 | .71856 | 1.2348 | 1.5912 | .62698 | .51096 | .31991 | .22044 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00292 | 79.764 | .01014 | .00456 | .09135 | 9.6918 | .48609 | 15.389 |
| #2 | .00284 | 80.578 | .01032 | .00446 | .09054 | 9.7621 | .48830 | 15.437 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02915 | -.00018 | 8.2235 | .01316 | .80388 | 2.2495 | .05536 | .01060 |
| Stddev | .00035 | .00026  | .0169  | .00071 | .00957 | .0020  | .00050 | .01472 |
| %RSD   | 1.2111 | 146.30  | .20529 | 5.4223 | 1.1905 | .09078 | .89671 | 138.89 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .02940 | .00001  | 8.2116 | .01366 | .79711 | 2.2480 | .05501 | .02101 |
| #2 | .02890 | -.00036 | 8.2354 | .01265 | .81064 | 2.2509 | .05571 | .00019 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.4434 | 8.2890 | .00261 | .15310 | .00211 | .8569  | .18721 | 4.7297 |
| Stddev | .0068  | .0536  | .00013 | .00025 | .00079 | .0031  | .00060 | .0378  |
| %RSD   | .46828 | .64622 | 4.8780 | .16560 | 37.568 | .3627  | .32249 | .80007 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 1.4482 | 8.2511 | .00270 | .15292 | .00155 | .8591 | .18678 | 4.7030 |
| #2 | 1.4386 | 8.3269 | .00252 | .15328 | .00268 | .8547 | .18764 | 4.7565 |

Sample Name: J6134-06      Acquired: 11/30/2018 19:41:07      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.6735  
Stddev      .3021  
%RSD      11.299

#1      2.8872  
#2      2.4599

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3862.3 | 51618. | 3732.6 | 70.080 | 4021.9 |
| Stddev    | 27.0   | 53.    | 23.4   | .484   | 24.1   |
| %RSD      | .69926 | .10270 | .62594 | .69109 | .59984 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3843.2 | 51580. | 3749.2 | 70.423 | 4004.8 |
| #2 | 3881.4 | 51655. | 3716.1 | 69.738 | 4039.0 |

Sample Name: J6134-07      Acquired: 11/30/2018 19:45:08      Type: Unk  
Method: P4-ICP2(v2618)      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    | .03600 | -.00224 | .09165 | .00328 | .01609 | 4.0690 | .07363 | .00038 |
| Stddev | .00117 | .00005  | .00046 | .00085 | .00171 | .1572  | .00009 | .00003 |
| %RSD   | 3.2612 | 2.2403  | .50366 | 25.952 | 10.620 | 3.8632 | .12328 | 7.9689 |
| #1     | .03517 | -.00227 | .09132 | .00268 | .01729 | 4.1802 | .07369 | .00040 |
| #2     | .03684 | -.00220 | .09197 | .00388 | .01488 | 3.9579 | .07356 | .00036 |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00313 | 80.294  | .01066 | .00562 | .08993 | 10.033 | .47136 | 15.095 |
| Stddev | .00007 | .392    | .00021 | .00028 | .00040 | .066   | .01658 | .155   |
| %RSD   | 2.1607 | .48875  | 1.9679 | 4.9765 | .44592 | .65990 | 3.5173 | 1.0294 |
| #1     | .00318 | 80.571  | .01081 | .00582 | .08964 | 9.9864 | .48309 | 15.205 |
| #2     | .00308 | 80.016  | .01052 | .00542 | .09021 | 10.080 | .45964 | 14.985 |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03625 | .00025  | 8.8003 | .01480 | 1.0862 | 2.3309 | .06926 | .00801 |
| Stddev | .00014 | .00016  | .0342  | .00020 | .0103  | .0338  | .00020 | .00250 |
| %RSD   | .37244 | 65.419  | .38843 | 1.3795 | .94794 | 1.4512 | .28776 | 31.151 |
| #1     | .03615 | .00036  | 8.8245 | .01495 | 1.0789 | 2.3548 | .06911 | .00978 |
| #2     | .03634 | .00013  | 8.7761 | .01466 | 1.0935 | 2.3070 | .06940 | .00625 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.7361 | 8.5380  | .00313 | .16504 | .00304 | .8396  | .19068 | 4.6677 |
| Stddev | .0055  | .0906   | .00003 | .00419 | .00054 | .0050  | .00190 | .4715  |
| %RSD   | .31857 | 1.0616  | .84255 | 2.5363 | 17.646 | .5995  | .99446 | 10.100 |
| #1     | 1.7322 | 8.6021  | .00315 | .16800 | .00342 | .8361  | .19202 | 5.0011 |
| #2     | 1.7400 | 8.4739  | .00311 | .16208 | .00266 | .8432  | .18934 | 4.3343 |



Sample Name: J6134-07      Acquired: 11/30/2018 19:45:08      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.1505  
Stddev      1.0898  
%RSD      50.677

#1      2.9211  
#2      1.3799

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3877.8 | 52230. | 3677.5 | 68.286 | 4039.3 |
| Stddev    | 18.8   | 1687.  | 36.9   | .391   | 19.2   |
| %RSD      | .48477 | 3.2291 | 1.0033 | .57235 | .47459 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3891.1 | 51037. | 3651.4 | 68.562 | 4052.9 |
| #2 | 3864.5 | 53422. | 3703.6 | 68.009 | 4025.8 |

Sample Name: J5761-02      Acquired: 11/30/2018 19:49:07      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-06-112918      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00061 | -.00338 | .00543 | .00300 | -.00197 | .04268 | .14237 | .00015 |
| Stddev | .00123  | .00043  | .00060 | .00048 | .00188  | .00893 | .00093 | .00002 |
| %RSD   | 202.80  | 12.679  | 11.080 | 16.166 | 95.635  | 20.933 | .65275 | 12.410 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00026  | -.00369 | .00585 | .00334 | -.00330 | .03636 | .14171 | .00017 |
| #2 | -.00148 | -.00308 | .00500 | .00266 | -.00064 | .04900 | .14302 | .00014 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00020 | 65.455 | -.00022 | .00375 | .00248 | .05114 | .29218 | 4.9344 |
| Stddev | .00013 | .164   | .00037  | .00022 | .00021 | .00660 | .00062 | .1072  |
| %RSD   | 65.812 | .25038 | 168.37  | 5.7596 | 8.3492 | 12.911 | .21214 | 2.1725 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00029 | 65.339 | .00004  | .00390 | .00233 | .04647 | .29262 | 4.8586 |
| #2 | .00011 | 65.570 | -.00048 | .00360 | .00263 | .05581 | .29175 | 5.0102 |

|        |        |         |        |         |        |        |        |         |
|--------|--------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00226 | -.00016 | 333.27 | -.00005 | .06324 | .54560 | .00001 | -.01133 |
| Stddev | .00026 | .00059  | 3.03   | .00014  | .00137 | .02789 | .00011 | .01088  |
| %RSD   | 11.394 | 367.35  | .90811 | 261.56  | 2.1631 | 5.1121 | 1355.2 | 95.979  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00244 | -.00058 | 335.41 | -.00015 | .06421 | .52587 | .00008  | -.00364 |
| #2 | .00208 | .00026  | 331.13 | .00005  | .06227 | .56532 | -.00007 | -.01902 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02309 | .20293 | -.00069 | .00301 | -.00161 | -.0031 | .13413 | 5.5030 |
| Stddev | .00545 | .00107 | .00031  | .00007 | .00011  | .0001  | .00013 | .0922  |
| %RSD   | 23.603 | .52636 | 44.594  | 2.4184 | 7.0222  | 2.515  | .09711 | 1.6756 |

|    |        |        |         |        |         |        |        |        |
|----|--------|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02695 | .20218 | -.00048 | .00306 | -.00153 | -.0030 | .13403 | 5.5682 |
| #2 | .01924 | .20369 | -.00091 | .00295 | -.00169 | -.0031 | .13422 | 5.4378 |

Sample Name: J5761-02      Acquired: 11/30/2018 19:49:07      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: AU-06-112918      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.4396  
 Stddev      .0568  
 %RSD      2.3278

#1      2.4798  
 #2      2.3995

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3715.0 | 48563. | 3696.5 | 70.875 | 3713.0 |
| Stddev    | 12.4   | 164.   | 11.1   | 1.423  | 30.3   |
| %RSD      | .33456 | .33812 | .30006 | 2.0082 | .81590 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3706.3 | 48447. | 3704.3 | 69.868 | 3691.6 |
| #2 | 3723.8 | 48679. | 3688.6 | 71.881 | 3734.4 |

Sample Name: J5761-02DUP      Acquired: 11/30/2018 19:53:16      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-06-112918      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00199 | -.00363 | .00684 | .00636 | -.00205 | .03695 | .13999 | .00010 |
| Stddev | .00159  | .00025  | .00003 | .00189 | .00009  | .01945 | .00108 | .00011 |
| %RSD   | 79.776  | 6.8989  | .40982 | 29.691 | 4.3157  | 52.633 | .77041 | 110.17 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00087 | -.00345 | .00686 | .00503 | -.00199 | .02320 | .14075 | .00018 |
| #2 | -.00311 | -.00381 | .00682 | .00770 | -.00211 | .05070 | .13922 | .00002 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00014 | 64.472 | .00004 | .00361 | .00256 | .04986 | .28833 | 4.8682 |
| Stddev | .00004 | .534   | .00051 | .00005 | .00015 | .00714 | .00334 | .0238  |
| %RSD   | 26.884 | .82824 | 1220.1 | 1.5033 | 5.9315 | 14.321 | 1.1580 | .48850 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00012 | 64.849 | -.00032 | .00364 | .00267 | .04481 | .29069 | 4.8851 |
| #2 | .00017 | 64.094 | .00040  | .00357 | .00245 | .05490 | .28597 | 4.8514 |

|        |        |         |        |         |        |        |         |         |
|--------|--------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00157 | -.00011 | 330.82 | -.00007 | .06221 | .55141 | -.00048 | -.01118 |
| Stddev | .00014 | .00027  | 1.88   | .00026  | .00004 | .04794 | .00029  | .00323  |
| %RSD   | 9.0923 | 242.17  | .56776 | 374.79  | .05914 | 8.6943 | 61.511  | 28.913  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00167 | .00008  | 332.14 | -.00025 | .06224 | .51751 | -.00027 | -.01346 |
| #2 | .00147 | -.00030 | 329.49 | .00011  | .06219 | .58531 | -.00069 | -.00889 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02083 | .19964 | -.00150 | .00394 | -.00072 | -.0025 | .13266 | 5.2836 |
| Stddev | .00145 | .00409 | .00024  | .00196 | .00065  | .0001  | .00062 | .0528  |
| %RSD   | 6.9417 | 2.0471 | 16.091  | 49.655 | 90.826  | 5.017  | .46568 | .99960 |

|    |        |        |         |        |         |        |        |        |
|----|--------|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01981 | .20253 | -.00167 | .00533 | -.00026 | -.0024 | .13309 | 5.3209 |
| #2 | .02185 | .19675 | -.00133 | .00256 | -.00118 | -.0026 | .13222 | 5.2462 |

Sample Name: J5761-02DUP      Acquired: 11/30/2018 19:53:16      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: AU-06-112918 Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.6158 |
| Stddev | .3169  |
| %RSD   | 12.116 |

|    |        |
|----|--------|
| #1 | 2.3917 |
| #2 | 2.8399 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3710.5 | 48973. | 3746.8 | 72.010 | 3715.1 |
| Stddev    | 6.4    | 277.   | 27.5   | .092   | 18.3   |
| %RSD      | .17199 | .56549 | .73376 | .12775 | .49292 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3715.0 | 48777. | 3727.4 | 71.945 | 3728.0 |
| #2 | 3705.9 | 49169. | 3766.3 | 72.075 | 3702.1 |

Sample Name: J5761-02LX5      Acquired: 11/30/2018 19:57:24      Type: Unk  
Method: P4-ICP2(v2618)      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    | -.00146 | -.00113 | .00023 | .00089 | -.00094 | .00539 | .03210 | .00006 |
| Stddev | .00038  | .00162  | .00108 | .00119 | .00019  | .00682 | .00001 | .00006 |
| %RSD   | 26.354  | 143.73  | 462.61 | 133.83 | 20.685  | 126.53 | .03482 | 101.59 |

|    |         |         |         |        |         |        |        |        |
|----|---------|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00173 | -.00227 | -.00053 | .00173 | -.00108 | .00057 | .03211 | .00011 |
| #2 | -.00119 | .00002  | .00100  | .00005 | -.00080 | .01022 | .03209 | .00002 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00006 | 13.505 | -.00017 | .00092 | .00035 | .01460 | .06028 | .99302 |
| Stddev | .00000 | .022   | .00017  | .00023 | .00035 | .00260 | .00076 | .06584 |
| %RSD   | 4.1394 | .16215 | 102.00  | 25.301 | 99.245 | 17.792 | 1.2658 | 6.6301 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00006 | 13.520 | -.00005 | .00075 | .00011 | .01276 | .06082 | .94647 |
| #2 | .00005 | 13.489 | -.00029 | .00108 | .00060 | .01643 | .05974 | 1.0396 |

|        |         |         |        |         |        |        |        |         |
|--------|---------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00046 | -.00000 | 70.645 | -.00005 | .01237 | .14723 | .00009 | -.01000 |
| Stddev | .00003  | .00025  | .387   | .00031  | .00027 | .03222 | .00003 | .01312  |
| %RSD   | 7.2676  | 5650.9  | .54822 | 618.38  | 2.1518 | 21.883 | 27.257 | 131.15  |

|    |         |         |        |         |        |        |        |         |
|----|---------|---------|--------|---------|--------|--------|--------|---------|
| #1 | -.00049 | -.00018 | 70.919 | .00017  | .01256 | .12445 | .00007 | -.00073 |
| #2 | -.00044 | .00017  | 70.371 | -.00027 | .01218 | .17001 | .00011 | -.01928 |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.12237 | .04909 | -.00139 | .00385 | -.00169 | -.0046 | .02737 | 4.6216 |
| Stddev | .00063  | .00171 | .00018  | .00040 | .00053  | .0017  | .00009 | .1891  |
| %RSD   | .51421  | 3.4866 | 13.241  | 10.250 | 31.141  | 37.10  | .34702 | 4.0914 |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | -.12193 | .04788 | -.00152 | .00358 | -.00132 | -.0058 | .02743 | 4.7553 |
| #2 | -.12282 | .05030 | -.00126 | .00413 | -.00207 | -.0034 | .02730 | 4.4879 |

Sample Name: J5761-02LX5      Acquired: 11/30/2018 19:57:24      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .82557  
 Stddev      .59668  
 %RSD      72.275

#1      1.2475  
 #2      .40365

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3908.4 | 51629. | 3747.2 | 73.754 | 4081.4 |
| Stddev    | 27.7   | 638.   | 24.5   | 1.537  | 25.7   |
| %RSD      | .70864 | 1.2349 | .65470 | 2.0843 | .62908 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3888.8 | 51178. | 3729.8 | 72.667 | 4063.2 |
| #2 | 3928.0 | 52080. | 3764.5 | 74.841 | 4099.5 |

Sample Name: J5761-02MS      Acquired: 11/30/2018 20:01:29      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-06-112918      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    | .89015 | 1.9415 | 1.0164 | 2.1321 | .89837 | 2.2999 | .36722 | .22152 | .20786 |
| Stddev | .00583 | .0160  | .0089  | .0239  | .00764 | .0257  | .00593 | .00056 | .00141 |
| %RSD   | .65533 | .82467 | .87561 | 1.1208 | .85090 | 1.1170 | 1.6136 | .25375 | .67648 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .88603 | 1.9301 | 1.0101 | 2.1152 | .89297 | 2.2817 | .36303 | .22192 | .20687 |
| #2 | .89428 | 1.9528 | 1.0227 | 2.1490 | .90378 | 2.3181 | .37141 | .22113 | .20886 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 66.753 | .45267 | .22034 | .32342 | 3.0870 | .51847 | 7.0170 | .51815 | .07465 |
| Stddev | .736   | .00220 | .00198 | .00196 | .0967  | .00080 | .1116  | .00430 | .00017 |
| %RSD   | 1.1019 | .48665 | .89761 | .60495 | 3.1322 | .15365 | 1.5899 | .82997 | .22875 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 66.233 | .45423 | .21894 | .32204 | 3.0186 | .51791 | 6.9381 | .51511 | .07477 |
| #2 | 67.273 | .45111 | .22174 | .32480 | 3.1553 | .51903 | 7.0959 | .52119 | .07453 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 343.35 | .31851 | .27470 | 10.936 | .44963 | .30411 | .00987 | 1.1579 | .71034 |
| Stddev | 7.24   | .00091 | .00597 | .106   | .00382 | .00835 | .00071 | .0151  | .00478 |
| %RSD   | 2.1096 | .28515 | 2.1747 | .96936 | .85043 | 2.7465 | 7.1586 | 1.3026 | .67340 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 338.23 | .31915 | .27048 | 10.861 | .44692 | .29820 | .01037 | 1.1472 | .70696 |
| #2 | 348.48 | .31787 | .27892 | 11.010 | .45233 | .31001 | .00937 | 1.1686 | .71372 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22478 | .22530 | 6.341  | .35960 | 5.4802 | .44653 |
| Stddev | .00303 | .00203 | .064   | .00411 | .1020  | .01223 |
| %RSD   | 1.3487 | .90269 | 1.011  | 1.1423 | 1.8617 | 2.7399 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .22264 | .22386 | 6.295 | .35669 | 5.5523 | .43788 |
| #2 | .22693 | .22673 | 6.386 | .36250 | 5.4080 | .45518 |



Sample Name: J5761-02MS      Acquired: 11/30/2018 20:01:29      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-06-112918 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       | 3701.5 | 48181. | 3647.4 | 71.384 | 3726.9 |
| Stddev    | 1.8    | 143.   | 30.0   | .968   | 9.0    |
| %RSD      | .04927 | .29582 | .82192 | 1.3567 | .24111 |
| #1        | 3702.8 | 48081. | 3668.6 | 72.069 | 3733.2 |
| #2        | 3700.2 | 48282. | 3626.2 | 70.699 | 3720.5 |

Sample Name: J5761-02MSD      Acquired: 11/30/2018 20:05:26      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-06-112918      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    | .89995 | 1.9759 | 1.0354 | 2.1517 | .91428 | 2.3398 | .36609 | .22420 | .21111 |
| Stddev | .01041 | .0107  | .0023  | .0028  | .00114 | .0180  | .00770 | .00278 | .00158 |
| %RSD   | 1.1568 | .53999 | .22633 | .13113 | .12476 | .76994 | 2.1022 | 1.2411 | .75001 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .90731 | 1.9683 | 1.0338 | 2.1497 | .91509 | 2.3525 | .37153 | .22617 | .20999 |
| #2 | .89259 | 1.9834 | 1.0371 | 2.1537 | .91347 | 2.3271 | .36065 | .22223 | .21223 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 66.916 | .46063 | .22429 | .32744 | 3.0790 | .52548 | 7.0704 | .52624 | .07553 |
| Stddev | 1.177  | .00468 | .00104 | .00008 | .0940  | .00513 | .2042  | .00354 | .00087 |
| %RSD   | 1.7584 | 1.0150 | .46518 | .02333 | 3.0525 | .97548 | 2.8884 | .67346 | 1.1585 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 67.748 | .46394 | .22356 | .32749 | 3.1454 | .52910 | 7.2148 | .52373 | .07614 |
| #2 | 66.084 | .45733 | .22503 | .32739 | 3.0125 | .52185 | 6.9260 | .52874 | .07491 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 339.51 | .32268 | .27631 | 10.965 | .45685 | .29675 | .01019 | 1.1676 | .72197 |
| Stddev | 6.66   | .00263 | .00799 | .215   | .00108 | .00459 | .00136 | .0127  | .00270 |
| %RSD   | 1.9628 | .81383 | 2.8917 | 1.9615 | .23569 | 1.5483 | 13.340 | 1.0843 | .37435 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 344.22 | .32454 | .28196 | 11.117 | .45761 | .29351 | .00923 | 1.1765 | .72006 |
| #2 | 334.80 | .32083 | .27066 | 10.813 | .45609 | .30000 | .01116 | 1.1586 | .72388 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22273 | .22791 | 6.452  | .36092 | 5.6697 | 1.4193 |
| Stddev | .00744 | .00181 | .022   | .00652 | .1346  | .4647  |
| %RSD   | 3.3416 | .79558 | .3438  | 1.8063 | 2.3742 | 32.745 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .22799 | .22920 | 6.436 | .36553 | 5.7649 | 1.0906 |
| #2 | .21747 | .22663 | 6.468 | .35631 | 5.5746 | 1.7479 |

Sample Name: J5761-02MSD      Acquired: 11/30/2018 20:05:26      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-06-112918 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       | 3674.4 | 47687. | 3653.0 | 71.473 | 3691.6 |
| Stddev    | 5.6    | 274.   | 64.5   | 2.101  | 16.6   |
| %RSD      | .15170 | .57400 | 1.7651 | 2.9389 | .45069 |
| #1        | 3670.5 | 47493. | 3607.4 | 69.988 | 3703.4 |
| #2        | 3678.4 | 47881. | 3698.6 | 72.958 | 3679.8 |

Sample Name: J5761-02A      Acquired: 11/30/2018 20:09:23      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7736      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    | .89489 | 1.9712 | 1.0307 | 2.1496 | .90633 | 2.3244 | .37139 | .22219 | .21060 |
| Stddev | .01061 | .0244  | .0133  | .0323  | .00496 | .0040  | .00106 | .00014 | .00229 |
| %RSD   | 1.1855 | 1.2356 | 1.2894 | 1.5043 | .54682 | .17182 | .28483 | .06240 | 1.0881 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .88739 | 1.9540 | 1.0213 | 2.1267 | .90283 | 2.3272 | .37064 | .22209 | .20898 |
| #2 | .90239 | 1.9884 | 1.0401 | 2.1725 | .90984 | 2.3216 | .37214 | .22229 | .21222 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 67.655 | .45585 | .22332 | .32562 | 3.1223 | .52018 | 7.1652 | .52526 | .07488 |
| Stddev | .857   | .00004 | .00350 | .00214 | .0994  | .00081 | .0392  | .00604 | .00019 |
| %RSD   | 1.2673 | .00769 | 1.5682 | .65626 | 3.1842 | .15597 | .54736 | 1.1504 | .24806 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 67.049 | .45582 | .22084 | .32411 | 3.0520 | .51961 | 7.1375 | .52099 | .07501 |
| #2 | 68.262 | .45587 | .22580 | .32713 | 3.1927 | .52075 | 7.1929 | .52954 | .07475 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 344.46 | .31760 | .27862 | 11.068 | .45536 | .30965 | .01328 | 1.1782 | .72204 |
| Stddev | 2.04   | .00055 | .00980 | .070   | .00459 | .00137 | .00132 | .0128  | .00660 |
| %RSD   | .59108 | .17334 | 3.5159 | .63001 | 1.0077 | .44383 | 9.9318 | 1.0827 | .91419 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 343.02 | .31721 | .27170 | 11.019 | .45212 | .30867 | .01235 | 1.1692 | .71737 |
| #2 | 345.90 | .31799 | .28555 | 11.117 | .45861 | .31062 | .01421 | 1.1872 | .72671 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22611 | .22936 | 6.435  | .36387 | 5.5897 | .97233 |
| Stddev | .00118 | .00120 | .072   | .00480 | .0784  | .28773 |
| %RSD   | .52213 | .52161 | 1.120  | 1.3185 | 1.4029 | 29.592 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .22695 | .23020 | 6.384 | .36048 | 5.6452 | .76887 |
| #2 | .22528 | .22851 | 6.486 | .36726 | 5.5343 | 1.1758 |

Sample Name: J5761-02A      Acquired: 11/30/2018 20:09:23      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7736      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       | 3672.0 | 48072. | 3618.6 | 70.411 | 3682.4 |
| Stddev    | 30.2   | 81.    | 21.1   | 2.309  | 25.2   |
| %RSD      | .82229 | .16819 | .58288 | 3.2788 | .68553 |
| #1        | 3693.3 | 48129. | 3633.6 | 72.044 | 3700.2 |
| #2        | 3650.6 | 48015. | 3603.7 | 68.779 | 3664.5 |

Sample Name: J5761-04      Acquired: 11/30/2018 20:13:19      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-05-112918      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00262 | -.00226 | .02251 | .00302 | -.00101 | .14091 | .10825 | .00009 |
| Stddev | .00116  | .00092  | .00098 | .00258 | .00203  | .00851 | .00127 | .00000 |
| %RSD   | 44.127  | 41.007  | 4.3739 | 85.288 | 200.18  | 6.0422 | 1.1731 | 4.3500 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00344 | -.00160 | .02182 | .00484 | .00042  | .14693 | .10915 | .00008 |
| #2 | -.00180 | -.00291 | .02321 | .00120 | -.00245 | .13489 | .10736 | .00009 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00050 | 18.775 | .00068 | .00243 | .00565 | .33550 | .26369 | 1.3107 |
| Stddev | .00009 | .131   | .00021 | .00024 | .00036 | .01032 | .00018 | .0349  |
| %RSD   | 17.798 | .69874 | 30.919 | 10.083 | 6.3002 | 3.0760 | .06673 | 2.6636 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00044 | 18.682 | .00053 | .00225 | .00540 | .34280 | .26381 | 1.3354 |
| #2 | .00056 | 18.867 | .00083 | .00260 | .00591 | .32821 | .26356 | 1.2860 |

|        |        |        |        |         |        |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00208 | .00021 | 338.92 | -.00034 | .05642 | .86129 | .00035 | -.01305 |
| Stddev | .00021 | .00011 | .89    | .00013  | .00041 | .04823 | .00039 | .00782  |
| %RSD   | 10.322 | 50.889 | .26196 | 37.190  | .72991 | 5.5996 | 111.98 | 59.952  |

|    |        |        |        |         |        |        |        |         |
|----|--------|--------|--------|---------|--------|--------|--------|---------|
| #1 | .00223 | .00013 | 339.54 | -.00043 | .05671 | .89540 | .00007 | -.00752 |
| #2 | .00192 | .00029 | 338.29 | -.00025 | .05613 | .82719 | .00063 | -.01858 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01658 | .48976 | -.00133 | .00592 | .00174 | -.0001 | .07981 | 5.5612 |
| Stddev | .00047  | .00416 | .00053  | .00178 | .00074 | .0010  | .00022 | .1742  |
| %RSD   | 2.8602  | .84855 | 39.863  | 29.982 | 42.515 | 1483.  | .27683 | 3.1317 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.01624 | .48682 | -.00171 | .00467 | .00226 | .0006  | .07966 | 5.6844 |
| #2 | -.01691 | .49270 | -.00096 | .00718 | .00122 | -.0008 | .07997 | 5.4381 |

Sample Name: J5761-04      Acquired: 11/30/2018 20:13:19      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: AU-05-112918      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.9222 |
| Stddev | .0125  |
| %RSD   | .64795 |

|    |        |
|----|--------|
| #1 | 1.9134 |
| #2 | 1.9310 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3701.1 | 48095. | 3658.8 | 71.776 | 3741.7 |
| Stddev    | 13.7   | 254.   | 2.2    | .622   | 11.6   |
| %RSD      | .36903 | .52794 | .05938 | .86649 | .30919 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3691.4 | 47915. | 3657.3 | 71.336 | 3733.5 |
| #2 | 3710.8 | 48274. | 3660.4 | 72.216 | 3749.8 |

Sample Name: J5762-08      Acquired: 11/30/2018 20:17:29      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BU-02-112918      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00166 | -.00278 | .17627 | .00368 | -.00028 | .09838 | .29737 | .00008 |
| Stddev | .00025 | .00065  | .00231 | .00474 | .00042  | .01354 | .00132 | .00006 |
| %RSD   | 15.038 | 23.302  | 1.3116 | 128.54 | 149.96  | 13.763 | .44494 | 78.461 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00184 | -.00323 | .17790 | .00703 | -.00057 | .08881 | .29831 | .00004 |
| #2 | .00149 | -.00232 | .17464 | .00034 | .00002  | .10796 | .29644 | .00013 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00085 | 14.285 | .00015 | .00361 | .00588 | 1.7061 | .24416 | 1.2208 |
| Stddev | .00002 | .060   | .00008 | .00009 | .00041 | .0361  | .00007 | .0079  |
| %RSD   | 2.1629 | .42238 | 51.602 | 2.6193 | 6.9345 | 2.1138 | .02899 | .64667 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00086 | 14.242 | .00021 | .00367 | .00560 | 1.6806 | .24411 | 1.2152 |
| #2 | .00084 | 14.327 | .00010 | .00354 | .00617 | 1.7316 | .24421 | 1.2263 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00697 | -.00007 | 301.90 | .00006 | .43101 | .65366 | -.00030 | -.00993 |
| Stddev | .00007 | .00052  | 3.36   | .00055 | .00604 | .00294 | .00019  | .00398  |
| %RSD   | .99071 | 762.77  | 1.1129 | 989.12 | 1.4005 | .44983 | 62.385  | 40.075  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00692 | .00030  | 304.28 | .00044  | .42674 | .65574 | -.00043 | -.01275 |
| #2 | .00702 | -.00043 | 299.53 | -.00033 | .43528 | .65158 | -.00017 | -.00712 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .07159 | .34736 | -.00080 | .00443 | .00348 | -.0023 | .09907 | 5.2930 |
| Stddev | .00133 | .00241 | .00042  | .00180 | .00019 | .0006  | .00035 | .0530  |
| %RSD   | 1.8544 | .69498 | 52.719  | 40.731 | 5.4070 | 27.28  | .35220 | 1.0016 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .07253 | .34565 | -.00050 | .00315 | .00335 | -.0018 | .09883 | 5.3304 |
| #2 | .07065 | .34907 | -.00110 | .00570 | .00361 | -.0027 | .09932 | 5.2555 |



Sample Name: J5762-08      Acquired: 11/30/2018 20:17:29      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: BU-02-112918 Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.1239  
 Stddev      .3546  
 %RSD      16.695

#1      1.8732  
 #2      2.3747

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3740.8 | 48715. | 3675.8 | 69.184 | 3777.4 |
| Stddev    | 4.3    | 15.    | 1.7    | 1.128  | 3.7    |
| %RSD      | .11607 | .03017 | .04757 | 1.6307 | .09892 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3737.8 | 48725. | 3674.6 | 69.982 | 3780.1 |
| #2 | 3743.9 | 48705. | 3677.0 | 68.386 | 3774.8 |

Sample Name: CCV09      Acquired: 11/30/2018 20:21:37      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14253      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1412 | 4.8308 | 4.8855 | 4.8941 | 5.1418 | 10.109 | 10.059 | .24929 |
| Stddev | .0194  | .0086  | .0143  | .0056  | .0202  | .043   | .036   | .00077 |
| %RSD   | .37699 | .17914 | .29313 | .11423 | .39221 | .42038 | .35952 | .31050 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.1549 | 4.8370 | 4.8956 | 4.8980 | 5.1560 | 10.139 | 10.034 | .24983 |
| #2 | 5.1275 | 4.8247 | 4.8754 | 4.8901 | 5.1275 | 10.079 | 10.085 | .24874 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4385 | 26.066 | 1.0280 | 2.4866 | 1.2414 | 4.6211 | 2.5356 | 23.858 |
| Stddev | .0074  | .044   | .0009  | .0054  | .0004  | .0131  | .0023  | .008   |
| %RSD   | .30244 | .16931 | .08704 | .21617 | .02822 | .28353 | .09054 | .03283 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4437 | 26.035 | 1.0274 | 2.4904 | 1.2416 | 4.6118 | 2.5339 | 23.852 |
| #2 | 2.4333 | 26.097 | 1.0287 | 2.4828 | 1.2411 | 4.6303 | 2.5372 | 23.863 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3843 | 1.1847 | 24.295 | 2.3346 | 2.5642 | 23.419 | 4.7964 | 4.7928 |
| Stddev | .0044  | .0032  | .058   | .0093  | .0235  | .135   | .0120  | .0058  |
| %RSD   | .18505 | .26743 | .23962 | .39843 | .91496 | .57703 | .25065 | .12191 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3874 | 1.1825 | 24.254 | 2.3280 | 2.5476 | 23.324 | 4.8049 | 4.7887 |
| #2 | 2.3812 | 1.1870 | 24.336 | 2.3412 | 2.5808 | 23.515 | 4.7879 | 4.7969 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.5331 | 4.7519 | 4.6567 | 4.8860 | 4.9612 | 4.797  | 5.2875 | 5.2070 |
| Stddev | .0182  | .0339  | .0118  | .0116  | .0073  | .012   | .0321  | .0306  |
| %RSD   | .40179 | .71302 | .25279 | .23660 | .14823 | .2449  | .60790 | .58675 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 4.5460 | 4.7279 | 4.6650 | 4.8942 | 4.9560 | 4.805 | 5.2648 | 5.2286 |
| #2 | 4.5203 | 4.7758 | 4.6483 | 4.8778 | 4.9664 | 4.789 | 5.3103 | 5.1854 |

Sample Name: CCV09      Acquired: 11/30/2018 20:21:37      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14253      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.7792  
Stddev      .4122  
%RSD      14.831

#1      2.4877  
#2      3.0707

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3862.1 | 50787. | 3700.3 | 71.661 | 3888.2 |
| Stddev    | 19.0   | 29.    | 13.9   | .558   | 18.9   |
| %RSD      | .49171 | .05758 | .37556 | .77909 | .48575 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3848.6 | 50766. | 3710.2 | 72.056 | 3874.9 |
| #2 | 3875.5 | 50808. | 3690.5 | 71.266 | 3901.6 |

Sample Name: CCB09      Acquired: 11/30/2018 20:25:23      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14253      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00222 | .00037 | -.00114 | .00251 | -.00258 | .01317 | .00407 |
| Stddev | .00179 | .00031 | .00061  | .00045 | .00231  | .00417 | .00105 |
| %RSD   | 80.748 | 85.394 | 53.417  | 18.009 | 89.452  | 31.659 | 25.865 |

|    |        |        |         |        |         |        |        |
|----|--------|--------|---------|--------|---------|--------|--------|
| #1 | .00348 | .00015 | -.00071 | .00283 | -.00095 | .01612 | .00481 |
| #2 | .00095 | .00059 | -.00157 | .00219 | -.00421 | .01022 | .00332 |

|        |        |         |         |         |        |        |        |
|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00005 | -.00002 | -.00583 | -.00030 | .00013 | .00008 | .00003 |
| Stddev | .00004 | .00010  | .02208  | .00001  | .00016 | .00005 | .00326 |
| %RSD   | 77.798 | 544.84  | 378.95  | 2.1566  | 123.99 | 59.284 | 10665. |

|    |        |         |         |         |        |        |         |
|----|--------|---------|---------|---------|--------|--------|---------|
| #1 | .00008 | -.00009 | .00979  | -.00030 | .00025 | .00004 | -.00227 |
| #2 | .00002 | .00005  | -.02144 | -.00029 | .00002 | .00011 | .00233  |

|        |        |         |         |         |        |         |         |
|--------|--------|---------|---------|---------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00004 | -.07465 | -.00089 | -.00011 | .01894 | -.00011 | -.00096 |
| Stddev | .00004 | .03629  | .00014  | .00005  | .00223 | .00052  | .00002  |
| %RSD   | 102.03 | 48.620  | 15.954  | 40.287  | 11.779 | 480.34  | 2.2239  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00007 | -.10031 | -.00099 | -.00015 | .01736 | -.00048 | -.00095 |
| #2 | .00001 | -.04899 | -.00079 | -.00008 | .02052 | .00026  | -.00098 |

|        |         |        |         |           |        |         |        |
|--------|---------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.01175 | .00044 | -.01121 | F -.15763 | .00853 | -.00180 | .00464 |
| Stddev | .06271  | .00005 | .01048  | .00117    | .01115 | .00012  | .00164 |
| %RSD   | 533.79  | 12.343 | 93.522  | .74109    | 130.80 | 6.4094  | 35.358 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | .03260  | .00048 | -.01862 | -.15681 | .00064 | -.00172 | .00348 |
| #2 | -.05609 | .00041 | -.00380 | -.15846 | .01641 | -.00189 | .00580 |

Sample Name: CCB09      Acquired: 11/30/2018 20:25:23      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14253      Custom ID2:      Custom ID3:  
 Comment:

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00162 | -0.0046 | -0.00003 | F 4.2970 | F .03742 |
| Stddev | .00067   | .0007   | .00005   | .0803    | .02292   |
| %RSD   | 41.183   | 14.68   | 168.51   | 1.8677   | 61.248   |

|    |          |         |          |        |        |
|----|----------|---------|----------|--------|--------|
| #1 | -0.00209 | -0.0051 | -0.00007 | 4.3537 | .05363 |
| #2 | -0.00115 | -0.0041 | .00001   | 4.2402 | .02121 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4037.7 | 53464. | 3745.3 | 73.309 | 4466.7 |
| Stddev    | 10.1   | 23.    | 8.6    | 1.106  | 5.4    |
| %RSD      | .25070 | .04292 | .22879 | 1.5082 | .12201 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4030.6 | 53448. | 3751.4 | 72.527 | 4462.9 |
| #2 | 4044.9 | 53480. | 3739.2 | 74.091 | 4470.6 |

Sample Name: J5765-06      Acquired: 11/30/2018 20:29:28      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: NB-07-112918      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 | -.00352 | .00173 | .00590 | -.00175 | .13463 | .16753 | .00010 |
| Stddev | .00091  | .00021  | .00046 | .00072 | .00135  | .00201 | .00009 | .00001 |
| %RSD   | 34.153  | 5.8558  | 26.795 | 12.223 | 77.342  | 1.4895 | .05119 | 6.8665 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00201 | -.00367 | .00206 | .00539 | -.00271 | .13321 | .16747 | .00011 |
| #2 | -.00329 | -.00337 | .00140 | .00641 | -.00079 | .13605 | .16759 | .00010 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00001 | 15.850 | .00011 | .00494 | .00579 | .61839 | .74826 | 1.6806 |
| Stddev | .00000 | .114   | .00049 | .00003 | .00015 | .01404 | .00369 | .0130  |
| %RSD   | 11.940 | .71736 | 457.85 | .67339 | 2.5033 | 2.2711 | .49336 | .77054 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00001 | 15.770 | .00045  | .00492 | .00569 | .62832 | .74565 | 1.6715 |
| #2 | .00001 | 15.931 | -.00024 | .00496 | .00590 | .60846 | .75087 | 1.6898 |

|        |        |         |        |         |        |        |        |         |
|--------|--------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00385 | -.00020 | 338.86 | -.00026 | .02361 | .57206 | .00000 | -.00683 |
| Stddev | .00010 | .00011  | 1.61   | .00044  | .00028 | .03065 | .00010 | .00296  |
| %RSD   | 2.5059 | 57.492  | .47613 | 171.30  | 1.1957 | 5.3576 | 16404. | 43.412  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00378 | -.00028 | 340.01 | -.00056 | .02341 | .55038 | .00007  | -.00892 |
| #2 | .00392 | -.00012 | 337.72 | .00005  | .02381 | .59373 | -.00007 | -.00473 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .15992 | .55550 | -.00069 | .00538 | -.00004 | .0007  | .05279 | 5.4157 |
| Stddev | .00127 | .00450 | .00098  | .00211 | .00047  | .0012  | .00042 | .0221  |
| %RSD   | .79380 | .81051 | 140.94  | 39.244 | 1234.0  | 169.2  | .79263 | .40754 |

|    |        |        |         |        |         |        |        |        |
|----|--------|--------|---------|--------|---------|--------|--------|--------|
| #1 | .15902 | .55868 | -.00138 | .00389 | .00029  | .0016  | .05249 | 5.4313 |
| #2 | .16081 | .55231 | -.00000 | .00687 | -.00037 | -.0001 | .05308 | 5.4001 |

Sample Name: J5765-06      Acquired: 11/30/2018 20:29:28      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: NB-07-112918 Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.1953  
 Stddev      .5126  
 %RSD      23.349

#1      1.8328  
 #2      2.5577

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3725.7 | 48352. | 3670.3 | 69.683 | 3761.9 |
| Stddev    | 21.5   | 101.   | 14.9   | .940   | 32.3   |
| %RSD      | .57778 | .20849 | .40703 | 1.3492 | .85795 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3710.5 | 48423. | 3659.8 | 70.348 | 3739.0 |
| #2 | 3740.9 | 48280. | 3680.9 | 69.018 | 3784.7 |

Sample Name: J5770-14      Acquired: 11/30/2018 20:33:37      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-112918      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00235 | -.00339 | .00259 | .00473 | -.00239 | .10051 | .14244 | .00008 |
| Stddev | .00203  | .00057  | .00128 | .00026 | .00081  | .01753 | .00013 | .00000 |
| %RSD   | 86.441  | 16.805  | 49.358 | 5.5576 | 33.792  | 17.445 | .09427 | 4.7154 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00091 | -.00379 | .00349 | .00491 | -.00182 | .11291 | .14235 | .00007 |
| #2 | -.00378 | -.00298 | .00168 | .00454 | -.00297 | .08811 | .14254 | .00008 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00010 | 20.369 | -.00055 | .00697 | .00354 | .49165 | .86071 | 1.3184 |
| Stddev | .00008 | .138   | .00031  | .00019 | .00020 | .00449 | .00111 | .0308  |
| %RSD   | 79.880 | .67688 | 55.788  | 2.7164 | 5.7528 | .91280 | .12912 | 2.3370 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00004 | 20.272 | -.00077 | .00711 | .00368 | .48848 | .86149 | 1.2966 |
| #2 | .00016 | 20.467 | -.00033 | .00684 | .00340 | .49483 | .85992 | 1.3402 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00125 | -.00006 | 313.98 | .00009 | .02178 | .76019 | .00001 | -.00900 |
| Stddev | .00030 | .00033  | .06    | .00001 | .00005 | .02110 | .00022 | .00893  |
| %RSD   | 23.716 | 591.97  | .01862 | 16.265 | .21505 | 2.7750 | 1648.3 | 99.218  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .00146 | .00018  | 314.02 | .00010 | .02181 | .74528 | .00017  | -.01532 |
| #2 | .00104 | -.00029 | 313.94 | .00008 | .02175 | .77511 | -.00014 | -.00269 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.04456 | .44655 | -.00114 | .00402 | .00225 | -.0013 | .06130 | 5.3721 |
| Stddev | .00319  | .00161 | .00028  | .00190 | .00008 | .0012  | .00012 | .1110  |
| %RSD   | 7.1537  | .35984 | 24.902  | 47.297 | 3.4861 | 95.19  | .19631 | 2.0664 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.04231 | .44541 | -.00094 | .00537 | .00230 | -.0004 | .06121 | 5.4506 |
| #2 | -.04682 | .44768 | -.00134 | .00268 | .00219 | -.0021 | .06138 | 5.2936 |



Sample Name: J5770-14      Acquired: 11/30/2018 20:33:37      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-112918      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.2785  
Stddev      .4520  
%RSD      19.836

#1      2.5981  
#2      1.9589

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3746.8 | 48727. | 3716.6 | 71.307 | 3775.5 |
| Stddev    | 7.4    | 115.   | 2.7    | .157   | 3.0    |
| %RSD      | .19719 | .23683 | .07290 | .22087 | .07909 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3741.6 | 48646. | 3718.6 | 71.195 | 3773.3 |
| #2 | 3752.1 | 48809. | 3714.7 | 71.418 | 3777.6 |

Sample Name: J5770-16      Acquired: 11/30/2018 20:37:46      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-112918      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00197 | -.00330 | .01368 | .00228 | -.00142 | .09169 | .13850 | .00011 |
| Stddev | .00128  | .00055  | .00295 | .00305 | .00002  | .00340 | .00116 | .00007 |
| %RSD   | 64.915  | 16.548  | 21.548 | 133.72 | 1.4637  | 3.7121 | .83618 | 62.263 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00107 | -.00369 | .01159 | .00012 | -.00143 | .09410 | .13932 | .00006 |
| #2 | -.00287 | -.00292 | .01576 | .00443 | -.00140 | .08928 | .13768 | .00016 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00019 | 16.550 | .00013 | .00581 | .00486 | .11007 | .93934 | 1.3647 |
| Stddev | .00009 | .174   | .00021 | .00041 | .00005 | .00696 | .00063 | .0271  |
| %RSD   | 47.484 | 1.0528 | 166.29 | 7.0297 | .97126 | 6.3269 | .06666 | 1.9868 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00012 | 16.674 | -.00002 | .00610 | .00483 | .11499 | .93978 | 1.3839 |
| #2 | .00025 | 16.427 | .00028  | .00552 | .00489 | .10514 | .93890 | 1.3455 |

|        |        |        |        |         |        |        |         |         |
|--------|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00183 | .00022 | 334.74 | -.00029 | .03362 | .77788 | -.00014 | -.01030 |
| Stddev | .00072 | .00001 | 6.48   | .00040  | .00051 | .02943 | .00033  | .00299  |
| %RSD   | 39.379 | 6.2152 | 1.9346 | 138.35  | 1.5159 | 3.7837 | 233.91  | 29.018  |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | .00132 | .00021 | 339.32 | -.00057 | .03398 | .75706 | .00009  | -.01242 |
| #2 | .00233 | .00023 | 330.16 | -.00001 | .03326 | .79869 | -.00037 | -.00819 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .16364 | .55555 | -.00129 | .00231 | .00121 | .0008  | .06696 | 5.3450 |
| Stddev | .00504 | .01324 | .00051  | .00049 | .00085 | .0018  | .00101 | .0904  |
| %RSD   | 3.0791 | 2.3837 | 39.617  | 21.424 | 70.744 | 229.2  | 1.5095 | 1.6912 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .16008 | .56491 | -.00093 | .00266 | .00060 | -.0005 | .06767 | 5.2810 |
| #2 | .16720 | .54618 | -.00165 | .00196 | .00181 | .0021  | .06624 | 5.4089 |

Sample Name: J5770-16      Acquired: 11/30/2018 20:37:46      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-112918      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.2948 |
| Stddev | .3034  |
| %RSD   | 13.223 |

|    |        |
|----|--------|
| #1 | 2.0802 |
| #2 | 2.5094 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3760.3 | 48672. | 3714.2 | 70.576 | 3785.2 |
| Stddev    | 8.3    | 63.    | 56.9   | 1.204  | 14.7   |
| %RSD      | .22130 | .12961 | 1.5319 | 1.7055 | .38820 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3754.4 | 48627. | 3673.9 | 69.725 | 3774.8 |
| #2 | 3766.2 | 48716. | 3754.4 | 71.427 | 3795.6 |

Sample Name: J5771-08      Acquired: 11/30/2018 20:41:55      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-02-112918      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00094 | -.00324 | .01849 | .00204 | -.00082 | .13107 | .16428 | .00018 |
| Stddev | .00258  | .00143  | .00137 | .00479 | .00008  | .01085 | .00397 | .00003 |
| %RSD   | 273.90  | 44.138  | 7.3888 | 234.48 | 10.291  | 8.2795 | 2.4143 | 17.947 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00088  | -.00425 | .01946 | -.00134 | -.00088 | .13874 | .16708 | .00020 |
| #2 | -.00277 | -.00223 | .01753 | .00542  | -.00076 | .12340 | .16147 | .00015 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00031 | 19.110 | .00041 | .00611 | .00388 | .60897 | .99188 | 1.6956 |
| Stddev | .00010 | .294   | .00006 | .00013 | .00061 | .01108 | .00045 | .0762  |
| %RSD   | 31.742 | 1.5375 | 14.675 | 2.0620 | 15.778 | 1.8200 | .04507 | 4.4951 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00038 | 19.318 | .00037 | .00602 | .00345 | .61680 | .99220 | 1.7495 |
| #2 | .00024 | 18.903 | .00046 | .00620 | .00431 | .60113 | .99157 | 1.6417 |

|        |        |         |        |         |        |        |         |         |
|--------|--------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00397 | -.00008 | 400.48 | -.00001 | .03476 | 1.9992 | -.00009 | -.00504 |
| Stddev | .00023 | .00003  | 4.22   | .00059  | .00033 | .0120  | .00022  | .00343  |
| %RSD   | 5.8824 | 36.608  | 1.0547 | 9913.4  | .95911 | .60139 | 231.61  | 68.013  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00380 | -.00006 | 403.47 | .00041  | .03500 | 1.9907 | .00006  | -.00262 |
| #2 | .00413 | -.00010 | 397.50 | -.00043 | .03452 | 2.0077 | -.00025 | -.00747 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .08269 | .93535 | -.00047 | .00340 | .00401 | -.0007 | .07715 | 5.2780 |
| Stddev | .00526 | .00418 | .00020  | .00149 | .00138 | .0007  | .00117 | .0065  |
| %RSD   | 6.3586 | .44644 | 43.381  | 43.742 | 34.407 | 92.99  | 1.5185 | .12294 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .08640 | .93830 | -.00033 | .00235 | .00498 | -.0012 | .07798 | 5.2826 |
| #2 | .07897 | .93239 | -.00061 | .00445 | .00303 | -.0002 | .07632 | 5.2735 |

Sample Name: J5771-08      Acquired: 11/30/2018 20:41:55      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EO-02-112918 Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.1322  
 Stddev      .3966  
 %RSD      18.598

#1      2.4126  
 #2      1.8518

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3716.5 | 48274. | 3679.0 | 69.980 | 3731.3 |
| Stddev    | 12.1   | 56.    | 36.4   | .807   | 7.5    |
| %RSD      | .32445 | .11617 | .98914 | 1.1528 | .20152 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3707.9 | 48314. | 3653.2 | 69.409 | 3736.6 |
| #2 | 3725.0 | 48235. | 3704.7 | 70.550 | 3726.0 |

Sample Name: J5771-10      Acquired: 11/30/2018 20:46:04      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-02-112918      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00316 | -.00407 | .00850 | .00370 | -.00239 | .14507 | .16843 | .00018 |
| Stddev | .00058  | .00015  | .00002 | .00446 | .00157  | .01044 | .00017 | .00008 |
| %RSD   | 18.218  | 3.6609  | .19897 | 120.62 | 65.467  | 7.1966 | .10350 | 46.272 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00357 | -.00397 | .00852 | .00054 | -.00128 | .13769 | .16856 | .00012 |
| #2 | -.00275 | -.00418 | .00849 | .00685 | -.00350 | .15245 | .16831 | .00024 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00006 | 27.814 | .00026 | .00578 | .00409 | 1.2557 | 1.0603 | 1.4486 |
| Stddev | .00001 | .174   | .00001 | .00020 | .00012 | .0137  | .0026  | .0580  |
| %RSD   | 11.455 | .62586 | 3.2318 | 3.3888 | 2.9125 | 1.0946 | .24568 | 4.0026 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00007 | 27.691 | .00025 | .00592 | .00400 | 1.2655 | 1.0622 | 1.4896 |
| #2 | .00006 | 27.937 | .00026 | .00564 | .00417 | 1.2460 | 1.0585 | 1.4076 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00353 | .00020 | 370.93 | .00007 | .04609 | 2.9873 | .00026 | -.01100 |
| Stddev | .00016 | .00082 | 6.51   | .00040 | .00032 | .0199  | .00017 | .00423  |
| %RSD   | 4.6298 | 411.93 | 1.7557 | 558.59 | .69672 | .66712 | 67.403 | 38.471  |

|    |        |         |        |         |        |        |        |         |
|----|--------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00365 | .00078  | 366.32 | .00035  | .04586 | 3.0014 | .00038 | -.01399 |
| #2 | .00342 | -.00038 | 375.53 | -.00021 | .04632 | 2.9733 | .00014 | -.00801 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .08948 | 1.2191 | -.00069 | .00439 | .00776 | -.0005 | .11809 | 5.3087 |
| Stddev | .00229 | .0079  | .00010  | .00160 | .00226 | .0001  | .00015 | .0028  |
| %RSD   | 2.5608 | .64833 | 14.686  | 36.546 | 29.135 | 10.46  | .12901 | .05324 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .09110 | 1.2247 | -.00062 | .00553 | .00936 | -.0005 | .11798 | 5.3067 |
| #2 | .08786 | 1.2135 | -.00076 | .00326 | .00616 | -.0005 | .11820 | 5.3107 |

Sample Name: J5771-10      Acquired: 11/30/2018 20:46:04      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EO-02-112918 Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.1964  
 Stddev      .2658  
 %RSD      12.102

#1      2.3843  
 #2      2.0084

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3716.6 | 48647. | 3663.5 | 70.703 | 3733.4 |
| Stddev    | 5.3    | 1.     | 3.2    | .374   | 5.0    |
| %RSD      | .14379 | .00200 | .08607 | .52960 | .13518 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3720.3 | 48646. | 3661.2 | 70.968 | 3729.8 |
| #2 | 3712.8 | 48648. | 3665.7 | 70.439 | 3737.0 |

Sample Name: J5771-12      Acquired: 11/30/2018 20:50:14      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-02-112918      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00399 | -.00283 | .00309 | .00464 | -.00154 | .11393 | .12236 | .00009 |
| Stddev | .00063  | .00057  | .00136 | .00052 | .00007  | .00628 | .00011 | .00004 |
| %RSD   | 15.707  | 20.329  | 43.989 | 11.209 | 4.5173  | 5.5111 | .08766 | 44.399 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00355 | -.00242 | .00213 | .00427 | -.00149 | .11837 | .12244 | .00006 |
| #2 | -.00443 | -.00323 | .00405 | .00501 | -.00159 | .10949 | .12229 | .00012 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 13.460 | .00025 | .00502 | .00372 | .48203 | .98917 | 1.2376 |
| Stddev | .00012  | .022   | .00033 | .00005 | .00035 | .01210 | .00068 | .0170  |
| %RSD   | 246.64  | .16707 | 132.44 | .95872 | 9.3095 | 2.5100 | .06840 | 1.3777 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00013 | 13.476 | .00002 | .00499 | .00396 | .49058 | .98965 | 1.2496 |
| #2 | .00004  | 13.444 | .00049 | .00505 | .00347 | .47347 | .98869 | 1.2255 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00392 | -.00022 | 311.08 | .00016 | .02517 | 1.0423 | -.00014 | -.00986 |
| Stddev | .00005 | .00022  | 2.00   | .00032 | .00017 | .0004  | .00008  | .00164  |
| %RSD   | 1.4016 | 100.00  | .64355 | 201.36 | .66437 | .03456 | 57.643  | 16.644  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00396 | -.00006 | 312.50 | -.00007 | .02529 | 1.0420 | -.00008 | -.00870 |
| #2 | .00388 | -.00037 | 309.67 | .00038  | .02506 | 1.0425 | -.00020 | -.01102 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00559 | .64480 | -.00141 | .00610 | .00093 | -.0006 | .05901 | 5.0185 |
| Stddev | .00334 | .00341 | .00025  | .00027 | .00037 | .0003  | .00006 | .0150  |
| %RSD   | 59.715 | .52953 | 17.917  | 4.4641 | 39.294 | 49.90  | .09978 | .29847 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00323 | .64238 | -.00124 | .00629 | .00067 | -.0008 | .05905 | 5.0291 |
| #2 | .00795 | .64721 | -.00159 | .00591 | .00119 | -.0004 | .05897 | 5.0079 |



Sample Name: J5771-12      Acquired: 11/30/2018 20:50:14      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EO-02-112918 Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.1300  
 Stddev      .1006  
 %RSD      4.7207

#1      2.0589  
 #2      2.2011

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3770.3 | 49122. | 3706.3 | 72.017 | 3804.8 |
| Stddev    | 10.5   | 334.   | .0     | .477   | 4.1    |
| %RSD      | .27844 | .67994 | .00087 | .66276 | .10832 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3762.9 | 48886. | 3706.3 | 71.680 | 3801.9 |
| #2 | 3777.7 | 49358. | 3706.3 | 72.355 | 3807.7 |

Sample Name: J6140-01      Acquired: 11/30/2018 20:54:23      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PAINT-DEBRIS      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00545 | -.00528 | 68.535 | .00661 | .01858 | .60441 | .00933 | .00003 |
| Stddev | .00068  | .00195  | .326   | .00238 | .00031 | .00079 | .00015 | .00001 |
| %RSD   | 12.512  | 36.872  | .47510 | 35.962 | 1.6536 | .13131 | 1.6292 | 39.729 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00497 | -.00391 | 68.305 | .00829 | .01836 | .60497 | .00923 | .00002 |
| #2 | -.00594 | -.00666 | 68.765 | .00493 | .01880 | .60385 | .00944 | .00004 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .18026 | 125.70 | .12398 | .11671 | -.17052 | .58260 | .86948 | 2.9991 |
| Stddev | .00027 | .40    | .00028 | .00034 | .00162  | .03306 | .00110 | .0015  |
| %RSD   | .14963 | .31661 | .22851 | .28858 | .94720  | 5.6751 | .12694 | .05037 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .18006 | 125.42 | .12378 | .11695 | -.16938 | .55922 | .87026 | 3.0002 |
| #2 | .18045 | 125.99 | .12418 | .11647 | -.17167 | .60598 | .86870 | 2.9980 |

|        |        |         |        |         |          |        |         |        |
|--------|--------|---------|--------|---------|----------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138   | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm      | ppm    | ppm     | ppm    |
| Avg    | .03373 | -.00028 | 385.70 | -.00006 | F 46.843 | 4.1069 | -.00788 | .03738 |
| Stddev | .00111 | .00019  | 2.05   | .00041  | .650     | .0025  | .00013  | .00034 |
| %RSD   | 3.2997 | 67.446  | .53184 | 693.94  | 1.3884   | .06150 | 1.6079  | .91605 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .03294 | -.00015 | 387.15 | .00023  | 46.383 | 4.1051 | -.00779 | .03714 |
| #2 | .03452 | -.00042 | 384.25 | -.00035 | 47.302 | 4.1087 | -.00797 | .03762 |

|        |          |        |         |         |        |        |        |        |
|--------|----------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 86.403 | .28494 | -.03075 | -.00024 | .00968 | .0128  | .15758 | 5.7095 |
| Stddev | .143     | .00299 | .00097  | .00150  | .00087 | .0017  | .00037 | .0784  |
| %RSD   | .16494   | 1.0481 | 3.1415  | 625.48  | 8.9931 | 12.97  | .23546 | 1.3727 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 86.302 | .28282 | -.03007 | -.00130 | .01029 | .0140 | .15785 | 5.7649 |
| #2 | 86.503 | .28705 | -.03143 | .00082  | .00906 | .0116 | .15732 | 5.6541 |

Sample Name: J6140-01      Acquired: 11/30/2018 20:54:23      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PAINT-DEBRIS Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.8011 |
| Stddev | .3848  |
| %RSD   | 13.738 |

|    |        |
|----|--------|
| #1 | 2.5290 |
| #2 | 3.0732 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3635.1 | 47616. | 3653.2 | 69.186 | 3658.1 |
| Stddev    | 14.1   | 182.   | 8.3    | 1.090  | 1.8    |
| %RSD      | .38706 | .38243 | .22793 | 1.5757 | .04912 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3625.1 | 47487. | 3647.3 | 69.957 | 3659.4 |
| #2 | 3645.0 | 47744. | 3659.1 | 68.416 | 3656.9 |

Sample Name: J6140-02      Acquired: 11/30/2018 20:58:32      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PAINT-DEBRIS      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00233 | -.00485 | 22.383 | .00354 | .00470 | .17244 | .01814 | .00000 |
| Stddev | .00131  | .00021  | .018   | .00345 | .00208 | .00197 | .00029 | .00008 |
| %RSD   | 56.191  | 4.2564  | .07889 | 97.305 | 44.241 | 1.1426 | 1.6085 | 2263.3 |

|    |         |         |        |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|--------|---------|
| #1 | -.00140 | -.00500 | 22.395 | .00598 | .00323 | .17105 | .01834 | -.00005 |
| #2 | -.00325 | -.00471 | 22.370 | .00111 | .00617 | .17383 | .01793 | .00006  |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03127 | 19.365 | .03809 | .02735 | -.05892 | .34642 | .11940 | .50220 |
| Stddev | .00005 | .494   | .00071 | .00027 | .00011  | .00472 | .00011 | .00302 |
| %RSD   | .15360 | 2.5498 | 1.8618 | .99317 | .18057  | 1.3637 | .09597 | .60054 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .03123 | 19.714 | .03859 | .02716 | -.05885 | .34976 | .11948 | .50433 |
| #2 | .03130 | 19.016 | .03759 | .02754 | -.05900 | .34308 | .11932 | .50007 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .01297 | -.00042 | 310.88 | .00036 | 14.411 | .83514 | -.00196 | .02410 |
| Stddev | .00033 | .00024  | 9.09   | .00051 | .398   | .00106 | .00002  | .00539 |
| %RSD   | 2.5695 | 57.553  | 2.9231 | 142.45 | 2.7635 | .12700 | .81546  | 22.383 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .01274 | -.00025 | 317.30 | .00072  | 14.692 | .83439 | -.00197 | .02029 |
| #2 | .01321 | -.00059 | 304.45 | -.00000 | 14.129 | .83589 | -.00194 | .02792 |

|        |          |        |         |        |        |        |        |        |
|--------|----------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 12.040 | .12789 | -.00452 | .00391 | .00098 | .0038  | .04131 | 5.4158 |
| Stddev | .009     | .00441 | .00010  | .00101 | .00115 | .0011  | .00089 | .0538  |
| %RSD   | .07777   | 3.4448 | 2.1979  | 25.912 | 117.59 | 28.30  | 2.1552 | .99420 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 12.046 | .13100 | -.00445 | .00463 | .00017 | .0046 | .04194 | 5.4539 |
| #2 | 12.033 | .12477 | -.00459 | .00320 | .00180 | .0030 | .04068 | 5.3777 |

Sample Name: J6140-02      Acquired: 11/30/2018 20:58:32      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PAINT-DEBRIS Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.1362 |
| Stddev | .7005  |
| %RSD   | 32.793 |

|    |        |
|----|--------|
| #1 | 1.6409 |
| #2 | 2.6316 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3750.6 | 48491. | 3709.7 | 71.002 | 3858.1 |
| Stddev    | 1.2    | 241.   | 107.4  | 2.092  | 8.6    |
| %RSD      | .03254 | .49653 | 2.8957 | 2.9469 | .22207 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3751.5 | 48321. | 3633.7 | 69.523 | 3852.0 |
| #2 | 3749.8 | 48661. | 3785.6 | 72.482 | 3864.1 |

Sample Name: J6141-01      Acquired: 11/30/2018 21:02:39      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: GD      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00049 | -.00244 | .00462 | .00131 | -.00225 | .03061 | .00307 | -.00004 |
| Stddev | .00272 | .00057  | .00122 | .00218 | .00142  | .00348 | .00013 | .00010  |
| %RSD   | 550.84 | 23.278  | 26.281 | 166.04 | 62.908  | 11.378 | 4.3698 | 229.18  |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.00143 | -.00284 | .00548 | .00286  | -.00326 | .02815 | .00297 | .00003  |
| #2 | .00242  | -.00203 | .00377 | -.00023 | -.00125 | .03307 | .00316 | -.00011 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00008 | .19532 | .00059 | -.00001 | .00363 | .03104 | .00398 | .02111 |
| Stddev | .00001 | .02814 | .00013 | .00023  | .00013 | .00745 | .00003 | .06366 |
| %RSD   | 17.284 | 14.409 | 21.760 | 2100.3  | 3.5955 | 23.998 | .73230 | 301.56 |

|    |        |        |        |         |        |        |        |         |
|----|--------|--------|--------|---------|--------|--------|--------|---------|
| #1 | .00009 | .17542 | .00050 | -.00017 | .00354 | .03630 | .00400 | -.02390 |
| #2 | .00007 | .21522 | .00068 | .00015  | .00373 | .02577 | .00396 | .06613  |

|        |        |         |        |         |        |        |        |         |
|--------|--------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00032 | -.00018 | .70374 | -.00009 | .02400 | .13098 | .00047 | -.00980 |
| Stddev | .00007 | .00027  | .03778 | .00013  | .00065 | .07468 | .00014 | .00896  |
| %RSD   | 20.848 | 148.11  | 5.3687 | 144.93  | 2.6881 | 57.013 | 31.048 | 91.421  |

|    |        |         |        |         |        |        |        |         |
|----|--------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00027 | .00001  | .73045 | .00000  | .02445 | .07818 | .00036 | -.01614 |
| #2 | .00037 | -.00037 | .67702 | -.00018 | .02354 | .18379 | .00057 | -.00347 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .77456 | .00872 | .00011 | .01271 | -.00350 | .0285  | .00053 | 3.6667 |
| Stddev | .00100 | .00122 | .00085 | .00021 | .00021  | .0010  | .00001 | .1846  |
| %RSD   | .12854 | 13.982 | 812.23 | 1.6784 | 6.0453  | 3.503  | 2.4012 | 5.0339 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | .77527 | .00958 | .00071  | .01256 | -.00365 | .0292 | .00053 | 3.7972 |
| #2 | .77386 | .00785 | -.00050 | .01286 | -.00335 | .0278 | .00054 | 3.5362 |

Sample Name: J6141-01      Acquired: 11/30/2018 21:02:39      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: GD      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .14926  
%RSD      15.389

#1      -1.0754  
#2      -.86437

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4042.5 | 54902. | 3794.8 | 75.370 | 4584.6 |
| Stddev    | 8.0    | 497.   | 13.0   | 1.974  | 14.4   |
| %RSD      | .19728 | .90470 | .34387 | 2.6184 | .31454 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4036.9 | 54551. | 3785.6 | 73.975 | 4574.4 |
| #2 | 4048.2 | 55253. | 3804.1 | 76.766 | 4594.8 |

Sample Name: J6078-06      Acquired: 11/30/2018 21:06:44      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |         |        |        |
|--------|----------|---------|---------|---------|---------|---------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00026   | -.00071 | .00355  | .00276  | -.00405 | -.00639 | .02093 | .00012 |
| Stddev | .00170   | .00205  | .00120  | .00061  | .00181  | .00973  | .00104 | .00001 |
| %RSD   | 656.84   | 289.71  | 33.765  | 21.903  | 44.693  | 152.20  | 4.9749 | 4.8641 |
| #1     | .00146   | .00074  | .00270  | .00234  | -.00533 | .00049  | .02167 | .00012 |
| #2     | -.00094  | -.00216 | .00439  | .00319  | -.00277 | -.01327 | .02020 | .00012 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00014  | 43.540  | -.00069 | -.00014 | .00105  | .00606  | .00200 | 61.196 |
| Stddev | .00011   | .078    | .00062  | .00015  | .00002  | .01412  | .00022 | .027   |
| %RSD   | 77.316   | .17811  | 89.974  | 107.96  | 1.5826  | 233.17  | 10.969 | .04462 |
| #1     | -.00021  | 43.486  | -.00114 | -.00024 | .00103  | .01604  | .00216 | 61.215 |
| #2     | -.00006  | 43.595  | -.00025 | -.00003 | .00106  | -.00393 | .00185 | 61.177 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00269  | -.00052 | 465.81  | .00072  | .00015  | 19.131  | .00034 | .17753 |
| Stddev | .00048   | .00007  | 8.58    | .00036  | .00008  | .048    | .00010 | .00356 |
| %RSD   | 17.750   | 12.845  | 1.8412  | 50.481  | 54.359  | .24929  | 29.654 | 2.0038 |
| #1     | -.00235  | -.00048 | 471.87  | .00097  | .00020  | 19.165  | .00027 | .17501 |
| #2     | -.00303  | -.00057 | 459.74  | .00046  | .00009  | 19.097  | .00041 | .18004 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 44.676 | 2.6265  | -.01753 | .00099  | .00008  | .0388   | .47483 | 4.5210 |
| Stddev | 1.639    | .0295   | .00043  | .00292  | .00077  | .0011   | .00108 | .5701  |
| %RSD   | 3.6688   | 1.1244  | 2.4456  | 294.65  | 1022.7  | 2.839   | .22795 | 12.611 |
| #1     | 43.517   | 2.6473  | -.01723 | .00305  | -.00047 | .0395   | .47560 | 4.9241 |
| #2     | 45.835   | 2.6056  | -.01783 | -.00107 | .00062  | .0380   | .47407 | 4.1178 |



Sample Name: J6078-06      Acquired: 11/30/2018 21:06:44      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.4399 |
| Stddev | .1796  |
| %RSD   | 5.2224 |

|    |        |
|----|--------|
| #1 | 3.5669 |
| #2 | 3.3128 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3903.2 | 51047. | 3976.9 | 77.910 | 3887.7 |
| Stddev    | 129.0  | 2468.  | 18.3   | .037   | 133.8  |
| %RSD      | 3.3048 | 4.8340 | .46069 | .04740 | 3.4404 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3994.4 | 49303. | 3964.0 | 77.883 | 3982.3 |
| #2 | 3812.0 | 52792. | 3989.9 | 77.936 | 3793.1 |

Sample Name: CCV10      Acquired: 11/30/2018 21:10:53      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0497 | 4.8357 | 4.8574 | 4.8918 | 5.0758 | 10.011 | 9.9114 | .24740 |
| Stddev | .0655  | .0812  | .0745  | .0642  | .0745  | .039   | .0812  | .00057 |
| %RSD   | 1.2981 | 1.6790 | 1.5344 | 1.3123 | 1.4681 | .39359 | .81886 | .23187 |
| #1     | 5.0033 | 4.7783 | 4.8047 | 4.8464 | 5.0231 | 9.9827 | 9.9688 | .24699 |
| #2     | 5.0960 | 4.8931 | 4.9101 | 4.9372 | 5.1285 | 10.038 | 9.8540 | .24780 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4192 | 25.309 | 1.0070 | 2.4700 | 1.2363 | 4.6416 | 2.5077 | 23.627 |
| Stddev | .0340  | .122   | .0033  | .0335  | .0168  | .1023  | .0061  | .104   |
| %RSD   | 1.4039 | .48228 | .32995 | 1.3544 | 1.3585 | 2.2039 | .24342 | .44108 |
| #1     | 2.3952 | 25.396 | 1.0094 | 2.4464 | 1.2244 | 4.7139 | 2.5034 | 23.553 |
| #2     | 2.4433 | 25.223 | 1.0047 | 2.4937 | 1.2482 | 4.5693 | 2.5120 | 23.700 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3813 | 1.1882 | 24.230 | 2.3424 | 2.5216 | 23.357 | 4.8068 | 4.7372 |
| Stddev | .0353  | .0028  | .283   | .0064  | .0754  | .246   | .0723  | .0227  |
| %RSD   | 1.4827 | .23914 | 1.1685 | .27482 | 2.9906 | 1.0527 | 1.5047 | .47844 |
| #1     | 2.3564 | 1.1862 | 24.430 | 2.3379 | 2.5749 | 23.531 | 4.7556 | 4.7212 |
| #2     | 2.4063 | 1.1902 | 24.030 | 2.3470 | 2.4683 | 23.183 | 4.8579 | 4.7532 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.5519 | 4.6720 | 4.6481 | 4.8339 | 4.9172 | 4.791  | 5.1426 | 4.7255 |
| Stddev | .0621  | .0366  | .0602  | .0066  | .0415  | .071   | .0529  | .1359  |
| %RSD   | 1.3647 | .78276 | 1.2957 | .13749 | .84476 | 1.489  | 1.0294 | 2.8753 |
| #1     | 4.5080 | 4.6979 | 4.6056 | 4.8386 | 4.9466 | 4.740  | 5.1800 | 4.8216 |
| #2     | 4.5958 | 4.6462 | 4.6907 | 4.8292 | 4.8878 | 4.841  | 5.1051 | 4.6294 |

Sample Name: CCV10      Acquired: 11/30/2018 21:10:53      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.3631  
Stddev      .1297  
%RSD      5.4883

#1      2.4549  
#2      2.2714

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3888.4 | 51187. | 3770.6 | 72.314 | 3898.3 |
| Stddev    | 47.6   | 127.   | 33.4   | 2.230  | 49.5   |
| %RSD      | 1.2242 | .24840 | .88595 | 3.0844 | 1.2689 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3922.0 | 51097. | 3747.0 | 70.737 | 3933.3 |
| #2 | 3854.7 | 51277. | 3794.2 | 73.891 | 3863.4 |

Sample Name: CCB10      Acquired: 11/30/2018 21:14:38      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00017 | .00027 | F .00335 | .00212 | -.00059 | .00736 | .00318 |
| Stddev | .00161 | .00092 | .00086   | .00121 | .00085  | .00023 | .00013 |
| %RSD   | 958.52 | 335.43 | 25.715   | 57.367 | 142.79  | 3.1326 | 4.0520 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | .00131  | .00093  | .00396 | .00297 | -.00119 | .00753 | .00327 |
| #2 | -.00097 | -.00038 | .00274 | .00126 | .00001  | .00720 | .00309 |

|        |        |        |         |         |         |         |        |
|--------|--------|--------|---------|---------|---------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00000 | .00006 | -.00793 | -.00033 | -.00010 | -.00002 | .00727 |
| Stddev | .00003 | .00008 | .02215  | .00017  | .00001  | .00005  | .00820 |
| %RSD   | 703.18 | 138.89 | 279.33  | 53.180  | 14.463  | 281.27  | 112.85 |

|    |         |        |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|--------|
| #1 | .00002  | .00011 | -.02359 | -.00045 | -.00009 | -.00005 | .01307 |
| #2 | -.00002 | .00000 | .00773  | -.00020 | -.00011 | .00002  | .00147 |

|        |        |        |         |        |        |         |         |
|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00018 | .01867 | -.00081 | .00004 | .07417 | -.00034 | -.00045 |
| Stddev | .00000 | .07149 | .00029  | .00020 | .01168 | .00033  | .00008  |
| %RSD   | 1.2348 | 382.91 | 35.771  | 533.82 | 15.742 | 97.670  | 17.614  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00018 | -.03188 | -.00060 | -.00011 | .08243 | -.00010 | -.00051 |
| #2 | .00018 | .06922  | -.00101 | .00018  | .06592 | -.00057 | -.00039 |

|        |         |        |         |           |        |         |        |
|--------|---------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.01032 | .00069 | -.00619 | F -.15221 | .00321 | -.00131 | .00174 |
| Stddev | .01593  | .00016 | .00848  | .00409    | .00180 | .00050  | .00165 |
| %RSD   | 154.37  | 23.690 | 137.02  | 2.6878    | 56.073 | 38.217  | 95.014 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | .00094  | .00081 | -.00019 | -.15510 | .00194 | -.00096 | .00057 |
| #2 | -.02159 | .00058 | -.01218 | -.14932 | .00448 | -.00167 | .00290 |

Sample Name: CCB10      Acquired: 11/30/2018 21:14:38      Type: Unk  
 Method: P4-ICP2(v2618)      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    | -.00123 | -.0038 | -.00004 | F 3.6818 | F<.00000 |
| Stddev | .00175  | .0011  | .00012  | .1188    | .10012   |
| %RSD   | 142.46  | 30.00  | 287.67  | 3.2258   | 43.908   |

|    |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|
| #1 | .00001  | -.0030 | .00004  | 3.7658 | -.29881 |
| #2 | -.00246 | -.0046 | -.00013 | 3.5979 | -.15722 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4053.4 | 54144. | 3780.9 | 74.566 | 4455.8 |
| Stddev    | 25.3   | 117.   | 2.7    | .276   | 34.3   |
| %RSD      | .62415 | .21696 | .07209 | .37070 | .77019 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4071.3 | 54061. | 3782.8 | 74.370 | 4480.1 |
| #2 | 4035.5 | 54227. | 3778.9 | 74.761 | 4431.6 |

Sample Name: J6078-07      Acquired: 11/30/2018 21:18:43      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00159 | -.00122 | .00286 | .00091 | -.00211 | -.00984 | .02299 | .00015 |
| Stddev | .00210 | .00108  | .00083 | .00022 | .00085  | .00589  | .00039 | .00010 |
| %RSD   | 131.98 | 88.713  | 28.857 | 24.575 | 40.312  | 59.905  | 1.6899 | 66.653 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00307 | -.00045 | .00345 | .00075 | -.00272 | -.01400 | .02271 | .00008 |
| #2 | .00011 | -.00198 | .00228 | .00107 | -.00151 | -.00567 | .02326 | .00022 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00004 | 44.396 | -.00091 | -.00041 | .00065 | .02402 | .00207 | 63.348 |
| Stddev | .00000  | .019   | .00035  | .00017  | .00038 | .00208 | .00005 | .039   |
| %RSD   | 4.9997  | .04196 | 37.952  | 42.948  | 58.869 | 8.6763 | 2.1737 | .06215 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00004 | 44.409 | -.00067 | -.00053 | .00092 | .02254 | .00211 | 63.320 |
| #2 | -.00005 | 44.383 | -.00115 | -.00028 | .00038 | .02549 | .00204 | 63.376 |

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00268 | -.00020 | 479.56 | .00053 | -.00012 | 19.416 | .00054 | .19463 |
| Stddev | .00041  | .00092  | 2.65   | .00060 | .00008  | .201   | .00019 | .00884 |
| %RSD   | 15.386  | 465.98  | .55326 | 111.85 | 67.999  | 1.0373 | 34.167 | 4.5395 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00297 | .00045  | 481.44 | .00011 | -.00006 | 19.559 | .00041 | .18838 |
| #2 | -.00239 | -.00085 | 477.69 | .00096 | -.00018 | 19.274 | .00067 | .20088 |

|        |          |        |         |         |        |        |        |        |
|--------|----------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 44.841 | 2.6521 | -.01794 | -.00009 | .00210 | .0391  | .48087 | 4.5777 |
| Stddev | .412     | .0054  | .00017  | .00069  | .00254 | .0022  | .00286 | .0232  |
| %RSD   | .91811   | .20530 | .94116  | 760.73  | 120.71 | 5.687  | .59404 | .50578 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 44.550 | 2.6483 | -.01806 | .00040  | .00390 | .0407 | .48289 | 4.5941 |
| #2 | 45.132 | 2.6560 | -.01782 | -.00058 | .00031 | .0375 | .47885 | 4.5613 |

Sample Name: J6078-07      Acquired: 11/30/2018 21:18:43      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.6639  
Stddev      .0636  
%RSD      1.7373

#1      3.6189  
#2      3.7089

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4004.9 | 51216. | 3918.5 | 76.220 | 3954.9 |
| Stddev    | 29.1   | 231.   | 12.3   | 1.181  | 27.8   |
| %RSD      | .72752 | .45165 | .31370 | 1.5493 | .70240 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4025.5 | 51052. | 3909.8 | 77.055 | 3974.5 |
| #2 | 3984.3 | 51380. | 3927.2 | 75.385 | 3935.2 |

Sample Name: J6078-08      Acquired: 11/30/2018 21:22:51      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00201   | -.00100 | .00129  | .00237  | -.00248 | -.02796 | .02258 | .00003 |
| Stddev | .00050   | .00020  | .00041  | .00161  | .00127  | .00476  | .00113 | .00002 |
| %RSD   | 24.878   | 19.654  | 31.506  | 67.798  | 51.413  | 17.023  | 5.0132 | 62.860 |
| #1     | .00236   | -.00114 | .00158  | .00351  | -.00158 | -.02460 | .02338 | .00002 |
| #2     | .00165   | -.00086 | .00100  | .00124  | -.00338 | -.03133 | .02178 | .00004 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00007  | 44.341  | -.00084 | -.00017 | .00102  | .00899  | .00198 | 63.606 |
| Stddev | .00000   | .011    | .00024  | .00004  | .00036  | .00364  | .00005 | .061   |
| %RSD   | 3.1314   | .02435  | 29.286  | 25.170  | 35.648  | 40.508  | 2.5681 | .09606 |
| #1     | -.00007  | 44.333  | -.00066 | -.00020 | .00127  | .00642  | .00201 | 63.649 |
| #2     | -.00007  | 44.348  | -.00101 | -.00014 | .00076  | .01157  | .00194 | 63.563 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00240  | .00020  | 475.62  | .00042  | -.00014 | 19.670  | .00034 | .19468 |
| Stddev | .00036   | .00002  | 5.85    | .00045  | .00002  | .047    | .00003 | .00837 |
| %RSD   | 14.909   | 11.536  | 1.2301  | 108.37  | 16.819  | .23748  | 9.9445 | 4.2991 |
| #1     | -.00265  | .00021  | 479.76  | .00010  | -.00016 | 19.703  | .00031 | .18877 |
| #2     | -.00215  | .00018  | 471.48  | .00073  | -.00012 | 19.637  | .00036 | .20060 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 44.184 | 2.6051  | -.01852 | .00325  | .00155  | .0389   | .48284 | 4.5600 |
| Stddev | .904     | .0242   | .00135  | .00163  | .00056  | .0007   | .00091 | .0232  |
| %RSD   | 2.0459   | .92903  | 7.2897  | 50.253  | 35.975  | 1.734   | .18796 | .50827 |
| #1     | 44.824   | 2.6222  | -.01947 | .00210  | .00115  | .0384   | .48349 | 4.5436 |
| #2     | 43.545   | 2.5880  | -.01756 | .00441  | .00194  | .0394   | .48220 | 4.5764 |



Sample Name: J6078-08      Acquired: 11/30/2018 21:22:51      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.8899 |
| Stddev | .0262  |
| %RSD   | .67232 |

|    |        |
|----|--------|
| #1 | 3.9084 |
| #2 | 3.8714 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4066.7 | 50816. | 3961.9 | 79.086 | 4019.2 |
| Stddev    | 69.2   | 132.   | 35.3   | 1.080  | 70.6   |
| %RSD      | 1.7018 | .25920 | .89212 | 1.3660 | 1.7576 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4017.8 | 50723. | 3936.9 | 79.849 | 3969.3 |
| #2 | 4115.6 | 50909. | 3986.9 | 78.322 | 4069.2 |

Sample Name: J6078-09      Acquired: 11/30/2018 21:26:59      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00294   | -.00116 | .00091  | .00122  | -.00474 | -.02299 | .02197 | .00008 |
| Stddev | .00206   | .00124  | .00067  | .00144  | .00149  | .00162  | .00007 | .00005 |
| %RSD   | 69.998   | 107.45  | 73.363  | 118.09  | 31.461  | 7.0626  | .32498 | 62.991 |
| #1     | .00149   | -.00028 | .00044  | .00020  | -.00369 | -.02184 | .02192 | .00004 |
| #2     | .00440   | -.00204 | .00139  | .00223  | -.00580 | -.02413 | .02202 | .00012 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00012  | 46.972  | -.00061 | -.00012 | .00106  | .00130  | .00187 | 72.065 |
| Stddev | .00012   | .103    | .00011  | .00014  | .00032  | .00095  | .00001 | .237   |
| %RSD   | 96.412   | .21936  | 18.386  | 118.57  | 30.524  | 73.013  | .56368 | .32954 |
| #1     | -.00020  | 47.045  | -.00053 | -.00022 | .00129  | .00063  | .00187 | 72.233 |
| #2     | -.00004  | 46.899  | -.00069 | -.00002 | .00083  | .00197  | .00188 | 71.897 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00266  | .00009  | 532.56  | .00083  | .00007  | 22.408  | .00052 | .22111 |
| Stddev | .00002   | .00016  | 6.62    | .00006  | .00001  | .122    | .00004 | .00120 |
| %RSD   | .79478   | 187.67  | 1.2426  | 6.9681  | 16.861  | .54431  | 7.5433 | .54453 |
| #1     | -.00265  | .00020  | 537.24  | .00087  | .00006  | 22.494  | .00055 | .22026 |
| #2     | -.00268  | -.00003 | 527.88  | .00079  | .00008  | 22.321  | .00049 | .22196 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 51.437 | 2.5768  | -.02060 | .00181  | .00426  | .0417   | .53416 | 4.7446 |
| Stddev | .746     | .0449   | .00026  | .00009  | .00080  | .0011   | .00403 | .0362  |
| %RSD   | 1.4508   | 1.7445  | 1.2734  | 5.1985  | 18.775  | 2.597   | .75426 | .76266 |
| #1     | 51.965   | 2.6086  | -.02079 | .00175  | .00483  | .0425   | .53701 | 4.7190 |
| #2     | 50.910   | 2.5450  | -.02042 | .00188  | .00370  | .0410   | .53131 | 4.7702 |

Sample Name: J6078-09      Acquired: 11/30/2018 21:26:59      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.8151 |
| Stddev | .2633  |
| %RSD   | 5.4675 |

|    |        |
|----|--------|
| #1 | 4.6290 |
| #2 | 5.0013 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3984.6 | 50432. | 3940.9 | 78.718 | 3920.6 |
| Stddev    | 50.7   | 371.   | 47.7   | 3.639  | 47.1   |
| %RSD      | 1.2713 | .73614 | 1.2095 | 4.6228 | 1.2013 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3948.8 | 50695. | 3907.2 | 76.145 | 3887.3 |
| #2 | 4020.4 | 50170. | 3974.6 | 81.291 | 3953.9 |

Sample Name: J6078-10      Acquired: 11/30/2018 21:31:07      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00245   | -.00033 | .00163  | .00131  | -.00323 | -.01805 | .02352 | .00013 |
| Stddev | .00331   | .00104  | .00089  | .00175  | .00190  | .00357  | .00006 | .00004 |
| %RSD   | 134.74   | 314.96  | 54.493  | 133.43  | 58.781  | 19.796  | .24243 | 29.734 |
| #1     | .00012   | -.00106 | .00100  | .00007  | -.00189 | -.01552 | .02356 | .00010 |
| #2     | .00479   | .00040  | .00225  | .00255  | -.00457 | -.02058 | .02348 | .00015 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00006  | 47.401  | -.00059 | -.00049 | .00101  | .00561  | .00188 | 70.839 |
| Stddev | .00003   | .073    | .00002  | .00002  | .00050  | .00807  | .00005 | .256   |
| %RSD   | 42.077   | .15346  | 3.0306  | 4.0170  | 49.040  | 144.00  | 2.4966 | .36161 |
| #1     | -.00004  | 47.350  | -.00058 | -.00051 | .00136  | .01132  | .00185 | 70.658 |
| #2     | -.00008  | 47.453  | -.00060 | -.00048 | .00066  | -.00010 | .00191 | 71.020 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00280  | -.00035 | 533.10  | .00082  | .00101  | 22.241  | .00037 | .22367 |
| Stddev | .00012   | .00023  | 2.26    | .00056  | .00011  | .173    | .00004 | .00979 |
| %RSD   | 4.1184   | 65.873  | .42378  | 68.410  | 11.313  | .77917  | 11.428 | 4.3788 |
| #1     | -.00288  | -.00051 | 531.50  | .00121  | .00109  | 22.118  | .00040 | .21674 |
| #2     | -.00271  | -.00019 | 534.69  | .00042  | .00093  | 22.363  | .00034 | .23059 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 52.385 | 2.6380  | -.02089 | .00261  | .00336  | .0422   | .53321 | 4.7669 |
| Stddev | .171     | .0353   | .00057  | .00255  | .00162  | .0008   | .00327 | .3707  |
| %RSD   | .32577   | 1.3373  | 2.7121  | 97.671  | 48.132  | 1.963   | .61382 | 7.7770 |
| #1     | 52.506   | 2.6131  | -.02049 | .00441  | .00222  | .0416   | .53090 | 4.5048 |
| #2     | 52.265   | 2.6629  | -.02129 | .00081  | .00451  | .0428   | .53553 | 5.0291 |

Sample Name: J6078-10      Acquired: 11/30/2018 21:31:07      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.9066  
Stddev      .9968  
%RSD      25.516

#1      4.6114  
#2      3.2017

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3901.5 | 50412. | 3910.4 | 77.280 | 3841.8 |
| Stddev    | 37.9   | 1019.  | 23.0   | 1.331  | 18.9   |
| %RSD      | .97049 | 2.0218 | .58763 | 1.7226 | .49291 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3874.8 | 51132. | 3926.6 | 76.339 | 3828.4 |
| #2 | 3928.3 | 49691. | 3894.1 | 78.222 | 3855.2 |

Sample Name: J6078-11      Acquired: 11/30/2018 21:35:15      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00331   | -.00181 | .00151  | .00220  | -.00292 | -.01460 | .02390 | .00012 |
| Stddev | .00333   | .00067  | .00083  | .00150  | .00085  | .00273  | .00067 | .00002 |
| %RSD   | 100.51   | 37.228  | 54.802  | 68.053  | 29.030  | 18.711  | 2.8132 | 16.407 |
| #1     | .00096   | -.00228 | .00092  | .00114  | -.00232 | -.01267 | .02438 | .00010 |
| #2     | .00566   | -.00133 | .00209  | .00327  | -.00352 | -.01653 | .02343 | .00013 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00012  | 50.836  | -.00061 | -.00021 | .00075  | .01353  | .00206 | 81.237 |
| Stddev | .00008   | .401    | .00054  | .00008  | .00024  | .00417  | .00005 | .106   |
| %RSD   | 63.651   | .78787  | 88.291  | 38.294  | 32.605  | 30.805  | 2.3273 | .13066 |
| #1     | -.00007  | 51.119  | -.00023 | -.00015 | .00092  | .01058  | .00210 | 81.312 |
| #2     | -.00017  | 50.553  | -.00099 | -.00026 | .00057  | .01647  | .00203 | 81.162 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00359  | .00030  | 605.03  | -.00002 | -.00028 | 25.553  | .00029 | .25479 |
| Stddev | .00038   | .00025  | 5.80    | .00050  | .00011  | .157    | .00007 | .01442 |
| %RSD   | 10.714   | 81.494  | .95865  | 2704.4  | 38.831  | .61544  | 25.901 | 5.6614 |
| #1     | -.00331  | .00048  | 609.14  | .00034  | -.00021 | 25.664  | .00034 | .26499 |
| #2     | -.00386  | .00013  | 600.93  | -.00038 | -.00036 | 25.442  | .00024 | .24459 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 59.803 | 2.6481  | -.02274 | .00289  | .00535  | .0434   | .59550 | 5.1165 |
| Stddev | .044     | .0243   | .00054  | .00090  | .00016  | .0028   | .00673 | .0076  |
| %RSD   | .07401   | .91823  | 2.3665  | 31.091  | 2.9931  | 6.417   | 1.1303 | .14888 |
| #1     | 59.771   | 2.6653  | -.02312 | .00225  | .00547  | .0415   | .60026 | 5.1111 |
| #2     | 59.834   | 2.6309  | -.02236 | .00352  | .00524  | .0454   | .59074 | 5.1219 |

Sample Name: J6078-11      Acquired: 11/30/2018 21:35:15      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.0918 |
| Stddev | .6975  |
| %RSD   | 17.046 |

|    |        |
|----|--------|
| #1 | 4.5850 |
| #2 | 3.5985 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3839.1 | 48713. | 3823.1 | 76.130 | 3753.3 |
| Stddev    | 2.0    | 47.    | 23.8   | 1.075  | .3     |
| %RSD      | .05151 | .09566 | .62255 | 1.4115 | .00759 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3837.7 | 48680. | 3806.3 | 75.370 | 3753.5 |
| #2 | 3840.5 | 48746. | 3839.9 | 76.890 | 3753.1 |

Sample Name: J6078-12      Acquired: 11/30/2018 21:39:23      Type: Unk  
Method: P4-ICP2(v2618)      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 .00118 | k -.00068 | k .00120 | k .00208 | k -.00276 | s -.01104 | .02475 |
| Stddev | .00099   | .00204    | .00027   | .00074   | .00072    | .01671    | .00213 |
| %RSD   | 84.000   | 300.60    | 22.504   | 35.388   | 25.977    | 151.37    | 8.5864 |

|    |          |          |          |          |           |           |        |
|----|----------|----------|----------|----------|-----------|-----------|--------|
| #1 | k .00048 | k .00076 | k .00139 | k .00261 | k -.00326 | s -.02285 | .02325 |
| #2 | .00187   | -.00212  | .00101   | .00156   | -.00225   | .00078    | .02625 |

|        |          |           |        |           |           |          |          |
|--------|----------|-----------|--------|-----------|-----------|----------|----------|
| Elem   | Be2348   | Cd2265    | Ca3736 | Cr2677    | Co2286    | Cu2247   | Fe2404   |
| Units  | ppm      | ppm       | ppm    | ppm       | ppm       | ppm      | ppm      |
| Avg    | s .00007 | k -.00004 | 50.298 | s -.00104 | k -.00028 | k .00101 | k .01791 |
| Stddev | .00003   | .00005    | .652   | .00004    | .00003    | .00057   | .00015   |
| %RSD   | 42.600   | 125.43    | 1.2963 | 4.2870    | 9.0451    | 56.790   | .83757   |

|    |          |           |        |           |           |          |          |
|----|----------|-----------|--------|-----------|-----------|----------|----------|
| #1 | s .00009 | k -.00000 | 49.837 | s -.00101 | k -.00030 | k .00141 | k .01802 |
| #2 | .00005   | -.00008   | 50.759 | -.00107   | -.00026   | .00060   | .01781   |

|        |          |        |           |           |        |          |          |
|--------|----------|--------|-----------|-----------|--------|----------|----------|
| Elem   | Mn2576   | Mg2790 | Ni2316    | Ag3280    | Na5895 | V_2924   | Zn2138   |
| Units  | ppm      | ppm    | ppm       | ppm       | ppm    | ppm      | ppm      |
| Avg    | s .00148 | 81.361 | k -.00296 | s -.00040 | 602.29 | s .00030 | k .00008 |
| Stddev | .00087   | .538   | .00005    | .00033    | 7.04   | .00001   | .00006   |
| %RSD   | 58.539   | .66153 | 1.8480    | 81.811    | 1.1682 | 2.1486   | 69.448   |

|    |          |        |           |           |        |          |          |
|----|----------|--------|-----------|-----------|--------|----------|----------|
| #1 | s .00087 | 80.980 | k -.00300 | s -.00064 | 597.32 | s .00030 | k .00004 |
| #2 | .00209   | 81.741 | -.00292   | -.00017   | 607.27 | .00029   | .00012   |

|        |        |        |          |           |          |           |          |
|--------|--------|--------|----------|-----------|----------|-----------|----------|
| Elem   | K_7664 | Mo2020 | B_2496   | S_1820    | Si2881   | Sn1899    | Ti3361   |
| Units  | ppm    | ppm    | ppm      | ppm       | ppm      | ppm       | ppm      |
| Avg    | 25.487 | .00052 | k .25703 | kF 59.222 | k 2.6087 | k -.01186 | k .00094 |
| Stddev | .475   | .00008 | .00452   | .086      | .0900    | .01637    | .00368   |
| %RSD   | 1.8618 | 15.632 | 1.7566   | .14525    | 3.4503   | 138.08    | 392.17   |

|    |        |        |          |          |          |           |          |
|----|--------|--------|----------|----------|----------|-----------|----------|
| #1 | 25.151 | .00058 | k .25384 | k 59.162 | k 2.5451 | k -.00028 | k .00354 |
| #2 | 25.822 | .00046 | .26022   | 59.283   | 2.6723   | -.02343   | -.00166  |



Sample Name: J6078-12      Acquired: 11/30/2018 21:39:23      Type: Unk  
 Method: P4-ICP2(v2618)      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    | .00433 | k .0454 | k .59042 | 4.3117 | 4.3834 |
| Stddev | .00076 | .0013   | .01134   | 1.1658 | .0457  |
| %RSD   | 17.464 | 2.969   | 1.9211   | 27.037 | 1.0423 |

|    |        |         |          |        |        |
|----|--------|---------|----------|--------|--------|
| #1 | .00379 | k .0464 | k .58240 | 3.4874 | 4.3511 |
| #2 | .00486 | .0445   | .59844   | 5.1361 | 4.4157 |

|           |        |         |        |        |        |
|-----------|--------|---------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3865.3 | ^ ***** | 3851.2 | 75.932 | 3780.8 |
| Stddev    | 1.2    | -----   | 67.4   | 1.245  | 7.7    |
| %RSD      | .03154 | -----   | 1.7506 | 1.6395 | .20385 |

|    |        |         |        |        |        |
|----|--------|---------|--------|--------|--------|
| #1 | 3866.1 | ^ ----- | 3898.8 | 76.813 | 3786.2 |
| #2 | 3864.4 | 48249.  | 3803.5 | 75.052 | 3775.3 |

Sample Name: J6078-13      Acquired: 11/30/2018 21:43:31      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00073   | .00134  | .00398  | .00460  | -.00257 | -.01889 | .02549 | .00035 |
| Stddev | .00205   | .00201  | .00217  | .00236  | .00099  | .04282  | .00051 | .00004 |
| %RSD   | 281.55   | 150.15  | 54.670  | 51.288  | 38.617  | 226.61  | 1.9953 | 11.655 |
| #1     | -.00072  | -.00008 | .00551  | .00627  | -.00328 | .01138  | .02513 | .00032 |
| #2     | .00218   | .00275  | .00244  | .00293  | -.00187 | -.04917 | .02585 | .00038 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00012   | 52.985  | -.00079 | -.00004 | .00125  | .01595  | .00261 | 88.032 |
| Stddev | .00001   | .125    | .00009  | .00006  | .00035  | .00534  | .00012 | .427   |
| %RSD   | 5.6093   | .23606  | 10.838  | 167.47  | 27.838  | 33.491  | 4.4607 | .48497 |
| #1     | .00011   | 52.896  | -.00085 | -.00008 | .00101  | .01973  | .00269 | 87.730 |
| #2     | .00012   | 53.073  | -.00073 | .00001  | .00150  | .01217  | .00253 | 88.334 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00290  | -.00023 | 659.11  | .00124  | .00018  | 27.673  | .00083 | .27654 |
| Stddev | .00067   | .00012  | 10.68   | .00004  | .00003  | .030    | .00032 | .00711 |
| %RSD   | 23.104   | 52.382  | 1.6201  | 3.4142  | 19.117  | .10992  | 38.476 | 2.5716 |
| #1     | -.00338  | -.00031 | 666.66  | .00127  | .00020  | 27.651  | .00060 | .27151 |
| #2     | -.00243  | -.00014 | 651.56  | .00121  | .00016  | 27.694  | .00106 | .28157 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 65.065 | 2.6761  | -.02505 | .00100  | .00721  | .0502   | .63563 | 4.8228 |
| Stddev | .968     | .0027   | .00045  | .00105  | .00119  | .0003   | .00194 | .4371  |
| %RSD   | 1.4883   | .09924  | 1.8028  | 105.81  | 16.531  | .5009   | .30496 | 9.0633 |
| #1     | 65.750   | 2.6780  | -.02537 | .00174  | .00805  | .0504   | .63700 | 5.1319 |
| #2     | 64.380   | 2.6742  | -.02473 | .00025  | .00637  | .0500   | .63426 | 4.5137 |

Sample Name: J6078-13      Acquired: 11/30/2018 21:43:31      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.2946 |
| Stddev | .1303  |
| %RSD   | 3.0335 |

|    |        |
|----|--------|
| #1 | 4.2025 |
| #2 | 4.3867 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3798.1 | 49247. | 3786.9 | 74.512 | 3705.9 |
| Stddev    | 20.5   | 1410.  | 10.4   | 1.462  | 43.6   |
| %RSD      | .53906 | 2.8632 | .27510 | 1.9618 | 1.1757 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3783.6 | 48249. | 3794.3 | 75.546 | 3675.1 |
| #2 | 3812.6 | 50244. | 3779.6 | 73.479 | 3736.7 |

Sample Name: J6078-14      Acquired: 11/30/2018 21:47:39      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00020 | -.00145 | .00183 | .00322 | -.00371 | -.04573 | .02392 | .00009 |
| Stddev | .00052 | .00060  | .00024 | .00079 | .00062  | .00263  | .00065 | .00009 |
| %RSD   | 265.42 | 41.165  | 12.935 | 24.519 | 16.802  | 5.7410  | 2.7367 | 101.44 |

|    |         |         |        |        |         |         |        |        |
|----|---------|---------|--------|--------|---------|---------|--------|--------|
| #1 | -.00017 | -.00103 | .00200 | .00378 | -.00327 | -.04759 | .02346 | .00003 |
| #2 | .00057  | -.00188 | .00166 | .00266 | -.00415 | -.04388 | .02439 | .00015 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00006 | 51.760 | -.00070 | -.00049 | .00067 | .01471 | .00232 | 86.291 |
| Stddev | .00005  | .675   | .00008  | .00003  | .00050 | .01125 | .00001 | .515   |
| %RSD   | 74.453  | 1.3033 | 11.662  | 7.0173  | 75.046 | 76.481 | .30998 | .59713 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00009 | 51.283 | -.00064 | -.00051 | .00032 | .02266 | .00232 | 85.927 |
| #2 | -.00003 | 52.237 | -.00076 | -.00046 | .00103 | .00675 | .00231 | 86.656 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00317 | -.00023 | 641.35 | .00098 | .00003 | 27.260 | .00087 | .27592 |
| Stddev | .00031  | .00034  | 5.80   | .00025 | .00002 | .272   | .00012 | .00328 |
| %RSD   | 9.7060  | 145.00  | .90498 | 25.501 | 56.679 | .99941 | 13.692 | 1.1900 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00295 | .00001  | 645.45 | .00081 | .00002 | 27.067 | .00079 | .27824 |
| #2 | -.00338 | -.00047 | 637.24 | .00116 | .00005 | 27.453 | .00095 | .27360 |

|        |          |        |         |        |        |        |        |        |
|--------|----------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 62.716 | 2.6379 | -.02427 | .00305 | .00663 | .0428  | .62253 | 4.9172 |
| Stddev | 1.063    | .0435  | .00134  | .00158 | .00013 | .0002  | .00813 | .0902  |
| %RSD   | 1.6950   | 1.6504 | 5.5100  | 51.757 | 1.9707 | .4758  | 1.3058 | 1.8343 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 61.964 | 2.6072 | -.02332 | .00193 | .00672 | .0426 | .61678 | 4.9810 |
| #2 | 63.468 | 2.6687 | -.02521 | .00416 | .00654 | .0429 | .62828 | 4.8535 |

Sample Name: J6078-14      Acquired: 11/30/2018 21:47:39      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      4.1795  
Stddev      .9176  
%RSD      21.954

#1      3.5307  
#2      4.8283

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3880.6 | 48837. | 3857.6 | 75.757 | 3805.4 |
| Stddev    | 75.2   | 100.   | 30.5   | .150   | 62.8   |
| %RSD      | 1.9374 | .20429 | .78974 | .19760 | 1.6506 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3933.7 | 48766. | 3879.1 | 75.652 | 3849.8 |
| #2 | 3827.4 | 48907. | 3836.0 | 75.863 | 3761.0 |

Sample Name: J6078-15      Acquired: 11/30/2018 21:51:47      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00100   | -.00182 | .00328  | .00198  | -.00388 | -.03545 | .02648 | .00008 |
| Stddev | .00005   | .00176  | .00085  | .00005  | .00197  | .01165  | .00081 | .00006 |
| %RSD   | 5.3380   | 96.404  | 25.888  | 2.6835  | 50.674  | 32.858  | 3.0613 | 77.719 |
| #1     | .00096   | -.00058 | .00388  | .00202  | -.00249 | -.02722 | .02590 | .00004 |
| #2     | .00104   | -.00306 | .00268  | .00195  | -.00527 | -.04369 | .02705 | .00012 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00018  | 76.876  | -.00132 | -.00032 | .00104  | -.01429 | .00397 | 170.71 |
| Stddev | .00009   | .942    | .00016  | .00008  | .00055  | .00367  | .00015 | .53    |
| %RSD   | 53.390   | 1.2251  | 11.827  | 24.365  | 52.444  | 25.688  | 3.8397 | .31075 |
| #1     | -.00011  | 76.210  | -.00121 | -.00027 | .00065  | -.01169 | .00386 | 170.33 |
| #2     | -.00024  | 77.542  | -.00143 | -.00038 | .00142  | -.01688 | .00408 | 171.09 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00448  | .00029  | 1173.7  | .00016  | .00085  | 54.792  | .00136 | .57270 |
| Stddev | .00056   | .00047  | 8.9     | .00032  | .00007  | .306    | .00002 | .01034 |
| %RSD   | 12.528   | 160.85  | .75853  | 200.27  | 8.6412  | .55925  | 1.7386 | 1.8051 |
| #1     | -.00409  | -.00004 | 1180.0  | -.00007 | .00080  | 54.575  | .00138 | .56539 |
| #2     | -.00488  | .00063  | 1167.4  | .00039  | .00090  | 55.008  | .00134 | .58001 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 133.15 | 2.4384  | -.05054 | .00036  | .01965  | .0573   | 1.1385 | 5.9580 |
| Stddev | .48      | .0010   | .00113  | .00144  | .00036  | .0020   | .0105  | .7604  |
| %RSD   | .35823   | .04022  | 2.2436  | 401.06  | 1.8446  | 3.441   | .91851 | 12.762 |
| #1     | 132.81   | 2.4377  | -.05134 | -.00066 | .01990  | .0587   | 1.1311 | 5.4203 |
| #2     | 133.48   | 2.4391  | -.04974 | .00138  | .01939  | .0559   | 1.1459 | 6.4957 |

Sample Name: J6078-15      Acquired: 11/30/2018 21:51:47      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.3700 |
| Stddev | .1646  |
| %RSD   | 3.0650 |

|    |        |
|----|--------|
| #1 | 5.2536 |
| #2 | 5.4863 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3656.4 | 44875. | 3823.0 | 73.503 | 3477.7 |
| Stddev    | 7.6    | 2672.  | 14.2   | .648   | 3.9    |
| %RSD      | .20719 | 5.9538 | .37038 | .88182 | .11335 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3661.8 | 46765. | 3833.0 | 73.961 | 3480.5 |
| #2 | 3651.1 | 42986. | 3812.9 | 73.044 | 3474.9 |

Sample Name: J6078-16      Acquired: 11/30/2018 21:55:56      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00083 | -.00046 | .00311 | .00485 | -.00384 | -.02543 | .02620 | .00006 |
| Stddev | .00148 | .00010  | .00044 | .00192 | .00054  | .00475  | .00165 | .00001 |
| %RSD   | 178.08 | 21.699  | 14.225 | 39.544 | 14.159  | 18.686  | 6.3053 | 18.743 |

|    |         |         |        |        |         |         |        |        |
|----|---------|---------|--------|--------|---------|---------|--------|--------|
| #1 | -.00022 | -.00053 | .00343 | .00350 | -.00423 | -.02879 | .02737 | .00007 |
| #2 | .00188  | -.00039 | .00280 | .00621 | -.00346 | -.02207 | .02503 | .00006 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00012 | 72.075 | -.00106 | -.00048 | .00078 | -.00813 | .00320 | 153.41 |
| Stddev | .00000  | 3.058  | .00008  | .00021  | .00046 | .00628  | .00001 | 6.93   |
| %RSD   | 3.5756  | 4.2421 | 7.9592  | 43.741  | 59.927 | 77.217  | .28641 | 4.5194 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00013 | 74.237 | -.00112 | -.00062 | .00045 | -.00369 | .00321 | 158.31 |
| #2 | -.00012 | 69.913 | -.00100 | -.00033 | .00110 | -.01257 | .00320 | 148.51 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00404 | .00019 | 1030.8 | .00085 | .00031 | 48.793 | .00130 | .49824 |
| Stddev | .00039  | .00010 | 26.7   | .00003 | .00019 | 1.964  | .00039 | .01477 |
| %RSD   | 9.6091  | 50.806 | 2.5940 | 2.9738 | 60.199 | 4.0259 | 30.052 | 2.9648 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00376 | .00012 | 1049.7 | .00087 | .00044 | 50.182 | .00102 | .50869 |
| #2 | -.00431 | .00026 | 1011.9 | .00083 | .00018 | 47.404 | .00157 | .48780 |

|        |          |        |         |         |        |        |        |        |
|--------|----------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 112.79 | 2.5616 | -.04363 | -.00013 | .01735 | .0534  | 1.0278 | 5.5702 |
| Stddev | .01      | .0936  | .00030  | .00063  | .00054 | .0024  | .0412  | .0046  |
| %RSD   | .01001   | 3.6531 | .69811  | 482.12  | 3.1255 | 4.538  | 4.0126 | .08190 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 112.78 | 2.6277 | -.04385 | .00032  | .01774 | .0551 | 1.0570 | 5.5669 |
| #2 | 112.80 | 2.4954 | -.04341 | -.00058 | .01697 | .0517 | .99864 | 5.5734 |



Sample Name: J6078-16      Acquired: 11/30/2018 21:55:56      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.9488 |
| Stddev | .7189  |
| %RSD   | 14.527 |

|    |        |
|----|--------|
| #1 | 5.4572 |
| #2 | 4.4405 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3699.0 | 46560. | 3689.4 | 72.794 | 3549.7 |
| Stddev    | 8.9    | 50.    | 145.6  | 4.542  | 4.2    |
| %RSD      | .23933 | .10680 | 3.9467 | 6.2391 | .11929 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3705.3 | 46596. | 3586.4 | 69.583 | 3552.7 |
| #2 | 3692.8 | 46525. | 3792.3 | 76.006 | 3546.7 |

Sample Name: CCV11      Acquired: 11/30/2018 22:00:04      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0237 | 4.8403 | 4.8523 | 4.8918 | 5.0527 | 10.015 | 10.039 | .24911 |
| Stddev | .0088  | .0075  | .0033  | .0167  | .0147  | .060   | .040   | .00030 |
| %RSD   | .17456 | .15443 | .06742 | .34228 | .29067 | .60309 | .39642 | .12173 |
| #1     | 5.0299 | 4.8351 | 4.8500 | 4.9036 | 5.0631 | 9.9718 | 10.011 | .24932 |
| #2     | 5.0175 | 4.8456 | 4.8546 | 4.8799 | 5.0423 | 10.057 | 10.067 | .24889 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4206 | 25.903 | 1.0348 | 2.4484 | 1.2417 | 4.7662 | 2.5357 | 24.313 |
| Stddev | .0013  | .251   | .0040  | .0007  | .0040  | .0487  | .0010  | .332   |
| %RSD   | .05325 | .97070 | .39186 | .03012 | .32112 | 1.0222 | .03732 | 1.3654 |
| #1     | 2.4215 | 25.725 | 1.0319 | 2.4489 | 1.2445 | 4.7318 | 2.5350 | 24.078 |
| #2     | 2.4197 | 26.081 | 1.0377 | 2.4479 | 1.2389 | 4.8007 | 2.5363 | 24.547 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3905 | 1.1983 | 25.019 | 2.4061 | 2.5564 | 24.365 | 4.8628 | 4.8863 |
| Stddev | .0042  | .0001  | .104   | .0009  | .0279  | .102   | .0125  | .0388  |
| %RSD   | .17446 | .00381 | .41376 | .03843 | 1.0919 | .41874 | .25786 | .79474 |
| #1     | 2.3934 | 1.1983 | 24.946 | 2.4067 | 2.5367 | 24.293 | 4.8716 | 4.8589 |
| #2     | 2.3875 | 1.1982 | 25.092 | 2.4054 | 2.5762 | 24.437 | 4.8539 | 4.9138 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6469 | 4.8681 | 4.7136 | 4.8944 | 5.0052 | 4.788  | 5.2122 | 4.8144 |
| Stddev | .0277  | .0319  | .0012  | .0100  | .0316  | .003   | .0438  | .0204  |
| %RSD   | .59624 | .65634 | .02574 | .20480 | .63193 | .0603  | .84057 | .42372 |
| #1     | 4.6665 | 4.8455 | 4.7145 | 4.8874 | 4.9828 | 4.790  | 5.1812 | 4.8000 |
| #2     | 4.6273 | 4.8907 | 4.7128 | 4.9015 | 5.0276 | 4.786  | 5.2432 | 4.8289 |

Sample Name: CCV11      Acquired: 11/30/2018 22:00:04      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.7724  
Stddev      .1848  
%RSD      6.6668

#1      2.6417  
#2      2.9031

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3922.3 | 50924. | 3701.1 | 71.246 | 3944.7 |
| Stddev    | 8.6    | 46.    | 12.1   | .773   | 2.4    |
| %RSD      | .22018 | .09006 | .32630 | 1.0856 | .06185 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3916.2 | 50891. | 3709.7 | 71.793 | 3943.0 |
| #2 | 3928.4 | 50956. | 3692.6 | 70.699 | 3946.5 |

Sample Name: CCB11      Acquired: 11/30/2018 22:03:49      Type: Unk  
Method: P4-ICP2(v2618)      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 | .00069 | .00261 | .00213 | -.00053 | -.00011 | .00463 |
| Stddev | .00101 | .00086 | .00072 | .00039 | .00005  | .00975  | .00019 |
| %RSD   | 391.31 | 125.25 | 27.541 | 18.401 | 9.9530  | 9103.0  | 4.1481 |

|    |         |        |        |        |         |         |        |
|----|---------|--------|--------|--------|---------|---------|--------|
| #1 | -.00046 | .00008 | .00210 | .00240 | -.00057 | .00679  | .00477 |
| #2 | .00098  | .00129 | .00312 | .00185 | -.00049 | -.00700 | .00449 |

|        |        |        |         |         |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00002 | .00003 | -.01226 | -.00066 | .00001 | .00011 | .00365 |
| Stddev | .00001 | .00003 | .01532  | .00009  | .00001 | .00003 | .00943 |
| %RSD   | 64.612 | 87.362 | 124.98  | 14.051  | 91.747 | 27.362 | 258.52 |

|    |        |        |         |         |        |        |         |
|----|--------|--------|---------|---------|--------|--------|---------|
| #1 | .00002 | .00005 | -.02309 | -.00060 | .00002 | .00009 | -.00302 |
| #2 | .00001 | .00001 | -.00142 | -.00073 | .00000 | .00014 | .01031  |

|        |        |         |         |        |        |         |         |
|--------|--------|---------|---------|--------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00023 | -.05678 | -.00121 | .00007 | .43639 | -.00010 | -.00050 |
| Stddev | .00001 | .02594  | .00021  | .00004 | .03689 | .00011  | .00008  |
| %RSD   | 4.7007 | 45.681  | 17.534  | 47.036 | 8.4529 | 116.23  | 16.964  |

|    |        |         |         |        |        |         |         |
|----|--------|---------|---------|--------|--------|---------|---------|
| #1 | .00023 | -.03844 | -.00106 | .00010 | .46247 | -.00002 | -.00044 |
| #2 | .00024 | -.07513 | -.00136 | .00005 | .41030 | -.00017 | -.00056 |

|        |        |        |         |           |        |         |        |
|--------|--------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .05929 | .00068 | -.01030 | F -.13521 | .00337 | -.00108 | .00235 |
| Stddev | .00789 | .00019 | .01564  | .00098    | .00056 | .00068  | .00376 |
| %RSD   | 13.316 | 27.896 | 151.81  | .72419    | 16.536 | 63.223  | 160.18 |

|    |        |        |         |         |        |         |         |
|----|--------|--------|---------|---------|--------|---------|---------|
| #1 | .05371 | .00081 | .00076  | -.13452 | .00298 | -.00059 | .00500  |
| #2 | .06487 | .00054 | -.02136 | -.13590 | .00376 | -.00156 | -.00031 |

Sample Name: CCB11      Acquired: 11/30/2018 22:03:49      Type: Unk  
 Method: P4-ICP2(v2618)      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    | -.00077 | -.0027 | -.00000 | F 3.6042 | F .14061 |
| Stddev | .00183  | .0007  | .00008  | .0617    | .42542   |
| %RSD   | 238.19  | 24.78  | 1599.4  | 1.7130   | 302.55   |

|    |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|
| #1 | .00052  | -.0022 | .00005  | 3.5605 | .44143  |
| #2 | -.00206 | -.0031 | -.00006 | 3.6478 | -.16020 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4107.4 | 53724. | 3759.1 | 75.202 | 4507.5 |
| Stddev    | .5     | 97.    | 38.6   | .039   | 4.6    |
| %RSD      | .01250 | .18088 | 1.0273 | .05129 | .10269 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4107.7 | 53655. | 3731.8 | 75.230 | 4504.2 |
| #2 | 4107.0 | 53793. | 3786.4 | 75.175 | 4510.8 |

Sample Name: J6078-17      Acquired: 11/30/2018 22:07:55      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00337   | -.00204 | .00244  | .00236  | -.00311 | -.04155 | .02485 | .00009 |
| Stddev | .00254   | .00006  | .00142  | .00089  | .00122  | .00188  | .00016 | .00002 |
| %RSD   | 75.478   | 3.0591  | 58.102  | 37.778  | 39.397  | 4.5160  | .64582 | 22.637 |
| #1     | .00517   | -.00209 | .00344  | .00299  | -.00397 | -.04022 | .02497 | .00008 |
| #2     | .00157   | -.00200 | .00144  | .00173  | -.00224 | -.04287 | .02474 | .00011 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00016  | 69.999  | -.00125 | -.00052 | .00098  | .00291  | .00301 | 147.00 |
| Stddev | .00001   | .100    | .00030  | .00006  | .00009  | .00484  | .00006 | .15    |
| %RSD   | 6.6532   | .14272  | 23.777  | 11.598  | 9.0576  | 166.15  | 2.0962 | .10312 |
| #1     | -.00017  | 69.928  | -.00104 | -.00056 | .00092  | .00633  | .00305 | 147.10 |
| #2     | -.00015  | 70.069  | -.00145 | -.00048 | .00104  | -.00051 | .00296 | 146.89 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00401  | -.00005 | 1054.8  | .00102  | -.00002 | 46.907  | .00095 | .46567 |
| Stddev | .00013   | .00002  | .8      | .00018  | .00001  | .111    | .00012 | .00052 |
| %RSD   | 3.1751   | 45.065  | .07346  | 18.124  | 36.247  | .23609  | 13.184 | .11234 |
| #1     | -.00392  | -.00003 | 1054.3  | .00089  | -.00002 | 46.829  | .00103 | .46604 |
| #2     | -.00410  | -.00006 | 1055.4  | .00115  | -.00001 | 46.986  | .00086 | .46530 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 110.34 | 2.4923  | -.04304 | .00024  | .01494  | .0519   | .99135 | 5.4828 |
| Stddev | 1.58     | .0208   | .00177  | .00241  | .00059  | .0009   | .00011 | .0592  |
| %RSD   | 1.4333   | .83526  | 4.1221  | 1005.8  | 3.9474  | 1.777   | .01132 | 1.0793 |
| #1     | 109.22   | 2.4775  | -.04178 | .00195  | .01536  | .0526   | .99143 | 5.5246 |
| #2     | 111.45   | 2.5070  | -.04429 | -.00147 | .01453  | .0513   | .99127 | 5.4409 |

Sample Name: J6078-17      Acquired: 11/30/2018 22:07:55      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.0364 |
| Stddev | .2697  |
| %RSD   | 5.3545 |

|    |        |
|----|--------|
| #1 | 4.8457 |
| #2 | 5.2271 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3753.8 | 46900. | 3762.1 | 73.262 | 3591.5 |
| Stddev    | 48.0   | 155.   | 19.9   | 2.580  | 44.0   |
| %RSD      | 1.2793 | .32980 | .52928 | 3.5213 | 1.2249 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3787.8 | 46791. | 3776.2 | 75.087 | 3622.6 |
| #2 | 3719.9 | 47010. | 3748.0 | 71.438 | 3560.4 |

Sample Name: J6078-18      Acquired: 11/30/2018 22:12:03      Type: Unk  
Method: P4-ICP2(v2618)      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 .00384 | k -.00097 | k .00344 | k .00482 | k -.00289 | s -.05509 | .02425 |
| Stddev | .00107   | .00166    | .00007   | .00408   | .00015    | .00488    | .00163 |
| %RSD   | 27.946   | 172.19    | 2.0763   | 84.748   | 5.2549    | 8.8634    | 6.7262 |

|    |          |          |          |          |           |           |        |
|----|----------|----------|----------|----------|-----------|-----------|--------|
| #1 | .00308   | -.00214  | .00339   | .00771   | -.00278   | -.05854   | .02541 |
| #2 | k .00460 | k .00021 | k .00349 | k .00193 | k -.00300 | s -.05164 | .02310 |

|        |          |           |        |           |           |          |           |
|--------|----------|-----------|--------|-----------|-----------|----------|-----------|
| Elem   | Be2348   | Cd2265    | Ca3736 | Cr2677    | Co2286    | Cu2247   | Fe2404    |
| Units  | ppm      | ppm       | ppm    | ppm       | ppm       | ppm      | ppm       |
| Avg    | s .00002 | k -.00012 | 80.190 | s -.00135 | k -.00015 | k .00100 | k -.00387 |
| Stddev | .00008   | .00012    | 4.523  | .00032    | .00014    | .00012   | .00497    |
| %RSD   | 520.36   | 95.841    | 5.6397 | 23.615    | 94.741    | 11.595   | 128.14    |

|    |          |           |        |           |           |          |           |
|----|----------|-----------|--------|-----------|-----------|----------|-----------|
| #1 | -.00004  | -.00021   | 83.388 | -.00157   | -.00025   | .00109   | -.00036   |
| #2 | s .00007 | k -.00004 | 76.992 | s -.00112 | k -.00005 | k .00092 | k -.00739 |

|        |          |        |           |           |        |          |          |
|--------|----------|--------|-----------|-----------|--------|----------|----------|
| Elem   | Mn2576   | Mg2790 | Ni2316    | Ag3280    | Na5895 | V_2924   | Zn2138   |
| Units  | ppm      | ppm    | ppm       | ppm       | ppm    | ppm      | ppm      |
| Avg    | s .00258 | 180.69 | k -.00458 | s -.00028 | 1231.9 | s .00018 | k .00027 |
| Stddev | .00182   | 11.22  | .00041    | .00015    | 61.4   | .00046   | .00009   |
| %RSD   | 70.480   | 6.2085 | 8.9061    | 53.747    | 4.9851 | 256.86   | 32.748   |

|    |          |        |           |           |        |          |          |
|----|----------|--------|-----------|-----------|--------|----------|----------|
| #1 | .00387   | 188.62 | -.00429   | -.00017   | 1275.3 | -.00015  | .00034   |
| #2 | s .00130 | 172.75 | k -.00487 | s -.00038 | 1188.5 | s .00051 | k .00021 |

|        |        |        |          |           |          |           |          |
|--------|--------|--------|----------|-----------|----------|-----------|----------|
| Elem   | K_7664 | Mo2020 | B_2496   | S_1820    | Si2881   | Sn1899    | Ti3361   |
| Units  | ppm    | ppm    | ppm      | ppm       | ppm      | ppm       | ppm      |
| Avg    | 58.557 | .00124 | k .58883 | kF 139.45 | k 2.4301 | k -.02603 | k .00060 |
| Stddev | 3.180  | .00008 | .02550   | .67       | .1312    | .03871    | .00092   |
| %RSD   | 5.4298 | 6.7092 | 4.3298   | .47707    | 5.3989   | 148.70    | 152.67   |

|    |        |        |          |          |          |          |           |
|----|--------|--------|----------|----------|----------|----------|-----------|
| #1 | 60.806 | .00118 | .60686   | 138.98   | 2.5228   | -.05340  | .00126    |
| #2 | 56.309 | .00130 | k .57080 | k 139.92 | k 2.3373 | k .00134 | k -.00005 |



Sample Name: J6078-18      Acquired: 11/30/2018 22:12:03      Type: Unk  
Method: P4-ICP2(v2618)      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    | .02242 | k .0576 | k 1.2009 | 5.5888 | 5.0863 |
| Stddev | .00454 | .0020   | .0690    | .4510  | .2949  |
| %RSD   | 20.244 | 3.526   | 5.7468   | 8.0702 | 5.7974 |

|    |        |         |          |        |        |
|----|--------|---------|----------|--------|--------|
| #1 | .02563 | .0591   | 1.2497   | 5.9077 | 5.2948 |
| #2 | .01921 | k .0562 | k 1.1521 | 5.2699 | 4.8778 |

|           |        |         |        |        |        |
|-----------|--------|---------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3662.5 | ^ ***** | 3760.1 | 72.429 | 3474.4 |
| Stddev    | 19.4   | -----   | 191.0  | 2.852  | 29.4   |
| %RSD      | .52920 | -----   | 5.0791 | 3.9376 | .84483 |

|    |        |         |        |        |        |
|----|--------|---------|--------|--------|--------|
| #1 | 3676.2 | 45516.  | 3625.1 | 70.412 | 3495.2 |
| #2 | 3648.8 | ^ ----- | 3895.2 | 74.446 | 3453.7 |

Sample Name: J6078-19      Acquired: 11/30/2018 22:16:11      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00223   | -.00186 | .00209  | .00234  | -.00467 | -.06947 | .02736 | .00006 |
| Stddev | .00141   | .00092  | .00042  | .00064  | .00165  | .00130  | .00108 | .00004 |
| %RSD   | 63.356   | 49.463  | 19.894  | 27.326  | 35.260  | 1.8779  | 3.9592 | 67.109 |
| #1     | .00323   | -.00121 | .00238  | .00189  | -.00584 | -.07039 | .02813 | .00009 |
| #2     | .00123   | -.00251 | .00179  | .00280  | -.00351 | -.06855 | .02659 | .00003 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00025  | 84.331  | -.00117 | -.00065 | .00069  | -.01004 | .00405 | 194.16 |
| Stddev | .00002   | 2.181   | .00051  | .00024  | .00005  | .02014  | .00011 | 5.90   |
| %RSD   | 6.2722   | 2.5867  | 43.408  | 36.633  | 6.9555  | 200.56  | 2.7070 | 3.0411 |
| #1     | -.00023  | 85.874  | -.00152 | -.00048 | .00066  | -.02428 | .00413 | 198.34 |
| #2     | -.00026  | 82.789  | -.00081 | -.00082 | .00073  | .00420  | .00397 | 189.99 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00491  | -.00036 | 1272.0  | .00060  | .00014  | 62.264  | .00144 | .63314 |
| Stddev | .00015   | .00063  | 31.5    | .00031  | .00000  | 1.668   | .00014 | .02975 |
| %RSD   | 3.0853   | 175.75  | 2.4740  | 51.648  | .53573  | 2.6781  | 9.6472 | 4.6982 |
| #1     | -.00480  | .00009  | 1294.2  | .00038  | .00014  | 63.443  | .00154 | .65417 |
| #2     | -.00501  | -.00080 | 1249.7  | .00082  | .00014  | 61.085  | .00134 | .61211 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 148.52 | 2.5091  | -.05645 | -.00145 | .02368  | .0586   | 1.2743 | 5.9149 |
| Stddev | 2.10     | .0769   | .00011  | .00227  | .00147  | .0008   | .0376  | .1034  |
| %RSD   | 1.4168   | 3.0664  | .19327  | 155.90  | 6.2245  | 1.323   | 2.9483 | 1.7483 |
| #1     | 147.03   | 2.5635  | -.05652 | .00015  | .02472  | .0580   | 1.3009 | 5.8418 |
| #2     | 150.00   | 2.4547  | -.05637 | -.00306 | .02264  | .0591   | 1.2477 | 5.9880 |

Sample Name: J6078-19      Acquired: 11/30/2018 22:16:11      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.1867 |
| Stddev | .0883  |
| %RSD   | 1.7031 |

|    |        |
|----|--------|
| #1 | 5.1242 |
| #2 | 5.2491 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3524.4 | 45043. | 3628.8 | 71.658 | 3331.9 |
| Stddev    | 31.9   | 121.   | 88.6   | 2.133  | 34.0   |
| %RSD      | .90441 | .26891 | 2.4412 | 2.9766 | 1.0191 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3546.9 | 45129. | 3566.2 | 70.150 | 3355.9 |
| #2 | 3501.9 | 44957. | 3691.5 | 73.166 | 3307.9 |

Sample Name: J6078-20      Acquired: 11/30/2018 22:20:19      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00396 | -.00171 | .00238 | .00110 | -.00518 | -.04085 | .02783 | .00009 |
| Stddev | .00271 | .00006  | .00078 | .00283 | .00033  | .00126  | .00105 | .00003 |
| %RSD   | 68.466 | 3.2210  | 32.744 | 257.04 | 6.3752  | 3.0808  | 3.7664 | 39.777 |

|    |        |         |        |         |         |         |        |        |
|----|--------|---------|--------|---------|---------|---------|--------|--------|
| #1 | .00204 | -.00175 | .00183 | .00310  | -.00494 | -.03996 | .02709 | .00006 |
| #2 | .00588 | -.00167 | .00293 | -.00090 | -.00541 | -.04174 | .02858 | .00011 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00016 | 78.044 | -.00131 | -.00029 | .00106 | .00543 | .00411 | 170.38 |
| Stddev | .00002  | 1.037  | .00018  | .00027  | .00041 | .00895 | .00023 | 1.31   |
| %RSD   | 15.411  | 1.3281 | 13.978  | 95.675  | 39.064 | 164.72 | 5.6516 | .76606 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00018 | 77.311 | -.00144 | -.00009 | .00135 | .01176  | .00395 | 169.45 |
| #2 | -.00014 | 78.777 | -.00118 | -.00048 | .00077 | -.00089 | .00428 | 171.30 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00458 | -.00013 | 1146.9 | .00094 | .00195 | 54.797 | .00118 | .56794 |
| Stddev | .00007  | .00015  | 20.4   | .00012 | .00002 | .925   | .00018 | .01100 |
| %RSD   | 1.5405  | 114.20  | 1.7745 | 12.539 | 1.0094 | 1.6882 | 15.433 | 1.9375 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00453 | -.00003 | 1132.6 | .00086 | .00196 | 54.143 | .00130 | .56016 |
| #2 | -.00463 | -.00024 | 1161.3 | .00102 | .00194 | 55.451 | .00105 | .57573 |

|        |          |        |         |        |        |        |        |        |
|--------|----------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 127.71 | 2.5585 | -.04891 | .00167 | .01904 | .0558  | 1.1385 | 5.6131 |
| Stddev | 3.25     | .0753  | .00004  | .00032 | .00060 | .0005  | .0143  | .7021  |
| %RSD   | 2.5485   | 2.9447 | .07471  | 19.126 | 3.1656 | .9230  | 1.2537 | 12.508 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 125.41 | 2.5052 | -.04889 | .00190 | .01862 | .0555 | 1.1284 | 5.1167 |
| #2 | 130.02 | 2.6118 | -.04894 | .00145 | .01947 | .0562 | 1.1486 | 6.1096 |

Sample Name: J6078-20      Acquired: 11/30/2018 22:20:19      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.5608 |
| Stddev | .0169  |
| %RSD   | .30293 |

|    |        |
|----|--------|
| #1 | 5.5727 |
| #2 | 5.5489 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3602.8 | 46038. | 3594.0 | 71.117 | 3440.2 |
| Stddev    | 77.2   | 2189.  | 64.8   | .315   | 63.7   |
| %RSD      | 2.1441 | 4.7555 | 1.8036 | .44282 | 1.8513 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3657.5 | 47586. | 3639.8 | 70.895 | 3485.2 |
| #2 | 3548.2 | 44490. | 3548.2 | 71.340 | 3395.1 |

Sample Name: J6128-02      Acquired: 11/30/2018 22:24:27      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00155   | -.00119 | .00006  | .00147  | -.00324 | -.00802 | .02013 | .00006 |
| Stddev | .00044   | .00130  | .00039  | .00041  | .00107  | .01432  | .00034 | .00003 |
| %RSD   | 28.057   | 109.20  | 626.82  | 27.954  | 33.012  | 178.44  | 1.6958 | 43.213 |
| #1     | .00186   | -.00211 | .00034  | .00118  | -.00249 | .00210  | .02037 | .00008 |
| #2     | .00125   | -.00027 | -.00021 | .00177  | -.00400 | -.01815 | .01989 | .00004 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00010  | 35.883  | -.00027 | -.00028 | .00074  | .02006  | .00200 | 37.356 |
| Stddev | .00015   | .347    | .00003  | .00001  | .00030  | .01159  | .00001 | .433   |
| %RSD   | 144.74   | .96707  | 12.849  | 2.6963  | 41.177  | 57.774  | .31555 | 1.1591 |
| #1     | .00000   | 35.637  | -.00025 | -.00027 | .00095  | .02825  | .00199 | 37.050 |
| #2     | -.00020  | 36.128  | -.00030 | -.00028 | .00052  | .01186  | .00200 | 37.662 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00269  | -.00013 | 273.55  | .00018  | -.00062 | 11.822  | .00045 | .09712 |
| Stddev | .00028   | .00002  | 1.05    | .00013  | .00011  | .198    | .00018 | .00910 |
| %RSD   | 10.410   | 11.816  | .38330  | 74.353  | 17.497  | 1.6760  | 39.620 | 9.3743 |
| #1     | -.00289  | -.00014 | 272.81  | .00027  | -.00054 | 11.682  | .00057 | .09069 |
| #2     | -.00249  | -.00012 | 274.29  | .00008  | -.00069 | 11.962  | .00032 | .10356 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 26.251 | 2.7924  | -.01097 | .00169  | -.00048 | .0351   | .31575 | 4.6343 |
| Stddev | .128     | .0127   | .00022  | .00111  | .00068  | .0004   | .00144 | .0405  |
| %RSD   | .48651   | .45532  | 2.0003  | 65.653  | 141.49  | 1.003   | .45658 | .87402 |
| #1     | 26.341   | 2.7834  | -.01112 | .00248  | .00000  | .0349   | .31677 | 4.6630 |
| #2     | 26.161   | 2.8014  | -.01081 | .00091  | -.00096 | .0353   | .31473 | 4.6057 |

Sample Name: J6128-02      Acquired: 11/30/2018 22:24:27      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.2486 |
| Stddev | .3359  |
| %RSD   | 10.340 |

|    |        |
|----|--------|
| #1 | 3.0111 |
| #2 | 3.4861 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3997.5 | 50143. | 3933.4 | 77.818 | 4013.5 |
| Stddev    | 30.0   | 209.   | 35.9   | .826   | 26.5   |
| %RSD      | .74930 | .41601 | .91380 | 1.0613 | .66102 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3976.3 | 49995. | 3958.9 | 78.402 | 3994.7 |
| #2 | 4018.7 | 50290. | 3908.0 | 77.234 | 4032.3 |

Sample Name: J6128-03      Acquired: 11/30/2018 22:28:35      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00116   | -.00124 | .00076  | -.00082 | -.00390 | -.00784 | .02042 | .00006 |
| Stddev | .00237   | .00103  | .00183  | .00114  | .00249  | .00241  | .00317 | .00007 |
| %RSD   | 204.49   | 83.127  | 241.66  | 138.75  | 63.940  | 30.781  | 15.543 | 121.90 |
| #1     | -.00052  | -.00051 | -.00054 | -.00162 | -.00566 | -.00613 | .01818 | .00001 |
| #2     | .00284   | -.00197 | .00205  | -.00002 | -.00214 | -.00955 | .02267 | .00011 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00014  | 35.046  | -.00056 | -.00002 | .00135  | .02487  | .00182 | 36.457 |
| Stddev | .00000   | 2.940   | .00007  | .00016  | .00048  | .01632  | .00003 | 3.198  |
| %RSD   | .24863   | 8.3894  | 11.723  | 640.42  | 35.153  | 65.624  | 1.4868 | 8.7718 |
| #1     | -.00014  | 32.967  | -.00061 | .00009  | .00169  | .03641  | .00180 | 34.196 |
| #2     | -.00014  | 37.125  | -.00052 | -.00014 | .00102  | .01333  | .00184 | 38.719 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00233  | .00015  | 271.19  | .00028  | -.00048 | 11.465  | .00040 | .09774 |
| Stddev | .00040   | .00060  | 24.94   | .00013  | .00001  | .992    | .00055 | .01837 |
| %RSD   | 17.255   | 410.32  | 9.1976  | 47.723  | 1.3611  | 8.6519  | 136.47 | 18.794 |
| #1     | -.00205  | .00057  | 253.55  | .00018  | -.00048 | 10.764  | .00079 | .08475 |
| #2     | -.00262  | -.00028 | 288.83  | .00037  | -.00049 | 12.166  | .00001 | .11073 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 25.691 | 2.7563  | -.01093 | .00213  | -.00387 | .0346   | .30813 | 4.2886 |
| Stddev | .388     | .1999   | .00010  | .00113  | .00049  | .0003   | .02651 | .3498  |
| %RSD   | 1.5097   | 7.2518  | .88390  | 53.380  | 12.786  | .8360   | 8.6028 | 8.1557 |
| #1     | 25.417   | 2.6150  | -.01086 | .00293  | -.00422 | .0344   | .28939 | 4.0413 |
| #2     | 25.965   | 2.8977  | -.01099 | .00132  | -.00352 | .0348   | .32688 | 4.5359 |



Sample Name: J6128-03      Acquired: 11/30/2018 22:28:35      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.6324 |
| Stddev | .3883  |
| %RSD   | 10.690 |

|    |        |
|----|--------|
| #1 | 3.3578 |
| #2 | 3.9069 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4066.9 | 50995. | 3977.5 | 78.506 | 4080.3 |
| Stddev    | 28.4   | 993.   | 291.3  | 5.284  | 47.3   |
| %RSD      | .69925 | 1.9472 | 7.3232 | 6.7302 | 1.1580 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4087.1 | 51697. | 4183.4 | 82.242 | 4113.7 |
| #2 | 4046.8 | 50293. | 3771.5 | 74.770 | 4046.9 |

Sample Name: J6128-04      Acquired: 11/30/2018 22:32:43      Type: Unk  
Method: P4-ICP2(v2618)      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   | -.00096 | -.00105 | -.00198 | -.00304 | -.01288 | .02067  | .00012 |
| Stddev | .00114   | .00081  | .00057  | .00002  | .00085  | .00063  | .00174  | .00000 |
| %RSD   | 32.758   | 84.130  | 54.260  | .97599  | 28.002  | 4.8773  | 8.4022  | 2.1149 |
| #1     | .00428   | -.00154 | -.00065 | -.00200 | -.00364 | -.01332 | .01944  | .00012 |
| #2     | .00267   | -.00039 | -.00145 | -.00197 | -.00243 | -.01243 | .02189  | .00012 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00003  | 35.577  | -.00044 | -.00033 | .00104  | .01555  | .00185  | 36.682 |
| Stddev | .00009   | .090    | .00000  | .00020  | .00014  | .00040  | .00000  | .101   |
| %RSD   | 310.37   | .25297  | 1.0795  | 61.251  | 13.183  | 2.5704  | .04787  | .27500 |
| #1     | -.00009  | 35.513  | -.00044 | -.00047 | .00094  | .01527  | .00185  | 36.753 |
| #2     | .00003   | 35.640  | -.00044 | -.00019 | .00113  | .01583  | .00185  | 36.611 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00227  | .00039  | 271.32  | .00011  | -.00038 | 11.541  | -.00000 | .09891 |
| Stddev | .00028   | .00047  | 2.64    | .00013  | .00006  | .011    | .00006  | .00915 |
| %RSD   | 12.129   | 120.17  | .97149  | 111.53  | 14.817  | .09255  | 1957.6  | 9.2507 |
| #1     | -.00207  | .00072  | 273.18  | .00002  | -.00034 | 11.534  | .00004  | .09244 |
| #2     | -.00246  | .00006  | 269.45  | .00021  | -.00042 | 11.549  | -.00005 | .10538 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | F 25.286 | 2.7486  | -.01135 | .00157  | -.00294 | .0345   | .31398  | 4.0082 |
| Stddev | .169     | .0099   | .00065  | .00107  | .00111  | .0002   | .00337  | .0353  |
| %RSD   | .66748   | .36170  | 5.7292  | 68.255  | 37.794  | .7114   | 1.0728  | .87976 |
| #1     | 25.166   | 2.7416  | -.01089 | .00233  | -.00373 | .0347   | .31160  | 4.0332 |
| #2     | 25.405   | 2.7556  | -.01181 | .00081  | -.00216 | .0343   | .31636  | 3.9833 |

Sample Name: J6128-04      Acquired: 11/30/2018 22:32:43      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.6130  
Stddev      .0419  
%RSD      1.1592

#1      3.5834  
#2      3.6426

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4125.4 | 52729. | 3948.5 | 79.066 | 4136.5 |
| Stddev    | 22.9   | 211.   | 17.4   | 1.211  | 27.8   |
| %RSD      | .55495 | .40073 | .44026 | 1.5318 | .67103 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4141.6 | 52580. | 3960.8 | 78.210 | 4156.1 |
| #2 | 4109.3 | 52879. | 3936.2 | 79.923 | 4116.9 |

Sample Name: J6128-05      Acquired: 11/30/2018 22:36:51      Type: Unk  
Method: P4-ICP2(v2618)      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   | -.00159 | .00214  | .00025  | -.00241 | -.00751 | .01808 | .00013 |
| Stddev | .00124   | .00012  | .00142  | .00175  | .00017  | .00140  | .00490 | .00007 |
| %RSD   | 48.416   | 7.4821  | 66.519  | 688.46  | 7.2622  | 18.569  | 27.085 | 55.985 |
| #1     | .00169   | -.00151 | .00113  | -.00098 | -.00228 | -.00850 | .02155 | .00008 |
| #2     | .00344   | -.00168 | .00314  | .00149  | -.00253 | -.00653 | .01462 | .00018 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00011  | 34.370  | -.00031 | -.00052 | .00086  | .01012  | .00167 | 38.874 |
| Stddev | .00003   | 4.776   | .00047  | .00005  | .00006  | .00074  | .00001 | 5.273  |
| %RSD   | 25.239   | 13.895  | 151.45  | 9.4178  | 6.7375  | 7.2604  | .66010 | 13.565 |
| #1     | -.00013  | 37.747  | -.00064 | -.00049 | .00082  | .01064  | .00167 | 42.603 |
| #2     | -.00009  | 30.993  | .00002  | -.00056 | .00090  | .00960  | .00166 | 35.145 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00232  | .00007  | 294.65  | .00058  | -.00065 | 12.370  | .00046 | .12156 |
| Stddev | .00018   | .00014  | 34.33   | .00013  | .00024  | 1.575   | .00013 | .02218 |
| %RSD   | 7.8509   | 217.37  | 11.652  | 21.917  | 36.889  | 12.736  | 27.905 | 18.249 |
| #1     | -.00245  | -.00004 | 318.93  | .00067  | -.00048 | 13.484  | .00055 | .13725 |
| #2     | -.00219  | .00017  | 270.38  | .00049  | -.00082 | 11.256  | .00037 | .10587 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 29.808 | 2.5235  | -.01292 | .00217  | -.00095 | .0357   | .31935 | 4.4212 |
| Stddev | .074     | .3333   | .00120  | .00351  | .00375  | .0008   | .04444 | .1615  |
| %RSD   | .24756   | 13.207  | 9.2997  | 161.37  | 395.84  | 2.257   | 13.917 | 3.6532 |
| #1     | 29.755   | 2.7591  | -.01377 | -.00031 | .00171  | .0351   | .35078 | 4.5354 |
| #2     | 29.860   | 2.2878  | -.01207 | .00465  | -.00360 | .0362   | .28792 | 4.3070 |

Sample Name: J6128-05      Acquired: 11/30/2018 22:36:51      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.1184  
Stddev      .5175  
%RSD      16.595

#1      3.4844  
#2      2.7525

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4064.7 | 51055. | 4310.3 | 85.409 | 4060.3 |
| Stddev    | 15.5   | 908.   | 516.0  | 11.481 | 5.2    |
| %RSD      | .38211 | 1.7783 | 11.971 | 13.442 | .12917 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4075.7 | 50413. | 3945.5 | 77.291 | 4064.0 |
| #2 | 4053.8 | 51697. | 4675.2 | 93.527 | 4056.6 |

Sample Name: J6128-06      Acquired: 11/30/2018 22:41:00      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00209   | -.00147 | .00152  | .00188  | -.00227 | -.00632 | .02215 | .00009 |
| Stddev | .00223   | .00025  | .00034  | .00091  | .00040  | .00444  | .00026 | .00006 |
| %RSD   | 106.44   | 16.788  | 22.048  | 48.204  | 17.741  | 70.249  | 1.1755 | 68.392 |
| #1     | .00367   | -.00129 | .00176  | .00124  | -.00199 | -.00946 | .02196 | .00013 |
| #2     | .00052   | -.00164 | .00128  | .00252  | -.00255 | -.00318 | .02233 | .00004 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00005  | 37.654  | -.00090 | -.00032 | .00148  | .02213  | .00173 | 42.919 |
| Stddev | .00004   | .168    | .00004  | .00004  | .00004  | .01144  | .00001 | .231   |
| %RSD   | 74.111   | .44550  | 3.9712  | 13.029  | 3.0233  | 51.714  | .83560 | .53827 |
| #1     | -.00002  | 37.773  | -.00092 | -.00035 | .00145  | .03022  | .00174 | 43.083 |
| #2     | -.00007  | 37.536  | -.00087 | -.00029 | .00152  | .01404  | .00172 | 42.756 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00229  | -.00038 | 318.64  | .00046  | -.00011 | 13.446  | .00021 | .12905 |
| Stddev | .00017   | .00067  | 5.12    | .00000  | .00010  | .004    | .00026 | .00375 |
| %RSD   | 7.2126   | 177.96  | 1.6064  | 1.0057  | 85.258  | .02784  | 125.52 | 2.9075 |
| #1     | -.00218  | .00010  | 322.26  | .00046  | -.00018 | 13.449  | .00002 | .13170 |
| #2     | -.00241  | -.00085 | 315.02  | .00046  | -.00004 | 13.444  | .00040 | .12639 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 29.964 | 2.7406  | -.01262 | .00259  | -.00157 | .0360   | .34653 | 4.1243 |
| Stddev | .267     | .0017   | .00061  | .00005  | .00083  | .0009   | .00093 | .1623  |
| %RSD   | .89174   | .06309  | 4.8643  | 2.0642  | 52.672  | 2.564   | .26733 | 3.9341 |
| #1     | 30.153   | 2.7394  | -.01306 | .00255  | -.00215 | .0367   | .34718 | 4.2390 |
| #2     | 29.775   | 2.7419  | -.01219 | .00263  | -.00098 | .0354   | .34587 | 4.0096 |

Sample Name: J6128-06      Acquired: 11/30/2018 22:41:00      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.7163  
Stddev      .5208  
%RSD      19.175

#1      2.3480  
#2      3.0846

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4049.8 | 51703. | 3929.2 | 78.392 | 4029.6 |
| Stddev    | 24.7   | 67.    | 21.5   | .225   | 21.7   |
| %RSD      | .60946 | .12873 | .54790 | .28683 | .53965 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4032.3 | 51656. | 3913.9 | 78.551 | 4014.2 |
| #2 | 4067.2 | 51750. | 3944.4 | 78.233 | 4044.9 |

Sample Name: J6128-07      Acquired: 11/30/2018 22:45:08      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00160   | -.00062 | .00192  | .00123  | -.00325 | -.01892 | .02355 | .00008 |
| Stddev | .00217   | .00177  | .00048  | .00240  | .00180  | .02440  | .00002 | .00004 |
| %RSD   | 135.92   | 286.47  | 25.114  | 194.67  | 55.318  | 128.97  | .10425 | 52.035 |
| #1     | .00313   | -.00187 | .00227  | .00293  | -.00452 | -.00167 | .02356 | .00012 |
| #2     | .00006   | .00063  | .00158  | -.00046 | -.00198 | -.03617 | .02353 | .00005 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00009  | 39.118  | -.00102 | -.00023 | .00116  | .01495  | .00167 | 46.371 |
| Stddev | .00001   | .283    | .00039  | .00001  | .00040  | .00577  | .00004 | 1.119  |
| %RSD   | 5.6760   | .72268  | 38.098  | 6.2305  | 34.384  | 38.616  | 2.6628 | 2.4138 |
| #1     | -.00009  | 39.318  | -.00130 | -.00022 | .00144  | .01087  | .00170 | 47.162 |
| #2     | -.00010  | 38.918  | -.00075 | -.00024 | .00088  | .01903  | .00164 | 45.580 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00272  | .00009  | 351.61  | .00026  | -.00037 | 14.568  | .00043 | .13219 |
| Stddev | .00060   | .00023  | 12.77   | .00070  | .00007  | .151    | .00050 | .00151 |
| %RSD   | 21.920   | 258.81  | 3.6320  | 266.94  | 20.121  | 1.0395  | 114.49 | 1.1459 |
| #1     | -.00314  | .00025  | 360.64  | -.00023 | -.00032 | 14.675  | .00008 | .13326 |
| #2     | -.00230  | -.00007 | 342.58  | .00076  | -.00042 | 14.461  | .00079 | .13111 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 31.998 | 2.7807  | -.01263 | .00130  | -.00166 | .0365   | .37046 | 4.2310 |
| Stddev | .105     | .0316   | .00073  | .00179  | .00104  | .0004   | .00241 | .0278  |
| %RSD   | .32672   | 1.1375  | 5.8116  | 137.23  | 62.531  | 1.180   | .65024 | .65657 |
| #1     | 31.924   | 2.8031  | -.01315 | .00004  | -.00239 | .0362   | .37217 | 4.2506 |
| #2     | 32.072   | 2.7583  | -.01211 | .00257  | -.00093 | .0368   | .36876 | 4.2113 |



Sample Name: J6128-07      Acquired: 11/30/2018 22:45:08      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.3978 |
| Stddev | .3073  |
| %RSD   | 9.0436 |

|    |        |
|----|--------|
| #1 | 3.1805 |
| #2 | 3.6151 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4011.8 | 51196. | 3837.8 | 75.974 | 3990.3 |
| Stddev    | 12.7   | 141.   | 11.4   | .534   | 9.0    |
| %RSD      | .31773 | .27493 | .29756 | .70242 | .22577 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4020.8 | 51096. | 3829.8 | 76.352 | 3996.6 |
| #2 | 4002.8 | 51295. | 3845.9 | 75.597 | 3983.9 |

Sample Name: CCV12      Acquired: 11/30/2018 22:49:17      Type: Unk  
Method: P4-ICP2(v2618)      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    | 4.9842 | 4.8459 | 4.8551 | 4.8789 | 4.9964 | 9.9774 | 9.9460 | .24866   |
| Stddev | .0184  | .0070  | .0018  | .0144  | .0182  | .0296  | .1249  | .00279   |
| %RSD   | .36997 | .14405 | .03797 | .29430 | .36407 | .29721 | 1.2560 | 1.1203   |
| #1     | 4.9973 | 4.8508 | 4.8538 | 4.8891 | 5.0092 | 9.9984 | 10.034 | .25063   |
| #2     | 4.9712 | 4.8409 | 4.8564 | 4.8688 | 4.9835 | 9.9565 | 9.8576 | .24669   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4250 | 25.996 | 1.0187 | 2.4468 | 1.2368 | 4.7579 | 2.5251 | 24.455   |
| Stddev | .0008  | .107   | .0128  | .0019  | .0063  | .1218  | .0184  | .063     |
| %RSD   | .03086 | .40981 | 1.2528 | .07595 | .50824 | 2.5598 | .72736 | .25725   |
| #1     | 2.4245 | 25.921 | 1.0277 | 2.4455 | 1.2413 | 4.6717 | 2.5381 | 24.411   |
| #2     | 2.4256 | 26.071 | 1.0096 | 2.4481 | 1.2324 | 4.8440 | 2.5121 | 24.500   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4021 | 1.2029 | 24.715 | 2.4120 | 2.5352 | 24.300 | 4.8828 | 4.9169   |
| Stddev | .0028  | .0027  | .345   | .0124  | .0184  | .237   | .0128  | .0279    |
| %RSD   | .11736 | .22110 | 1.3974 | .51229 | .72366 | .97478 | .26197 | .56703   |
| #1     | 2.4001 | 1.2048 | 24.959 | 2.4207 | 2.5222 | 24.468 | 4.8919 | 4.9366   |
| #2     | 2.4041 | 1.2010 | 24.470 | 2.4032 | 2.5482 | 24.133 | 4.8738 | 4.8971   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.6737 | 4.8569 | 4.7496 | 4.9059 | 4.9593 | 4.805  | 5.1557 | F 4.3880 |
| Stddev | .0081  | .0479  | .0064  | .0213  | .0607  | .011   | .0481  | .2911    |
| %RSD   | .17257 | .98567 | .13397 | .43326 | 1.2238 | .2242  | .93339 | 6.6345   |
| #1     | 4.6794 | 4.8907 | 4.7451 | 4.9210 | 5.0022 | 4.813  | 5.1897 | 4.5938   |
| #2     | 4.6680 | 4.8230 | 4.7541 | 4.8909 | 4.9164 | 4.797  | 5.1216 | 4.1821   |

Sample Name: CCV12      Acquired: 11/30/2018 22:49:17      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.7427  
Stddev      .7752  
%RSD      28.265

#1      3.2908  
#2      2.1945

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3965.7 | 51323. | 3708.6 | 71.895 | 3966.1 |
| Stddev    | 12.8   | 328.   | 36.5   | .594   | 2.7    |
| %RSD      | .32294 | .63821 | .98403 | .82642 | .06683 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3956.6 | 51092. | 3682.8 | 72.315 | 3964.2 |
| #2 | 3974.8 | 51555. | 3734.4 | 71.475 | 3968.0 |

Sample Name: CCB12      Acquired: 11/30/2018 22:53:02      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00185 | .00063 | F .00304 | .00160 | -.00014 | .00259 | .00500 |
| Stddev | .00122 | .00104 | .00076   | .00011 | .00036  | .01187 | .00067 |
| %RSD   | 65.859 | 165.59 | 24.977   | 6.6505 | 260.47  | 458.35 | 13.457 |

|    |        |         |        |        |         |         |        |
|----|--------|---------|--------|--------|---------|---------|--------|
| #1 | .00272 | .00136  | .00358 | .00167 | -.00040 | .01098  | .00547 |
| #2 | .00099 | -.00011 | .00250 | .00152 | .00012  | -.00580 | .00452 |

|        |        |        |         |         |         |        |         |
|--------|--------|--------|---------|---------|---------|--------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00001 | .00002 | -.00070 | -.00066 | -.00005 | .00039 | -.00264 |
| Stddev | .00011 | .00007 | .03116  | .00001  | .00024  | .00036 | .00450  |
| %RSD   | 1931.4 | 320.05 | 4480.5  | 1.3965  | 455.64  | 92.820 | 170.68  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00007 | -.00003 | .02134  | -.00065 | .00012  | .00013 | -.00582 |
| #2 | .00008  | .00007  | -.02273 | -.00066 | -.00022 | .00064 | .00055  |

|        |        |         |         |        |        |         |         |
|--------|--------|---------|---------|--------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00027 | -.04869 | -.00109 | .00006 | .37259 | -.00040 | -.00053 |
| Stddev | .00004 | .02110  | .00047  | .00043 | .01533 | .00017  | .00001  |
| %RSD   | 15.046 | 43.330  | 42.720  | 676.62 | 4.1140 | 42.319  | .99622  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00024 | -.03377 | -.00142 | -.00024 | .38343 | -.00028 | -.00053 |
| #2 | .00030 | -.06361 | -.00076 | .00037  | .36175 | -.00053 | -.00054 |

|        |        |        |         |           |        |         |        |
|--------|--------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .09222 | .00043 | -.01876 | F -.13550 | .00342 | -.00111 | .00205 |
| Stddev | .01455 | .00022 | .01009  | .00034    | .00018 | .00012  | .00011 |
| %RSD   | 15.778 | 50.234 | 53.777  | .25328    | 5.1584 | 11.025  | 5.3532 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .08193 | .00059 | -.01163 | -.13526 | .00329 | -.00102 | .00213 |
| #2 | .10251 | .00028 | -.02590 | -.13574 | .00354 | -.00120 | .00197 |

Sample Name: CCB12      Acquired: 11/30/2018 22:53:02      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00067 | -.0030 | -.00010 | F 3.4791 | F .74327 |
| Stddev | .00089 | .0014  | .00011  | .4837    | .39386   |
| %RSD   | 132.90 | 47.11  | 104.83  | 13.903   | 52.990   |

|    |        |        |         |        |        |
|----|--------|--------|---------|--------|--------|
| #1 | .00130 | -.0040 | -.00003 | 3.8211 | .46477 |
| #2 | .00004 | -.0020 | -.00018 | 3.1371 | 1.0218 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4163.7 | 54250. | 3718.7 | 74.150 | 4570.7 |
| Stddev    | 64.2   | 1268.  | 23.6   | 1.250  | 81.8   |
| %RSD      | 1.5430 | 2.3375 | .63492 | 1.6862 | 1.7903 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4118.3 | 53353. | 3735.4 | 75.034 | 4512.9 |
| #2 | 4209.2 | 55147. | 3702.0 | 73.266 | 4628.6 |

Sample Name: J6128-08      Acquired: 11/30/2018 22:57:08      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00496   | -.00066 | .00149  | .00323  | -.00295 | -.02500 | .02184 | .00004 |
| Stddev | .00179   | .00034  | .00150  | .00202  | .00067  | .00300  | .00164 | .00006 |
| %RSD   | 36.216   | 52.094  | 100.41  | 62.689  | 22.623  | 11.982  | 7.5287 | 133.82 |
| #1     | .00622   | -.00090 | .00043  | .00466  | -.00342 | -.02712 | .02300 | .00009 |
| #2     | .00369   | -.00042 | .00255  | .00180  | -.00248 | -.02288 | .02067 | .00000 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00009  | 38.487  | -.00091 | -.00020 | .00098  | .00708  | .00172 | 45.590 |
| Stddev | .00003   | .724    | .00026  | .00009  | .00001  | .00078  | .00006 | .724   |
| %RSD   | 36.432   | 1.8821  | 28.109  | 43.948  | 1.1100  | 10.970  | 3.3124 | 1.5890 |
| #1     | -.00006  | 38.999  | -.00109 | -.00014 | .00097  | .00763  | .00168 | 46.103 |
| #2     | -.00011  | 37.975  | -.00073 | -.00026 | .00099  | .00653  | .00176 | 45.078 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00286  | -.00017 | 346.34  | .00072  | -.00040 | 14.262  | .00041 | .14740 |
| Stddev | .00063   | .00027  | 9.56    | .00033  | .00000  | .184    | .00010 | .00231 |
| %RSD   | 21.918   | 161.37  | 2.7591  | 45.790  | .75580  | 1.2917  | 23.421 | 1.5705 |
| #1     | -.00241  | .00002  | 353.10  | .00049  | -.00040 | 14.392  | .00048 | .14576 |
| #2     | -.00330  | -.00036 | 339.58  | .00096  | -.00041 | 14.132  | .00035 | .14903 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 32.337 | 2.7884  | -.01276 | -.00079 | -.00117 | .0366   | .36206 | 5.0612 |
| Stddev | .043     | .0508   | .00047  | .00040  | .00038  | .0010   | .01031 | .5312  |
| %RSD   | .13187   | 1.8216  | 3.6929  | 50.580  | 32.275  | 2.824   | 2.8476 | 10.496 |
| #1     | 32.307   | 2.8243  | -.01309 | -.00051 | -.00090 | .0358   | .36935 | 4.6855 |
| #2     | 32.368   | 2.7525  | -.01243 | -.00108 | -.00144 | .0373   | .35477 | 5.4368 |

Sample Name: J6128-08      Acquired: 11/30/2018 22:57:08      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.8713 |
| Stddev | .2088  |
| %RSD   | 5.3946 |

|    |        |
|----|--------|
| #1 | 3.7236 |
| #2 | 4.0190 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4011.1 | 48086. | 3917.1 | 77.510 | 3986.7 |
| Stddev    | 3.3    | 2239.  | 89.9   | .022   | 1.6    |
| %RSD      | .08181 | 4.6568 | 2.2955 | .02854 | .03988 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4008.8 | 49670. | 3853.5 | 77.495 | 3987.8 |
| #2 | 4013.5 | 46503. | 3980.7 | 77.526 | 3985.6 |

Sample Name: J6128-09      Acquired: 11/30/2018 23:01:17      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00230 | -.00085 | .00127 | .00407 | -.00231 | .00117 | .02096 | .00005 |
| Stddev | .00104 | .00032  | .00001 | .00101 | .00120  | .00630 | .00151 | .00004 |
| %RSD   | 44.998 | 37.749  | 1.1626 | 24.811 | 52.228  | 540.46 | 7.2142 | 80.727 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00303 | -.00107 | .00126 | .00336 | -.00145 | -.00329 | .01989 | .00007 |
| #2 | .00157 | -.00062 | .00128 | .00478 | -.00316 | .00562  | .02203 | .00002 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00002 | 36.048 | -.00022 | -.00040 | .00131 | .02527 | .00216 | 37.716 |
| Stddev | .00001  | 1.136  | .00002  | .00011  | .00045 | .01942 | .00007 | 1.035  |
| %RSD   | 51.760  | 3.1524 | 9.9940  | 27.776  | 34.301 | 76.845 | 3.3308 | 2.7442 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00001 | 35.245 | -.00021 | -.00048 | .00099 | .03900 | .00221 | 36.984 |
| #2 | -.00003 | 36.852 | -.00024 | -.00032 | .00163 | .01154 | .00211 | 38.448 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00242 | .00041 | 285.01 | .00063 | -.00033 | 11.883 | .00022 | .09788 |
| Stddev | .00028  | .00051 | 7.73   | .00059 | .00002  | .323   | .00002 | .00640 |
| %RSD   | 11.448  | 124.25 | 2.7109 | 94.176 | 4.9243  | 2.7187 | 9.1552 | 6.5386 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00223 | .00077 | 279.54 | .00021 | -.00031 | 11.655 | .00021 | .09336 |
| #2 | -.00262 | .00005 | 290.47 | .00105 | -.00034 | 12.111 | .00024 | .10241 |

|        |          |        |         |        |         |        |        |        |
|--------|----------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 26.882 | 2.7910 | -.01141 | .00204 | -.00256 | .0364  | .31660 | 4.0645 |
| Stddev | .112     | .0567  | .00010  | .00460 | .00146  | .0008  | .01020 | .1080  |
| %RSD   | .41730   | 2.0306 | .87826  | 226.09 | 57.288  | 2.217  | 3.2204 | 2.6579 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | 26.803 | 2.7509 | -.01134 | -.00122 | -.00152 | .0358 | .30939 | 4.1409 |
| #2 | 26.962 | 2.8310 | -.01148 | .00529  | -.00359 | .0369 | .32381 | 3.9881 |



Sample Name: J6128-09      Acquired: 11/30/2018 23:01:17      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.4054  
Stddev      .0003  
%RSD      .00994

#1      3.4056  
#2      3.4052

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3987.3 | 51304. | 3949.7 | 80.733 | 3991.6 |
| Stddev    | 7.8    | 1312.  | 136.5  | 1.836  | 13.6   |
| %RSD      | .19446 | 2.5578 | 3.4567 | 2.2743 | .34006 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3992.8 | 50376. | 4046.3 | 82.031 | 4001.2 |
| #2 | 3981.9 | 52232. | 3853.2 | 79.434 | 3982.0 |

Sample Name: J6128-10      Acquired: 11/30/2018 23:05:26      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00210 | -.00102 | .00227 | .00483 | -.00303 | -.00562 | .02100 | .00004 |
| Stddev | .00226 | .00090  | .00021 | .00115 | .00037  | .00540  | .00048 | .00002 |
| %RSD   | 107.36 | 88.871  | 9.0422 | 23.734 | 12.246  | 96.126  | 2.2686 | 53.588 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00051 | -.00038 | .00242 | .00402 | -.00276 | -.00180 | .02066 | .00005 |
| #2 | .00370 | -.00165 | .00213 | .00564 | -.00329 | -.00944 | .02133 | .00002 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00006 | 35.966 | -.00093 | -.00026 | .00084 | .01976 | .00202 | 36.753 |
| Stddev | .00004  | .838   | .00052  | .00002  | .00010 | .00954 | .00003 | .916   |
| %RSD   | 65.710  | 2.3295 | 56.042  | 8.0030  | 12.002 | 48.281 | 1.6546 | 2.4935 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00003 | 36.558 | -.00130 | -.00028 | .00091 | .01301 | .00204 | 37.401 |
| #2 | -.00008 | 35.373 | -.00056 | -.00025 | .00077 | .02650 | .00200 | 36.105 |

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00236 | -.00022 | 272.49 | .00084 | -.00035 | 11.428 | .00017 | .10115 |
| Stddev | .00033  | .00055  | 7.65   | .00053 | .00002  | .282   | .00003 | .00390 |
| %RSD   | 14.168  | 255.94  | 2.8071 | 62.984 | 5.3842  | 2.4708 | 17.570 | 3.8552 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00259 | -.00061 | 277.90 | .00047 | -.00036 | 11.627 | .00019 | .09839 |
| #2 | -.00212 | .00017  | 267.08 | .00122 | -.00034 | 11.228 | .00015 | .10391 |

|        |          |        |         |        |         |        |        |        |
|--------|----------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 25.818 | 2.8113 | -.01108 | .00390 | -.00014 | .0382  | .31540 | 4.4486 |
| Stddev | .037     | .0170  | .00068  | .00139 | .00298  | .0002  | .00678 | .1087  |
| %RSD   | .14268   | .60367 | 6.1727  | 35.743 | 2117.2  | .4870  | 2.1499 | 2.4426 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 25.792 | 2.8233 | -.01157 | .00292 | .00197  | .0384 | .32019 | 4.3718 |
| #2 | 25.844 | 2.7993 | -.01060 | .00489 | -.00225 | .0381 | .31060 | 4.5255 |

Sample Name: J6128-10      Acquired: 11/30/2018 23:05:26      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.3110  
Stddev      .4301  
%RSD      12.990

#1      3.0068  
#2      3.6151

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3991.4 | 50479. | 3903.2 | 78.566 | 4006.4 |
| Stddev    | 17.6   | 593.   | 66.2   | .479   | 7.7    |
| %RSD      | .44008 | 1.1739 | 1.6953 | .60956 | .19135 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4003.8 | 50898. | 3856.4 | 78.905 | 4011.9 |
| #2 | 3978.9 | 50060. | 3950.0 | 78.227 | 4001.0 |

Sample Name: J6128-11      Acquired: 11/30/2018 23:09:34      Type: Unk  
Method: P4-ICP2(v2618)      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 | -.00098 | .00220 | -.00041 | -.00197 | .00018 | .02110 | .00010 |
| Stddev | .00013 | .00067  | .00020 | .00183  | .00050  | .00581 | .00388 | .00004 |
| %RSD   | 4.2702 | 68.149  | 9.1810 | 446.23  | 25.401  | 3230.7 | 18.392 | 42.138 |

|    |        |         |        |         |         |         |        |        |
|----|--------|---------|--------|---------|---------|---------|--------|--------|
| #1 | .00312 | -.00146 | .00206 | -.00171 | -.00161 | .00429  | .02384 | .00007 |
| #2 | .00293 | -.00051 | .00235 | .00088  | -.00232 | -.00393 | .01835 | .00014 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00011 | 35.350 | -.00003 | -.00021 | .00129 | .01972 | .00214 | 36.116 |
| Stddev | .00004  | 3.142  | .00022  | .00011  | .00012 | .01179 | .00002 | 3.146  |
| %RSD   | 31.941  | 8.8874 | 679.15  | 54.130  | 9.3193 | 59.785 | .72236 | 8.7102 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00009 | 37.571 | -.00019 | -.00013 | .00121 | .01138 | .00215 | 38.340 |
| #2 | -.00013 | 33.128 | .00012  | -.00029 | .00138 | .02805 | .00213 | 33.892 |

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00238 | -.00034 | 269.69 | .00089 | -.00043 | 11.304 | .00011 | .10788 |
| Stddev | .00057  | .00022  | 18.56  | .00057 | .00005  | .963   | .00006 | .00463 |
| %RSD   | 23.805  | 65.400  | 6.8820 | 63.726 | 10.966  | 8.5198 | 50.899 | 4.2925 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00198 | -.00018 | 282.81 | .00129 | -.00040 | 11.985 | .00007 | .11116 |
| #2 | -.00278 | -.00050 | 256.56 | .00049 | -.00047 | 10.623 | .00016 | .10461 |

|        |          |        |         |        |         |        |        |        |
|--------|----------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 25.871 | 2.8229 | -.01091 | .00046 | -.00223 | .0378  | .31008 | 4.7554 |
| Stddev | .236     | .1895  | .00023  | .00042 | .00033  | .0004  | .02668 | .4805  |
| %RSD   | .91107   | 6.7125 | 2.0717  | 90.052 | 14.774  | 1.170  | 8.6038 | 10.105 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 25.705 | 2.9569 | -.01107 | .00017 | -.00199 | .0375 | .32895 | 5.0952 |
| #2 | 26.038 | 2.6889 | -.01075 | .00076 | -.00246 | .0381 | .29122 | 4.4156 |

Sample Name: J6128-11      Acquired: 11/30/2018 23:09:34      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.6225 |
| Stddev | .2522  |
| %RSD   | 6.9612 |

|    |        |
|----|--------|
| #1 | 3.8008 |
| #2 | 3.4442 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3964.0 | 49509. | 3933.6 | 77.591 | 3986.3 |
| Stddev    | 34.7   | 1426.  | 292.4  | 4.824  | 39.5   |
| %RSD      | .87518 | 2.8810 | 7.4329 | 6.2177 | .98975 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3988.5 | 48500. | 3726.9 | 74.180 | 4014.2 |
| #2 | 3939.5 | 50517. | 4140.4 | 81.002 | 3958.4 |

Sample Name: J6128-12      Acquired: 11/30/2018 23:13:43      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00281   | -.00178 | .00224  | .00605  | -.00231 | .01300 | .02472 | .00006 |
| Stddev | .00279   | .00076  | .00028  | .00302  | .00010  | .01711 | .00122 | .00009 |
| %RSD   | 99.488   | 42.681  | 12.581  | 49.887  | 4.3289  | 131.60 | 4.9435 | 140.81 |
| #1     | .00479   | -.00232 | .00204  | .00819  | -.00238 | .00090 | .02385 | .00000 |
| #2     | .00083   | -.00124 | .00244  | .00392  | -.00224 | .02510 | .02558 | .00013 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00014  | 44.108  | -.00104 | -.00017 | .00092  | .00944 | .00304 | 60.849 |
| Stddev | .00005   | .018    | .00023  | .00005  | .00022  | .00587 | .00003 | .320   |
| %RSD   | 36.180   | .03967  | 21.860  | 29.572  | 24.253  | 62.146 | 1.0669 | .52648 |
| #1     | -.00018  | 44.121  | -.00088 | -.00020 | .00108  | .00529 | .00306 | 61.076 |
| #2     | -.00011  | 44.096  | -.00121 | -.00013 | .00076  | .01359 | .00301 | 60.623 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00292  | -.00022 | 453.44  | .00074  | -.00016 | 18.728 | .00046 | .18636 |
| Stddev | .00006   | .00003  | 3.10    | .00056  | .00001  | .142   | .00027 | .00889 |
| %RSD   | 1.9406   | 13.144  | .68376  | 74.576  | 8.0830  | .75583 | 57.396 | 4.7716 |
| #1     | -.00288  | -.00024 | 455.64  | .00035  | -.00015 | 18.828 | .00065 | .19265 |
| #2     | -.00296  | -.00020 | 451.25  | .00114  | -.00017 | 18.628 | .00028 | .18007 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 43.079 | 2.8246  | -.01686 | .00461  | .00146  | .0396  | .45605 | 4.9993 |
| Stddev | .039     | .0382   | .00041  | .00033  | .00121  | .0001  | .00410 | .0418  |
| %RSD   | .09168   | 1.3532  | 2.4242  | 7.2459  | 82.788  | .1546  | .89914 | .83553 |
| #1     | 43.107   | 2.8516  | -.01715 | .00437  | .00061  | .0396  | .45895 | 5.0288 |
| #2     | 43.052   | 2.7976  | -.01657 | .00485  | .00232  | .0397  | .45315 | 4.9698 |

Sample Name: J6128-12      Acquired: 11/30/2018 23:13:43      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      4.0617  
Stddev      .1896  
%RSD      4.6667

#1      3.9277  
#2      4.1957

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3866.2 | 48763. | 3762.6 | 74.181 | 3820.3 |
| Stddev    | 15.8   | 140.   | 31.3   | .306   | 3.5    |
| %RSD      | .40941 | .28629 | .83193 | .41222 | .09193 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3877.4 | 48664. | 3740.5 | 73.964 | 3822.8 |
| #2 | 3855.0 | 48861. | 3784.8 | 74.397 | 3817.8 |

Sample Name: J6128-13      Acquired: 11/30/2018 23:17:51      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00104   | -.00106 | .00159  | .00324  | -.00529 | -.00246 | .02353 | .00010 |
| Stddev | .00052   | .00024  | .00129  | .00146  | .00177  | .00966  | .00027 | .00006 |
| %RSD   | 49.516   | 22.233  | 81.265  | 45.181  | 33.438  | 393.48  | 1.1507 | 55.201 |
| #1     | .00140   | -.00089 | .00250  | .00427  | -.00404 | -.00929 | .02372 | .00014 |
| #2     | .00068   | -.00123 | .00068  | .00220  | -.00654 | .00438  | .02333 | .00006 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00005  | 40.267  | -.00054 | -.00019 | .00074  | .01974  | .00269 | 49.235 |
| Stddev | .00000   | .051    | .00017  | .00017  | .00001  | .00468  | .00009 | .096   |
| %RSD   | 8.0872   | .12781  | 31.646  | 94.168  | 1.7012  | 23.711  | 3.2408 | .19486 |
| #1     | -.00005  | 40.231  | -.00066 | -.00006 | .00073  | .02305  | .00263 | 49.167 |
| #2     | -.00006  | 40.304  | -.00042 | -.00031 | .00075  | .01643  | .00275 | 49.303 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00271  | .00008  | 375.09  | .00054  | -.00034 | 15.509  | .00029 | .14770 |
| Stddev | .00015   | .00010  | 1.42    | .00021  | .00001  | .008    | .00019 | .00584 |
| %RSD   | 5.4218   | 123.84  | .37728  | 37.971  | 3.5121  | .05203  | 66.206 | 3.9566 |
| #1     | -.00260  | .00014  | 374.09  | .00040  | -.00035 | 15.503  | .00015 | .14357 |
| #2     | -.00281  | .00001  | 376.10  | .00069  | -.00033 | 15.514  | .00042 | .15183 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 35.091 | 2.7953  | -.01415 | .00340  | .00182  | .0386   | .39091 | 4.5965 |
| Stddev | .478     | .0168   | .00057  | .00279  | .00008  | .0005   | .00310 | .2018  |
| %RSD   | 1.3617   | .60040  | 4.0464  | 82.103  | 4.3653  | 1.418   | .79261 | 4.3908 |
| #1     | 34.753   | 2.7834  | -.01374 | .00537  | .00176  | .0383   | .38872 | 4.4538 |
| #2     | 35.429   | 2.8071  | -.01455 | .00142  | .00187  | .0390   | .39310 | 4.7392 |



Sample Name: J6128-13      Acquired: 11/30/2018 23:17:51      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.2793  
Stddev      .1332  
%RSD      4.0612

#1      3.3735  
#2      3.1852

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3924.6 | 49833. | 3822.4 | 74.422 | 3892.4 |
| Stddev    | 56.6   | 1287.  | 20.0   | .065   | 52.3   |
| %RSD      | 1.4418 | 2.5833 | .52384 | .08780 | 1.3436 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3964.6 | 50743. | 3836.5 | 74.468 | 3929.4 |
| #2 | 3884.6 | 48923. | 3808.2 | 74.376 | 3855.5 |

Sample Name: J6128-14      Acquired: 11/30/2018 23:22:00      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00202 | -.00125 | .00169 | .00401 | -.00301 | -.00744 | .02260 | .00005 |
| Stddev | .00066 | .00016  | .00034 | .00144 | .00000  | .00810  | .00036 | .00005 |
| %RSD   | 32.527 | 12.823  | 20.363 | 35.908 | .05047  | 108.77  | 1.5948 | 95.218 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00249 | -.00113 | .00145 | .00299 | -.00301 | -.00172 | .02286 | .00002 |
| #2 | .00156 | -.00136 | .00194 | .00503 | -.00300 | -.01317 | .02235 | .00009 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 39.153 | -.00075 | -.00025 | .00094 | .01628 | .00229 | 46.162 |
| Stddev | .00011  | .189   | .00014  | .00022  | .00006 | .00358 | .00008 | .368   |
| %RSD   | 228.71  | .48320 | 18.719  | 88.469  | 6.7379 | 21.973 | 3.3834 | .79621 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00012 | 39.019 | -.00065 | -.00041 | .00098 | .01375 | .00223 | 45.903 |
| #2 | .00003  | 39.287 | -.00084 | -.00009 | .00090 | .01880 | .00234 | 46.422 |

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00317 | -.00025 | 345.06 | .00082 | -.00042 | 14.435 | .00026 | .12668 |
| Stddev | .00030  | .00002  | .36    | .00015 | .00005  | .102   | .00001 | .00245 |
| %RSD   | 9.4007  | 6.4652  | .10417 | 18.696 | 12.940  | .70752 | 2.9611 | 1.9362 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00296 | -.00026 | 344.81 | .00092 | -.00045 | 14.363 | .00026 | .12494 |
| #2 | -.00339 | -.00024 | 345.32 | .00071 | -.00038 | 14.507 | .00027 | .12841 |

|        |          |        |         |        |        |        |        |        |
|--------|----------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 32.430 | 2.8163 | -.01319 | .00472 | .00167 | .0383  | .36721 | 4.2975 |
| Stddev | .275     | .0247  | .00025  | .00018 | .00041 | .0002  | .00378 | .3701  |
| %RSD   | .84735   | .87717 | 1.8782  | 3.8414 | 24.601 | .6429  | 1.0293 | 8.6115 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 32.235 | 2.7988 | -.01336 | .00485 | .00138 | .0385 | .36454 | 4.5591 |
| #2 | 32.624 | 2.8338 | -.01301 | .00459 | .00196 | .0381 | .36989 | 4.0358 |

Sample Name: J6128-14      Acquired: 11/30/2018 23:22:00      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.0285 |
| Stddev | .6200  |
| %RSD   | 20.471 |

|    |        |
|----|--------|
| #1 | 2.5901 |
| #2 | 3.4669 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3907.4 | 50696. | 3813.9 | 75.173 | 3889.0 |
| Stddev    | 16.8   | 959.   | 56.0   | 1.833  | 21.5   |
| %RSD      | .42926 | 1.8909 | 1.4688 | 2.4380 | .55204 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3919.2 | 50018. | 3853.5 | 76.469 | 3904.2 |
| #2 | 3895.5 | 51373. | 3774.2 | 73.877 | 3873.8 |

Sample Name: J6129-02      Acquired: 11/30/2018 23:26:08      Type: Unk  
Method: P4-ICP2(v2618)      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    | -.00083 | -.00056 | .00084 | .00052 | -.00286 | .00898 | .01805 | .00002 |
| Stddev | .00257  | .00080  | .00110 | .00013 | .00150  | .00608 | .00011 | .00000 |
| %RSD   | 309.42  | 141.10  | 131.48 | 24.456 | 52.500  | 67.724 | .61941 | 16.482 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00265 | -.00113 | .00161 | .00043 | -.00393 | .01327 | .01813 | .00002 |
| #2 | .00099  | -.00000 | .00006 | .00062 | -.00180 | .00468 | .01797 | .00001 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00004 | 28.548 | -.00049 | -.00007 | .00096 | .03709 | .00301 | 12.302 |
| Stddev | .00008  | .041   | .00015  | .00011  | .00038 | .01198 | .00005 | .021   |
| %RSD   | 215.92  | .14249 | 30.043  | 146.10  | 39.993 | 32.300 | 1.7384 | .17105 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00002  | 28.519 | -.00059 | .00000  | .00123 | .02862 | .00304 | 12.317 |
| #2 | -.00009 | 28.577 | -.00039 | -.00015 | .00069 | .04556 | .00297 | 12.288 |

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00155 | -.00018 | 75.893 | .00053 | -.00065 | 3.7243 | .00015 | .01355 |
| Stddev | .00007  | .00083  | .169   | .00018 | .00003  | .0189  | .00009 | .00211 |
| %RSD   | 4.4968  | 454.47  | .22228 | 34.645 | 4.4849  | .50809 | 55.306 | 15.565 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00160 | .00041  | 76.013 | .00066 | -.00067 | 3.7110 | .00009 | .01504 |
| #2 | -.00150 | -.00077 | 75.774 | .00040 | -.00063 | 3.7377 | .00021 | .01206 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.7206 | 2.9839 | -.00491 | .00070 | -.00591 | .0304  | .16437 | 3.4503 |
| Stddev | .0169  | .0268  | .00049  | .00183 | .00086  | .0002  | .00053 | .0596  |
| %RSD   | .21929 | .89925 | 10.069  | 261.88 | 14.490  | .5393  | .32107 | 1.7265 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | 7.7087 | 3.0028 | -.00456 | -.00060 | -.00531 | .0305 | .16400 | 3.4925 |
| #2 | 7.7326 | 2.9649 | -.00526 | .00200  | -.00652 | .0303 | .16475 | 3.4082 |

Sample Name: J6129-02      Acquired: 11/30/2018 23:26:08      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.1974  
Stddev      .3836  
%RSD      17.459

#1      1.9261  
#2      2.4686

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4138.4 | 53915. | 3872.2 | 76.515 | 4326.7 |
| Stddev    | 5.6    | 124.   | 11.8   | .459   | 12.4   |
| %RSD      | .13497 | .23064 | .30466 | .60001 | .28757 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4134.4 | 53827. | 3863.9 | 76.839 | 4317.9 |
| #2 | 4142.3 | 54002. | 3880.5 | 76.190 | 4335.5 |

Sample Name: J6129-03      Acquired: 11/30/2018 23:30:12      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00235 | -.00050 | .00134 | .00309 | -.00230 | .00326 | .01942 | .00010 |
| Stddev | .00057 | .00108  | .00028 | .00134 | .00041  | .01060 | .00007 | .00003 |
| %RSD   | 24.123 | 217.30  | 21.212 | 43.340 | 17.654  | 325.57 | .35748 | 32.595 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00275 | .00027  | .00114 | .00215 | -.00259 | .01075  | .01947 | .00012 |
| #2 | .00195 | -.00126 | .00154 | .00404 | -.00202 | -.00424 | .01937 | .00008 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 28.960 | -.00042 | -.00010 | .00065 | .03223 | .00489 | 13.375 |
| Stddev | .00004  | .523   | .00056  | .00018  | .00034 | .00821 | .00004 | .263   |
| %RSD   | 84.786  | 1.8068 | 132.90  | 175.24  | 52.563 | 25.468 | .78986 | 1.9648 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00008 | 28.590 | -.00082 | -.00022 | .00089 | .03803 | .00486 | 13.189 |
| #2 | -.00002 | 29.330 | -.00003 | .00002  | .00041 | .02642 | .00491 | 13.561 |

|        |         |         |        |         |         |        |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00135 | -.00021 | 85.287 | -.00044 | -.00021 | 4.1404 | .00012 | .03642 |
| Stddev | .00016  | .00054  | 1.502  | .00002  | .00000  | .0493  | .00018 | .00313 |
| %RSD   | 11.641  | 254.61  | 1.7615 | 4.4647  | 2.3466  | 1.1912 | 150.81 | 8.5926 |

|    |         |         |        |         |         |        |         |        |
|----|---------|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.00146 | .00017  | 84.224 | -.00043 | -.00022 | 4.1055 | .00024  | .03864 |
| #2 | -.00124 | -.00060 | 86.349 | -.00045 | -.00021 | 4.1752 | -.00001 | .03421 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 8.6170 | 2.9664 | -.00506 | .00420 | -.00534 | .0325  | .17189 | 3.4924 |
| Stddev | .0259  | .0584  | .00039  | .00411 | .00191  | .0004  | .00268 | .0585  |
| %RSD   | .30091 | 1.9694 | 7.7371  | 97.759 | 35.699  | 1.123  | 1.5573 | 1.6752 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 8.6353 | 2.9251 | -.00479 | .00130 | -.00669 | .0327 | .16999 | 3.5337 |
| #2 | 8.5987 | 3.0077 | -.00534 | .00711 | -.00399 | .0322 | .17378 | 3.4510 |

Sample Name: J6129-03      Acquired: 11/30/2018 23:30:12      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.7510  
Stddev      .9845  
%RSD      56.225

#1      2.4472  
#2      1.0549

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4118.8 | 54158. | 3883.6 | 78.404 | 4290.3 |
| Stddev    | 1.1    | 237.   | 55.5   | .282   | 4.8    |
| %RSD      | .02649 | .43850 | 1.4290 | .35930 | .11245 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4119.5 | 53990. | 3922.8 | 78.603 | 4293.7 |
| #2 | 4118.0 | 54326. | 3844.3 | 78.205 | 4286.9 |

Sample Name: J6129-04      Acquired: 11/30/2018 23:34:15      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00187 | -.00065 | .00107 | .00252 | -.00285 | .00113 | .01783 | .00006 |
| Stddev | .00158 | .00008  | .00025 | .00081 | .00139  | .01568 | .00063 | .00004 |
| %RSD   | 84.100 | 12.109  | 23.217 | 32.267 | 48.684  | 1392.1 | 3.5335 | 63.452 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00299 | -.00059 | .00124 | .00194 | -.00383 | -.00996 | .01739 | .00008 |
| #2 | .00076 | -.00071 | .00089 | .00309 | -.00187 | .01221  | .01828 | .00003 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00008 | 28.739 | -.00044 | -.00021 | .00115 | .05074 | .00429 | 13.286 |
| Stddev | .00001  | .000   | .00017  | .00019  | .00013 | .00501 | .00004 | .001   |
| %RSD   | 8.1791  | .00035 | 39.413  | 92.033  | 10.910 | 9.8652 | 1.0489 | .00378 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00008 | 28.739 | -.00031 | -.00034 | .00124 | .04720 | .00432 | 13.286 |
| #2 | -.00009 | 28.740 | -.00056 | -.00007 | .00107 | .05428 | .00426 | 13.287 |

|        |         |        |        |         |         |        |        |        |
|--------|---------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00141 | .00016 | 86.465 | -.00041 | -.00051 | 4.1169 | .00033 | .02495 |
| Stddev | .00022  | .00025 | .798   | .00029  | .00007  | .0447  | .00004 | .00294 |
| %RSD   | 15.390  | 158.75 | .92254 | 71.105  | 14.496  | 1.0854 | 13.485 | 11.771 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | -.00157 | -.00002 | 87.029 | -.00020 | -.00056 | 4.1485 | .00036 | .02287 |
| #2 | -.00126 | .00033  | 85.901 | -.00062 | -.00046 | 4.0854 | .00030 | .02703 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 8.3546 | 2.9831 | -.00504 | .00242 | -.00519 | .0315  | .17149 | 3.3509 |
| Stddev | .2785  | .0209  | .00036  | .00076 | .00101  | .0022  | .00077 | .1789  |
| %RSD   | 3.3337 | .70168 | 7.2145  | 31.406 | 19.378  | 7.060  | .45183 | 5.3396 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 8.5515 | 2.9979 | -.00530 | .00296 | -.00590 | .0331 | .17204 | 3.4774 |
| #2 | 8.1576 | 2.9683 | -.00478 | .00188 | -.00448 | .0299 | .17095 | 3.2244 |



Sample Name: J6129-04      Acquired: 11/30/2018 23:34:15      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.6075  
Stddev      .2513  
%RSD      15.631

#1      1.4298  
#2      1.7852

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4238.4 | 54084. | 3878.6 | 76.972 | 4413.4 |
| Stddev    | 129.5  | 435.   | 22.2   | .162   | 128.5  |
| %RSD      | 3.0550 | .80414 | .57280 | .21066 | 2.9118 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4146.8 | 53777. | 3862.9 | 77.087 | 4322.5 |
| #2 | 4330.0 | 54392. | 3894.3 | 76.857 | 4504.2 |

Sample Name: CCV13      Acquired: 11/30/2018 23:38:19      Type: Unk  
Method: P4-ICP2(v2618)      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    | 4.9574 | 4.8221 | 4.8322 | 4.8510 | 4.9779 | 9.9123 | 9.9485 | .24932   |
| Stddev | .0139  | .0158  | .0012  | .0196  | .0021  | .0557  | .0394  | .00067   |
| %RSD   | .28085 | .32709 | .02391 | .40408 | .04273 | .56187 | .39638 | .26803   |
| #1     | 4.9673 | 4.8333 | 4.8331 | 4.8649 | 4.9794 | 9.9517 | 9.9206 | .24885   |
| #2     | 4.9476 | 4.8110 | 4.8314 | 4.8372 | 4.9764 | 9.8729 | 9.9764 | .24980   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4163 | 25.821 | 1.0246 | 2.4337 | 1.2352 | 4.8403 | 2.5343 | 24.481   |
| Stddev | .0022  | .038   | .0055  | .0024  | .0034  | .0727  | .0002  | .183     |
| %RSD   | .09180 | .14872 | .53361 | .09655 | .27495 | 1.5030 | .00760 | .74720   |
| #1     | 2.4179 | 25.848 | 1.0284 | 2.4353 | 1.2376 | 4.7889 | 2.5342 | 24.352   |
| #2     | 2.4148 | 25.794 | 1.0207 | 2.4320 | 1.2328 | 4.8917 | 2.5345 | 24.611   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3873 | 1.2064 | 24.709 | 2.4284 | 2.5752 | 24.274 | 4.8621 | 4.9032   |
| Stddev | .0032  | .0027  | .240   | .0072  | .0689  | .177   | .0165  | .0034    |
| %RSD   | .13399 | .22164 | .97321 | .29648 | 2.6746 | .72761 | .33909 | .06909   |
| #1     | 2.3895 | 1.2045 | 24.539 | 2.4335 | 2.5265 | 24.149 | 4.8738 | 4.9008   |
| #2     | 2.3850 | 1.2083 | 24.879 | 2.4233 | 2.6239 | 24.399 | 4.8505 | 4.9056   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.6169 | 4.8614 | 4.7188 | 4.8937 | 4.9594 | 4.765  | 5.1261 | F 4.3722 |
| Stddev | .0047  | .0219  | .0039  | .0249  | .0248  | .013   | .0073  | .0626    |
| %RSD   | .10136 | .44987 | .08168 | .50831 | .49982 | .2810  | .14242 | 1.4318   |
| #1     | 4.6203 | 4.8460 | 4.7215 | 4.8761 | 4.9418 | 4.775  | 5.1209 | 4.4164   |
| #2     | 4.6136 | 4.8769 | 4.7161 | 4.9113 | 4.9769 | 4.756  | 5.1312 | 4.3279   |

Sample Name: CCV13      Acquired: 11/30/2018 23:38:19      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.6765  
Stddev      .1225  
%RSD      4.5753

#1      2.5899  
#2      2.7631

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3994.0 | 51277. | 3706.1 | 71.192 | 3999.0 |
| Stddev    | 19.6   | 135.   | 22.0   | 1.731  | 11.2   |
| %RSD      | .49176 | .26396 | .59430 | 2.4321 | .28015 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3980.1 | 51182. | 3721.7 | 72.416 | 3991.0 |
| #2 | 4007.9 | 51373. | 3690.5 | 69.967 | 4006.9 |

Sample Name: CCB13      Acquired: 11/30/2018 23:42:04      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00068 | .00086 | F .00389 | .00089 | -.00063 | .00686 | .00435 |
| Stddev | .00048 | .00034 | .00057   | .00306 | .00093  | .01782 | .00062 |
| %RSD   | 70.825 | 39.249 | 14.755   | 342.91 | 146.64  | 259.65 | 14.166 |

|    |        |        |        |         |         |         |        |
|----|--------|--------|--------|---------|---------|---------|--------|
| #1 | .00102 | .00062 | .00429 | -.00127 | -.00129 | .01946  | .00479 |
| #2 | .00034 | .00110 | .00348 | .00305  | .00002  | -.00574 | .00392 |

|        |         |        |         |         |         |        |        |
|--------|---------|--------|---------|---------|---------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00003 | .00012 | -.00331 | -.00036 | -.00002 | .00031 | .00178 |
| Stddev | .00001  | .00002 | .00885  | .00027  | .00010  | .00001 | .01271 |
| %RSD   | 16.749  | 19.521 | 266.98  | 74.134  | 630.27  | 2.3626 | 713.84 |

|    |         |        |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|--------|---------|
| #1 | -.00003 | .00010 | -.00957 | -.00017 | -.00009 | .00032 | -.00721 |
| #2 | -.00003 | .00013 | .00294  | -.00055 | .00005  | .00031 | .01077  |

|        |        |         |         |        |        |         |         |
|--------|--------|---------|---------|--------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00026 | -.09901 | -.00120 | .00022 | .20143 | -.00014 | -.00049 |
| Stddev | .00007 | .02420  | .00075  | .00006 | .01730 | .00018  | .00007  |
| %RSD   | 28.463 | 24.448  | 62.625  | 28.474 | 8.5890 | 129.82  | 14.932  |

|    |        |         |         |        |        |         |         |
|----|--------|---------|---------|--------|--------|---------|---------|
| #1 | .00021 | -.11612 | -.00067 | .00026 | .21366 | -.00027 | -.00044 |
| #2 | .00032 | -.08189 | -.00174 | .00017 | .18919 | -.00001 | -.00054 |

|        |        |        |         |           |        |         |        |
|--------|--------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .04554 | .00066 | -.01080 | F -.14106 | .00177 | -.00163 | .00266 |
| Stddev | .02600 | .00011 | .00088  | .00219    | .00124 | .00071  | .00231 |
| %RSD   | 57.100 | 16.515 | 8.1521  | 1.5542    | 70.279 | 43.540  | 87.004 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .06392 | .00073 | -.01142 | -.13951 | .00089 | -.00113 | .00429 |
| #2 | .02715 | .00058 | -.01018 | -.14261 | .00264 | -.00213 | .00102 |

Sample Name: CCB13      Acquired: 11/30/2018 23:42:04      Type: Unk  
 Method: P4-ICP2(v2618)      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    | -.00066 | -.0012 | -.00007 | F 3.2918 | F .84854 |
| Stddev | .00075  | .0019  | .00007  | .1192    | .38903   |
| %RSD   | 114.44  | 155.9  | 96.139  | 3.6205   | 45.847   |

|    |         |        |         |        |        |
|----|---------|--------|---------|--------|--------|
| #1 | -.00013 | .0001  | -.00011 | 3.3761 | .57345 |
| #2 | -.00119 | -.0026 | -.00002 | 3.2075 | 1.1236 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4112.7 | 54111. | 3756.6 | 75.838 | 4521.0 |
| Stddev    | 52.4   | 341.   | 8.7    | .008   | 59.2   |
| %RSD      | 1.2732 | .63001 | .23075 | .01060 | 1.3101 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4149.7 | 53870. | 3750.5 | 75.832 | 4562.9 |
| #2 | 4075.6 | 54352. | 3762.8 | 75.843 | 4479.2 |

Sample Name: J6129-05      Acquired: 11/30/2018 23:46:11      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00068 | -.00063 | .00120 | .00265 | -.00274 | .01463 | .01769 | .00003 |
| Stddev | .00021 | .00036  | .00077 | .00080 | .00038  | .01338 | .00004 | .00002 |
| %RSD   | 30.433 | 57.268  | 63.825 | 30.176 | 13.855  | 91.409 | .21576 | 77.659 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00082 | -.00037 | .00174 | .00322 | -.00301 | .00518 | .01767 | .00001 |
| #2 | .00053 | -.00088 | .00066 | .00209 | -.00247 | .02409 | .01772 | .00004 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 27.446 | -.00022 | .00004 | .00088 | .04707 | .00303 | 8.6205 |
| Stddev | .00001  | .010   | .00003  | .00015 | .00031 | .00162 | .00003 | .0312  |
| %RSD   | 10.245  | .03628 | 11.623  | 435.42 | 35.671 | 3.4438 | 1.0068 | .36206 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00008 | 27.439 | -.00020 | .00014  | .00066 | .04592 | .00301 | 8.5984 |
| #2 | -.00007 | 27.453 | -.00024 | -.00007 | .00110 | .04822 | .00305 | 8.6425 |

|        |         |        |        |         |         |        |        |        |
|--------|---------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00113 | .00002 | 46.220 | -.00016 | -.00042 | 2.6273 | .00006 | .00299 |
| Stddev | .00025  | .00059 | .276   | .00028  | .00001  | .0143  | .00017 | .00333 |
| %RSD   | 21.831  | 2790.8 | .59733 | 172.52  | 1.3837  | .54459 | 274.28 | 111.11 |

|    |         |         |        |         |         |        |         |        |
|----|---------|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.00130 | .00044  | 46.415 | -.00036 | -.00042 | 2.6374 | -.00006 | .00064 |
| #2 | -.00096 | -.00040 | 46.025 | .00004  | -.00042 | 2.6172 | .00018  | .00535 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.3205 | 3.0662 | -.00386 | .00205 | -.00588 | .0299  | .14277 | 3.3829 |
| Stddev | .0104  | .0459  | .00043  | .00230 | .00252  | .0011  | .00053 | .1226  |
| %RSD   | .19463 | 1.4959 | 11.184  | 112.14 | 42.780  | 3.531  | .36864 | 3.6245 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 5.3278 | 3.0987 | -.00355 | .00367 | -.00410 | .0291 | .14314 | 3.2962 |
| #2 | 5.3131 | 3.0338 | -.00416 | .00042 | -.00766 | .0306 | .14240 | 3.4696 |

Sample Name: J6129-05      Acquired: 11/30/2018 23:46:11      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.0458  
Stddev      .2478  
%RSD      12.114

#1      2.2211  
#2      1.8706

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4175.2 | 53927. | 3922.8 | 78.533 | 4427.6 |
| Stddev    | 7.7    | 814.   | 20.4   | .525   | 4.4    |
| %RSD      | .18558 | 1.5100 | .51989 | .66800 | .09887 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4180.7 | 54503. | 3908.4 | 78.904 | 4430.7 |
| #2 | 4169.7 | 53351. | 3937.2 | 78.162 | 4424.5 |

Sample Name: J6129-06      Acquired: 11/30/2018 23:50:14      Type: Unk  
Method: P4-ICP2(v2618)      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    | -.00037 | -.00076 | .00036 | .00380 | -.00347 | .03764 | .01697 | -.00000 |
| Stddev | .00146  | .00077  | .00013 | .00101 | .00040  | .00538 | .00086 | .00002  |
| %RSD   | 397.64  | 100.72  | 36.478 | 26.518 | 11.402  | 14.282 | 5.0467 | 995.09  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00066  | -.00130 | .00045 | .00309 | -.00375 | .04144 | .01637 | -.00001 |
| #2 | -.00140 | -.00022 | .00026 | .00452 | -.00319 | .03384 | .01758 | .00001  |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | 27.209 | -.00041 | .00006 | .00108 | .04727 | .00293 | 8.5464 |
| Stddev | .00004  | .698   | .00042  | .00010 | .00007 | .00285 | .00001 | .2707  |
| %RSD   | 105.76  | 2.5648 | 101.36  | 151.02 | 6.4383 | 6.0193 | .22591 | 3.1674 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00006 | 26.715 | -.00012 | .00013  | .00112 | .04526 | .00293 | 8.3550 |
| #2 | -.00001 | 27.702 | -.00071 | -.00000 | .00103 | .04928 | .00292 | 8.7379 |

|        |         |         |        |        |         |        |         |        |
|--------|---------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00144 | -.00063 | 45.834 | .00006 | -.00051 | 2.5676 | -.00004 | .00054 |
| Stddev | .00009  | .00009  | .918   | .00023 | .00009  | .0493  | .00023  | .00962 |
| %RSD   | 6.1028  | 14.269  | 2.0021 | 389.56 | 17.578  | 1.9184 | 505.81  | 1788.9 |

|    |         |         |        |         |         |        |         |         |
|----|---------|---------|--------|---------|---------|--------|---------|---------|
| #1 | -.00151 | -.00056 | 45.186 | -.00011 | -.00058 | 2.5328 | -.00021 | -.00627 |
| #2 | -.00138 | -.00069 | 46.483 | .00023  | -.00045 | 2.6024 | .00012  | .00734  |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.3385 | 3.0128 | -.00369 | .00101 | -.00692 | .0310  | .14128 | 3.3370 |
| Stddev | .0076  | .0922  | .00016  | .00013 | .00291  | .0009  | .00323 | .0474  |
| %RSD   | .14257 | 3.0588 | 4.2688  | 13.134 | 42.078  | 2.919  | 2.2880 | 1.4212 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 5.3439 | 2.9477 | -.00358 | .00111 | -.00897 | .0317 | .13899 | 3.3706 |
| #2 | 5.3332 | 3.0780 | -.00380 | .00092 | -.00486 | .0304 | .14357 | 3.3035 |



Sample Name: J6129-06      Acquired: 11/30/2018 23:50:14      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.6187  
 Stddev      .0682  
 %RSD      4.2153

#1      1.6669  
 #2      1.5704

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4179.0 | 54104. | 3927.6 | 78.450 | 4425.5 |
| Stddev    | 12.0   | 104.   | 95.6   | 1.223  | 13.2   |
| %RSD      | .28792 | .19249 | 2.4332 | 1.5587 | .29820 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4170.5 | 54178. | 3995.1 | 79.314 | 4416.2 |
| #2 | 4187.5 | 54031. | 3860.0 | 77.585 | 4434.9 |

Sample Name: J6129-07      Acquired: 11/30/2018 23:54:18      Type: Unk  
Method: P4-ICP2(v2618)      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    | -.00041 | .00012 | -.00049 | .00181 | -.00281 | -.00353 | .01729 | .00010 |
| Stddev | .00174  | .00058 | .00151  | .00125 | .00028  | .01040  | .00012 | .00003 |
| %RSD   | 428.99  | 483.76 | 308.24  | 69.033 | 10.151  | 294.60  | .68614 | 26.370 |

|    |         |         |         |        |         |         |        |        |
|----|---------|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00082  | .00053  | -.00156 | .00269 | -.00301 | .00382  | .01721 | .00012 |
| #2 | -.00163 | -.00029 | .00058  | .00093 | -.00260 | -.01088 | .01737 | .00008 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00007 | 26.997 | -.00048 | -.00016 | .00094 | .04434 | .00247 | 8.4710 |
| Stddev | .00000 | .531   | .00022  | .00010  | .00032 | .01846 | .00007 | .2290  |
| %RSD   | 1.8789 | 1.9682 | 46.316  | 64.307  | 34.212 | 41.624 | 2.7852 | 2.7029 |

|    |        |        |         |         |        |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00007 | 27.373 | -.00032 | -.00009 | .00071 | .05739 | .00242 | 8.6329 |
| #2 | .00007 | 26.622 | -.00064 | -.00024 | .00117 | .03129 | .00252 | 8.3091 |

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00113 | -.00000 | 44.841 | .00060 | -.00051 | 2.5535 | .00010 | .00864 |
| Stddev | .00047  | .00011  | .517   | .00058 | .00006  | .0558  | .00005 | .00161 |
| %RSD   | 41.198  | 3203.0  | 1.1528 | 95.436 | 11.191  | 2.1868 | 49.425 | 18.595 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00080 | .00007  | 45.206 | .00020 | -.00055 | 2.5930 | .00014 | .00750 |
| #2 | -.00146 | -.00008 | 44.475 | .00101 | -.00047 | 2.5141 | .00007 | .00977 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.2257 | 3.0123 | -.00398 | .00293 | -.00495 | .0308  | .13992 | 3.5900 |
| Stddev | .0002  | .0204  | .00006  | .00269 | .00057  | .0003  | .00258 | .2347  |
| %RSD   | .00304 | .67846 | 1.5037  | 91.574 | 11.559  | .8386  | 1.8411 | 6.5377 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 5.2255 | 3.0268 | -.00394 | .00103 | -.00454 | .0306 | .14174 | 3.4240 |
| #2 | 5.2258 | 2.9978 | -.00403 | .00483 | -.00535 | .0310 | .13810 | 3.7559 |

Sample Name: J6129-07      Acquired: 11/30/2018 23:54:18      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.1955 |
| Stddev | .4170  |
| %RSD   | 34.877 |

|    |        |
|----|--------|
| #1 | .90070 |
| #2 | 1.4904 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4171.2 | 53320. | 3932.6 | 78.209 | 4427.4 |
| Stddev    | 5.4    | 1093.  | 29.1   | .174   | 11.0   |
| %RSD      | .12977 | 2.0507 | .73997 | .22190 | .24800 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4167.4 | 54093. | 3912.0 | 78.087 | 4419.7 |
| #2 | 4175.1 | 52547. | 3953.2 | 78.332 | 4435.2 |

Sample Name: J6129-08      Acquired: 11/30/2018 23:58:21      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00207 | -.00002 | .00032 | .00004 | -.00205 | .00697 | .01751 | .00003 |
| Stddev | .00068 | .00108  | .00016 | .00018 | .00303  | .00063 | .00051 | .00000 |
| %RSD   | 32.757 | 5230.0  | 51.878 | 412.37 | 148.00  | 9.0294 | 2.9291 | 15.725 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00255 | -.00078 | .00043 | -.00008 | .00010  | .00742 | .01788 | .00002 |
| #2 | .00159 | .00074  | .00020 | .00017  | -.00419 | .00653 | .01715 | .00003 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 27.309 | -.00067 | -.00005 | .00072 | .04781 | .00225 | 8.4846 |
| Stddev | .00001  | .065   | .00020  | .00012  | .00000 | .00562 | .00004 | .1382  |
| %RSD   | 14.052  | .23907 | 30.308  | 223.96  | .27020 | 11.764 | 1.5884 | 1.6285 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00005 | 27.356 | -.00082 | -.00014 | .00072 | .04383 | .00223 | 8.5823 |
| #2 | -.00006 | 27.263 | -.00053 | .00003  | .00072 | .05179 | .00228 | 8.3869 |

|        |         |         |        |         |         |        |         |        |
|--------|---------|---------|--------|---------|---------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00105 | -.00032 | 44.878 | -.00019 | -.00044 | 2.5160 | -.00007 | .01160 |
| Stddev | .00009  | .00012  | .120   | .00013  | .00007  | .0018  | .00008  | .00472 |
| %RSD   | 8.7506  | 36.418  | .26840 | 66.842  | 16.842  | .07043 | 102.93  | 40.659 |

|    |         |         |        |         |         |        |         |        |
|----|---------|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.00111 | -.00024 | 44.793 | -.00010 | -.00039 | 2.5173 | -.00002 | .01493 |
| #2 | -.00098 | -.00041 | 44.964 | -.00028 | -.00049 | 2.5148 | -.00013 | .00826 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.1585 | 3.0472 | -.00460 | .00255 | -.00694 | .0307  | .14108 | 3.4179 |
| Stddev | .0673  | .0119  | .00032  | .00032 | .00104  | .0004  | .00057 | .0132  |
| %RSD   | 1.3051 | .38991 | 6.9612  | 12.657 | 14.919  | 1.230  | .40150 | .38564 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 5.1109 | 3.0388 | -.00483 | .00232 | -.00767 | .0310 | .14148 | 3.4272 |
| #2 | 5.2062 | 3.0556 | -.00437 | .00278 | -.00621 | .0305 | .14068 | 3.4086 |

Sample Name: J6129-08      Acquired: 11/30/2018 23:58:21      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.7440  
Stddev      .2263  
%RSD      12.976

#1      1.9040  
#2      1.5840

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4200.8 | 54037. | 3889.1 | 78.702 | 4448.5 |
| Stddev    | 38.3   | 107.   | 12.4   | .198   | 31.1   |
| %RSD      | .91214 | .19751 | .31775 | .25149 | .69821 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4227.9 | 54112. | 3897.8 | 78.841 | 4470.5 |
| #2 | 4173.7 | 53962. | 3880.4 | 78.562 | 4426.6 |

Sample Name: J6129-09      Acquired: 12/1/2018 0:02:24      Type: Unk  
Method: P4-ICP2(v2618)      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    | -.00091 | -.00008 | .00130 | .00214 | -.00269 | .00163 | .01660 | .00005 |
| Stddev | .00141  | .00017  | .00007 | .00008 | .00050  | .00784 | .00155 | .00004 |
| %RSD   | 153.76  | 218.43  | 5.1316 | 3.7639 | 18.561  | 480.20 | 9.3220 | 80.998 |

|    |         |         |        |        |         |         |        |        |
|----|---------|---------|--------|--------|---------|---------|--------|--------|
| #1 | -.00191 | -.00020 | .00134 | .00208 | -.00305 | .00718  | .01551 | .00002 |
| #2 | .00008  | .00004  | .00125 | .00219 | -.00234 | -.00391 | .01769 | .00007 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 27.497 | -.00032 | -.00010 | .00140 | .05683 | .00252 | 8.8781 |
| Stddev | .00005  | 1.970  | .00004  | .00001  | .00020 | .01000 | .00001 | .5877  |
| %RSD   | 69.397  | 7.1628 | 11.790  | 15.488  | 14.583 | 17.595 | .53661 | 6.6202 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00011 | 26.104 | -.00034 | -.00011 | .00126 | .06390 | .00251 | 8.4625 |
| #2 | -.00004 | 28.890 | -.00029 | -.00009 | .00155 | .04976 | .00253 | 9.2937 |

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00104 | -.00002 | 47.337 | .00043 | -.00047 | 2.6367 | .00004 | .01555 |
| Stddev | .00024  | .00036  | 2.759  | .00027 | .00006  | .1498  | .00003 | .00685 |
| %RSD   | 23.281  | 2099.5  | 5.8288 | 62.085 | 12.600  | 5.6814 | 84.930 | 44.034 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00121 | -.00027 | 45.386 | .00024 | -.00051 | 2.5308 | .00006 | .01071 |
| #2 | -.00087 | .00023  | 49.288 | .00062 | -.00043 | 2.7426 | .00002 | .02039 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.4327 | 3.0221 | -.00429 | .00333 | -.00563 | .0297  | .14299 | 3.7444 |
| Stddev | .0033  | .1786  | .00006  | .00152 | .00178  | .0000  | .00951 | .2321  |
| %RSD   | .06087 | 5.9101 | 1.3207  | 45.671 | 31.524  | .1005  | 6.6496 | 6.1982 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 5.4303 | 2.8958 | -.00433 | .00225 | -.00689 | .0296 | .13627 | 3.5803 |
| #2 | 5.4350 | 3.1484 | -.00425 | .00440 | -.00438 | .0297 | .14971 | 3.9085 |

Sample Name: J6129-09      Acquired: 12/1/2018 0:02:24      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.7833  
Stddev      .7424  
%RSD      41.628

#1      1.2584  
#2      2.3083

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4169.7 | 53225. | 3934.4 | 78.581 | 4417.3 |
| Stddev    | 6.7    | 978.   | 229.7  | 4.236  | 5.9    |
| %RSD      | .16067 | 1.8378 | 5.8377 | 5.3906 | .13307 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4174.5 | 53917. | 4096.8 | 81.577 | 4421.4 |
| #2 | 4165.0 | 52533. | 3772.0 | 75.586 | 4413.1 |

Sample Name: J6129-10      Acquired: 12/1/2018 0:06:27      Type: Unk  
Method: P4-ICP2(v2618)      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 | -.00067 | .00117 | .00398 | -.00332 | .01404 | .01818 | .00006 |
| Stddev | .00145 | .00038  | .00034 | .00263 | .00023  | .00035 | .00092 | .00002 |
| %RSD   | 115.15 | 57.628  | 29.295 | 66.099 | 6.7984  | 2.4947 | 5.0400 | 26.789 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00228 | -.00040 | .00093 | .00212 | -.00348 | .01429 | .01754 | .00005 |
| #2 | .00023 | -.00094 | .00141 | .00584 | -.00316 | .01380 | .01883 | .00008 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | 28.169 | -.00019 | -.00003 | .00087 | .03927 | .00242 | 9.3769 |
| Stddev | .00002  | .865   | .00016  | .00008  | .00017 | .00585 | .00012 | .2512  |
| %RSD   | 63.946  | 3.0721 | 85.305  | 250.09  | 18.943 | 14.887 | 4.9695 | 2.6793 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00001 | 27.557 | -.00007 | .00003  | .00099 | .03514 | .00251 | 9.1992 |
| #2 | -.00004 | 28.781 | -.00030 | -.00009 | .00076 | .04341 | .00234 | 9.5546 |

|        |         |         |        |        |         |        |         |        |
|--------|---------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00115 | -.00009 | 50.951 | .00015 | -.00065 | 2.7885 | -.00009 | .00701 |
| Stddev | .00029  | .00028  | 1.028  | .00041 | .00001  | .0548  | .00007  | .00885 |
| %RSD   | 25.141  | 318.72  | 2.0168 | 264.58 | .88999  | 1.9667 | 83.313  | 126.10 |

|    |         |         |        |         |         |        |         |        |
|----|---------|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.00095 | -.00028 | 50.224 | -.00013 | -.00066 | 2.7497 | -.00014 | .00076 |
| #2 | -.00136 | .00011  | 51.677 | .00044  | -.00065 | 2.8273 | -.00004 | .01327 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.6005 | 3.1016 | -.00428 | .00304 | -.00560 | .0291  | .14776 | 3.3481 |
| Stddev | .0401  | .0454  | .00035  | .00347 | .00192  | .0009  | .00484 | .8414  |
| %RSD   | .71689 | 1.4633 | 8.0806  | 113.89 | 34.351  | 3.071  | 3.2790 | 25.130 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 5.5721 | 3.0695 | -.00452 | .00059 | -.00424 | .0285 | .14433 | 3.9430 |
| #2 | 5.6289 | 3.1337 | -.00403 | .00550 | -.00696 | .0297 | .15118 | 2.7531 |



Sample Name: J6129-10      Acquired: 12/1/2018 0:06:27      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.6646  
 Stddev      .3089  
 %RSD      18.555

#1      1.8830  
 #2      1.4462

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4165.0 | 54000. | 3815.2 | 76.968 | 4405.0 |
| Stddev    | 12.2   | 2575.  | 87.8   | 1.242  | 18.7   |
| %RSD      | .29208 | 4.7692 | 2.3008 | 1.6141 | .42478 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4173.6 | 52179. | 3877.3 | 77.847 | 4418.2 |
| #2 | 4156.4 | 55821. | 3753.1 | 76.090 | 4391.8 |

Sample Name: J6129-11      Acquired: 12/1/2018 0:10:31      Type: Unk  
Method: P4-ICP2(v2618)      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 | .00022 | .00013 | .00191 | -.00274 | .00861 | .01801 | .00014 |
| Stddev | .00127 | .00046 | .00141 | .00015 | .00152  | .01159 | .00108 | .00006 |
| %RSD   | 1059.0 | 205.08 | 1073.1 | 7.6412 | 55.428  | 134.61 | 6.0196 | 42.160 |

|    |         |         |         |        |         |        |        |        |
|----|---------|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00078 | .00055  | .00113  | .00181 | -.00382 | .01681 | .01878 | .00010 |
| #2 | .00102  | -.00010 | -.00087 | .00202 | -.00167 | .00041 | .01725 | .00018 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00010 | 27.708 | -.00038 | -.00016 | .00059 | .04761 | .00234 | 9.0408 |
| Stddev | .00008  | .018   | .00015  | .00023  | .00039 | .00950 | .00008 | .0286  |
| %RSD   | 76.899  | .06547 | 39.875  | 142.69  | 66.485 | 19.946 | 3.2399 | .31615 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00005 | 27.695 | -.00049 | .00000  | .00087 | .05432 | .00239 | 9.0206 |
| #2 | -.00016 | 27.721 | -.00027 | -.00032 | .00031 | .04089 | .00229 | 9.0610 |

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00142 | -.00005 | 48.851 | .00061 | -.00017 | 2.6971 | .00017 | .01397 |
| Stddev | .00042  | .00098  | .127   | .00011 | .00005  | .0071  | .00041 | .00032 |
| %RSD   | 29.545  | 1825.4  | .25903 | 17.823 | 30.103  | .26449 | 241.53 | 2.2713 |

|    |         |         |        |        |         |        |         |        |
|----|---------|---------|--------|--------|---------|--------|---------|--------|
| #1 | -.00172 | -.00075 | 48.761 | .00069 | -.00014 | 2.6921 | -.00012 | .01420 |
| #2 | -.00113 | .00064  | 48.940 | .00053 | -.00021 | 2.7022 | .00046  | .01375 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.4768 | 3.0381 | -.00429 | .00160 | -.00609 | .0301  | .14401 | 3.1962 |
| Stddev | .0495  | .0013  | .00012  | .00074 | .00111  | .0019  | .00011 | .5116  |
| %RSD   | .90421 | .04334 | 2.7860  | 45.963 | 18.266  | 6.184  | .07908 | 16.007 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 5.5118 | 3.0390 | -.00420 | .00108 | -.00530 | .0315 | .14393 | 3.5580 |
| #2 | 5.4418 | 3.0371 | -.00437 | .00212 | -.00688 | .0288 | .14409 | 2.8344 |

Sample Name: J6129-11      Acquired: 12/1/2018 0:10:31      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.3122  
 Stddev      .2080  
 %RSD      15.848

#1      1.4593  
 #2      1.1652

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4188.7 | 55087. | 3869.5 | 76.612 | 4432.3 |
| Stddev    | 27.3   | 1336.  | 19.1   | .211   | 35.3   |
| %RSD      | .65245 | 2.4248 | .49238 | .27531 | .79684 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4169.3 | 54143. | 3883.0 | 76.463 | 4407.3 |
| #2 | 4208.0 | 56032. | 3856.0 | 76.761 | 4457.3 |

Sample Name: J6129-12      Acquired: 12/1/2018 0:14:35      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00418 | -.00035 | .00045 | -.00004 | -.00299 | .01174 | .01776 | .00011 |
| Stddev | .00049 | .00050  | .00010 | .00002  | .00013  | .00335 | .00029 | .00004 |
| %RSD   | 11.658 | 142.19  | 22.347 | 44.588  | 4.5185  | 28.539 | 1.6070 | 33.341 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00383 | .00000  | .00038 | -.00003 | -.00289 | .00937 | .01796 | .00014 |
| #2 | .00452 | -.00071 | .00052 | -.00005 | -.00308 | .01410 | .01756 | .00009 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00012 | 27.962 | -.00032 | -.00003 | .00098 | .05256 | .00246 | 10.052 |
| Stddev | .00006  | .033   | .00001  | .00028  | .00001 | .00275 | .00006 | .062   |
| %RSD   | 52.723  | .11704 | 4.6550  | 923.72  | 1.2884 | 5.2399 | 2.2416 | .61314 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00007 | 27.985 | -.00031 | -.00023 | .00099 | .05061 | .00250 | 10.095 |
| #2 | -.00016 | 27.939 | -.00033 | .00017  | .00097 | .05450 | .00242 | 10.008 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00119 | .00017 | 57.473 | .00013 | -.00046 | 3.0384 | .00005 | .01321 |
| Stddev | .00029  | .00009 | .217   | .00011 | .00004  | .0160  | .00019 | .00717 |
| %RSD   | 24.385  | 49.686 | .37672 | 80.174 | 9.5799  | .52672 | 341.41 | 54.261 |

|    |         |        |        |        |         |        |         |        |
|----|---------|--------|--------|--------|---------|--------|---------|--------|
| #1 | -.00140 | .00011 | 57.319 | .00006 | -.00043 | 3.0498 | -.00008 | .00814 |
| #2 | -.00099 | .00023 | 57.626 | .00021 | -.00049 | 3.0271 | .00019  | .01828 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.2104 | 3.0689 | -.00429 | .00497 | -.00678 | .0301  | .15058 | 3.7401 |
| Stddev | .0086  | .0256  | .00082  | .00221 | .00068  | .0002  | .00016 | .0104  |
| %RSD   | .13809 | .83300 | 19.013  | 44.561 | 10.032  | .7729  | .10401 | .27703 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 6.2165 | 3.0508 | -.00372 | .00340 | -.00726 | .0299 | .15069 | 3.7475 |
| #2 | 6.2044 | 3.0869 | -.00487 | .00653 | -.00630 | .0303 | .15047 | 3.7328 |

Sample Name: J6129-12      Acquired: 12/1/2018 0:14:35      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.6003  
 Stddev      .7675  
 %RSD      47.964

#1      1.0575  
 #2      2.1430

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4145.8 | 53106. | 3866.6 | 75.987 | 4369.2 |
| Stddev    | 1.3    | 149.   | 20.0   | 1.113  | 6.2    |
| %RSD      | .03248 | .28081 | .51825 | 1.4647 | .14167 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4146.7 | 53211. | 3880.8 | 75.200 | 4373.5 |
| #2 | 4144.8 | 53001. | 3852.5 | 76.774 | 4364.8 |

Sample Name: J6129-13      Acquired: 12/1/2018 0:18:38      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00083 | .00034 | -.00013 | .00126 | -.00325 | .00751 | .01774 | .00005 |
| Stddev | .00249 | .00078 | .00008  | .00139 | .00066  | .00371 | .00135 | .00002 |
| %RSD   | 300.55 | 228.98 | 59.838  | 110.40 | 20.224  | 49.400 | 7.6279 | 39.618 |

|    |         |         |         |        |         |        |        |        |
|----|---------|---------|---------|--------|---------|--------|--------|--------|
| #1 | .00259  | -.00021 | -.00018 | .00225 | -.00279 | .00488 | .01870 | .00007 |
| #2 | -.00093 | .00089  | -.00007 | .00028 | -.00372 | .01013 | .01678 | .00004 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00009 | 28.080 | -.00068 | -.00002 | .00110 | .04781 | .00236 | 10.387 |
| Stddev | .00004  | .013   | .00017  | .00010  | .00025 | .00004 | .00002 | .079   |
| %RSD   | 46.887  | .04588 | 24.997  | 456.50  | 22.455 | .08901 | .75315 | .76205 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00006 | 28.071 | -.00056 | -.00009 | .00093 | .04784 | .00237 | 10.331 |
| #2 | -.00012 | 28.089 | -.00080 | .00005  | .00128 | .04778 | .00234 | 10.442 |

|        |         |         |        |        |         |        |         |        |
|--------|---------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00140 | -.00013 | 60.054 | .00040 | -.00059 | 3.1113 | -.00002 | .01455 |
| Stddev | .00010  | .00036  | .209   | .00012 | .00007  | .0473  | .00018  | .01502 |
| %RSD   | 7.2221  | 286.52  | .34877 | 28.829 | 11.532  | 1.5210 | 869.00  | 103.25 |

|    |         |         |        |        |         |        |         |        |
|----|---------|---------|--------|--------|---------|--------|---------|--------|
| #1 | -.00147 | .00013  | 60.202 | .00049 | -.00064 | 3.1448 | -.00015 | .00393 |
| #2 | -.00133 | -.00038 | 59.906 | .00032 | -.00055 | 3.0779 | .00011  | .02517 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.4115 | 3.0480 | -.00460 | .00261 | -.00597 | .0320  | .15379 | 3.5220 |
| Stddev | .0162  | .0340  | .00010  | .00029 | .00122  | .0006  | .00062 | .0854  |
| %RSD   | .25270 | 1.1139 | 2.2332  | 11.082 | 20.438  | 1.891  | .40304 | 2.4260 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 6.4000 | 3.0720 | -.00467 | .00281 | -.00683 | .0324 | .15422 | 3.4616 |
| #2 | 6.4230 | 3.0240 | -.00453 | .00240 | -.00510 | .0316 | .15335 | 3.5824 |

Sample Name: J6129-13      Acquired: 12/1/2018 0:18:38      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.9517  
 Stddev      .8095  
 %RSD      41.475

#1      2.5241  
 #2      1.3793

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4166.4 | 53667. | 3887.3 | 79.140 | 4389.8 |
| Stddev    | 13.6   | 5.     | 11.3   | 2.179  | 8.1    |
| %RSD      | .32736 | .00904 | .29027 | 2.7529 | .18350 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4176.0 | 53670. | 3879.3 | 77.599 | 4395.5 |
| #2 | 4156.7 | 53664. | 3895.3 | 80.680 | 4384.1 |

Sample Name: J6129-14      Acquired: 12/1/2018 0:22:42      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00181 | .00016 | .00054 | .00109 | -.00376 | -.00796 | .01787 | .00008 |
| Stddev | .00268 | .00022 | .00026 | .00075 | .00134  | .00174  | .00106 | .00000 |
| %RSD   | 148.45 | 138.64 | 47.123 | 68.536 | 35.681  | 21.838  | 5.9455 | .46510 |

|    |         |        |        |        |         |         |        |        |
|----|---------|--------|--------|--------|---------|---------|--------|--------|
| #1 | .00370  | .00031 | .00072 | .00161 | -.00281 | -.00919 | .01712 | .00008 |
| #2 | -.00009 | .00000 | .00036 | .00056 | -.00471 | -.00673 | .01863 | .00008 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00000 | 28.086 | -.00087 | -.00001 | .00115 | .03311 | .00231 | 10.375 |
| Stddev | .00002  | .040   | .00049  | .00001  | .00034 | .01332 | .00004 | .046   |
| %RSD   | 1088.9  | .14191 | 55.854  | 125.81  | 30.070 | 40.214 | 1.8423 | .44662 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00001  | 28.114 | -.00053 | -.00000 | .00090 | .02370 | .00234 | 10.408 |
| #2 | -.00002 | 28.057 | -.00121 | -.00001 | .00139 | .04253 | .00228 | 10.342 |

|        |         |         |        |        |         |        |        |         |
|--------|---------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00130 | -.00017 | 60.634 | .00009 | -.00042 | 3.1440 | .00006 | -.00103 |
| Stddev | .00020  | .00005  | .059   | .00019 | .00013  | .0037  | .00008 | .00112  |
| %RSD   | 15.721  | 31.022  | .09689 | 216.56 | 31.076  | .11937 | 118.54 | 109.29  |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.00144 | -.00013 | 60.593 | -.00005 | -.00033 | 3.1413 | .00012 | -.00182 |
| #2 | -.00115 | -.00020 | 60.676 | .00023  | -.00051 | 3.1466 | .00001 | -.00023 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.5015 | 3.0241 | -.00455 | .00273 | -.00564 | .0311  | .15274 | 3.4977 |
| Stddev | .0009  | .0018  | .00026  | .00194 | .00026  | .0013  | .00037 | .1171  |
| %RSD   | .01317 | .05775 | 5.8144  | 70.957 | 4.5247  | 4.086  | .24254 | 3.3476 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 6.5021 | 3.0253 | -.00474 | .00410 | -.00546 | .0320 | .15248 | 3.4149 |
| #2 | 6.5009 | 3.0228 | -.00437 | .00136 | -.00582 | .0302 | .15300 | 3.5805 |



Sample Name: J6129-14      Acquired: 12/1/2018 0:22:42      Type: Unk  
 Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.6904  
 Stddev      .2203  
 %RSD      13.032

#1      1.8461  
 #2      1.5346

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4157.5 | 53788. | 3888.5 | 77.347 | 4375.2 |
| Stddev    | 1.8    | 367.   | 13.7   | 2.397  | 5.2    |
| %RSD      | .04321 | .68290 | .35279 | 3.0991 | .11990 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4158.8 | 54047. | 3898.2 | 79.042 | 4371.4 |
| #2 | 4156.3 | 53528. | 3878.8 | 75.652 | 4378.9 |

Sample Name: CCV14      Acquired: 12/1/2018 0:26:46      Type: Unk  
Method: P4-ICP2(v2618)      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    | 4.9491 | 4.7855 | 4.7949 | 4.8495 | 4.9650 | 9.8560 | 9.8309 | .24791   |
| Stddev | .0034  | .0416  | .0415  | .0080  | .0006  | .2394  | .0036  | .00015   |
| %RSD   | .06771 | .87016 | .86615 | .16531 | .01241 | 2.4284 | .03686 | .05870   |
| #1     | 4.9468 | 4.7560 | 4.7656 | 4.8552 | 4.9645 | 10.025 | 9.8335 | .24781   |
| #2     | 4.9515 | 4.8149 | 4.8243 | 4.8438 | 4.9654 | 9.6868 | 9.8283 | .24801   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3933 | 25.421 | 1.0177 | 2.4097 | 1.2342 | 4.6184 | 2.5152 | 24.075   |
| Stddev | .0178  | .195   | .0067  | .0190  | .0011  | .1892  | .0081  | .146     |
| %RSD   | .74329 | .76576 | .65813 | .78869 | .08847 | 4.0960 | .32225 | .60631   |
| #1     | 2.3807 | 25.558 | 1.0224 | 2.3963 | 1.2350 | 4.4846 | 2.5210 | 24.178   |
| #2     | 2.4059 | 25.283 | 1.0129 | 2.4232 | 1.2335 | 4.7522 | 2.5095 | 23.972   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3683 | 1.1950 | 24.360 | 2.4117 | 2.4738 | 23.836 | 4.8679 | 4.8357   |
| Stddev | .0156  | .0056  | .079   | .0131  | .1248  | .007   | .0031  | .0995    |
| %RSD   | .65819 | .47045 | .32549 | .54422 | 5.0457 | .03054 | .06275 | 2.0569   |
| #1     | 2.3573 | 1.1990 | 24.416 | 2.4210 | 2.3856 | 23.830 | 4.8701 | 4.9060   |
| #2     | 2.3793 | 1.1911 | 24.304 | 2.4024 | 2.5621 | 23.841 | 4.8658 | 4.7653   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.5663 | 4.8107 | 4.6919 | 4.8440 | 4.9007 | 4.732  | 5.0681 | F 4.4314 |
| Stddev | .0317  | .0663  | .0225  | .0371  | .0104  | .029   | .0040  | .1256    |
| %RSD   | .69416 | 1.3782 | .47877 | .76512 | .21224 | .6057  | .07807 | 2.8345   |
| #1     | 4.5439 | 4.7638 | 4.6760 | 4.8702 | 4.9081 | 4.712  | 5.0653 | 4.5202   |
| #2     | 4.5887 | 4.8576 | 4.7078 | 4.8178 | 4.8934 | 4.753  | 5.0708 | 4.3426   |

Sample Name: CCV14      Acquired: 12/1/2018 0:26:46      Type: Unk  
Method: P4-ICP2(v2618)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.2231  
Stddev      .7947  
%RSD      35.748

#1      1.6612  
#2      2.7850

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3984.3 | 51471. | 3741.8 | 73.713 | 4020.7 |
| Stddev    | .7     | 374.   | 28.0   | 3.639  | 26.0   |
| %RSD      | .01631 | .72592 | .74850 | 4.9370 | .64760 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3983.8 | 51207. | 3761.6 | 76.287 | 4039.1 |
| #2 | 3984.8 | 51735. | 3722.0 | 71.140 | 4002.3 |

Sample Name: CCB14      Acquired: 12/1/2018 0:30:32      Type: Unk  
Method: P4-ICP2(v2618)      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    | .00069 | .00057 | F .00311 | .00272 | -.00033 | -.01065 | .00564 |
| Stddev | .00256 | .00086 | .00026   | .00061 | .00172  | .00706  | .00081 |
| %RSD   | 371.72 | 150.66 | 8.3419   | 22.559 | 528.01  | 66.324  | 14.424 |

|    |         |         |        |        |         |         |        |
|----|---------|---------|--------|--------|---------|---------|--------|
| #1 | .00250  | .00117  | .00329 | .00229 | .00089  | -.01565 | .00622 |
| #2 | -.00112 | -.00004 | .00292 | .00315 | -.00154 | -.00566 | .00507 |

|        |        |        |         |         |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00003 | .00006 | -.00532 | -.00016 | .00011 | .00035 | .00410 |
| Stddev | .00003 | .00010 | .00827  | .00007  | .00025 | .00016 | .00516 |
| %RSD   | 76.268 | 164.56 | 155.57  | 45.190  | 223.45 | 45.755 | 125.88 |

|    |        |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00002 | -.00001 | -.01117 | -.00011 | .00029  | .00046 | .00775 |
| #2 | .00005 | .00013  | .00053  | -.00021 | -.00007 | .00024 | .00045 |

|        |        |         |         |        |        |         |         |
|--------|--------|---------|---------|--------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00022 | -.00707 | -.00058 | .00086 | .07764 | -.00042 | -.00048 |
| Stddev | .00002 | .03645  | .00027  | .00022 | .00104 | .00017  | .00006  |
| %RSD   | 10.861 | 515.25  | 46.415  | 25.846 | 1.3352 | 41.085  | 12.200  |

|    |        |         |         |        |        |         |         |
|----|--------|---------|---------|--------|--------|---------|---------|
| #1 | .00024 | -.03285 | -.00039 | .00102 | .07691 | -.00030 | -.00044 |
| #2 | .00021 | .01870  | -.00077 | .00070 | .07838 | -.00055 | -.00053 |

|        |        |        |         |           |        |         |        |
|--------|--------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .01706 | .00049 | -.01847 | F -.14288 | .00340 | -.00107 | .00334 |
| Stddev | .00353 | .00014 | .00955  | .00207    | .00049 | .00043  | .00219 |
| %RSD   | 20.715 | 28.093 | 51.687  | 1.4499    | 14.532 | 40.457  | 65.363 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .01457 | .00059 | -.01172 | -.14142 | .00305 | -.00076 | .00180 |
| #2 | .01956 | .00039 | -.02522 | -.14435 | .00375 | -.00138 | .00489 |

Sample Name: CCB14      Acquired: 12/1/2018 0:30:32      Type: Unk  
Method: P4-ICP2(v2618)      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    | -.00153 | -.0019 | -.00005 | F 3.3149 | F<.00000 |
| Stddev | .00144  | .0001  | .00011  | .0674    | .01688   |
| %RSD   | 94.105  | 4.542  | 201.99  | 2.0336   | 148.42   |

|    |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|
| #1 | -.00254 | -.0019 | -.00013 | 3.3625 | -.02332 |
| #2 | -.00051 | -.0020 | .00002  | 3.2672 | .00056  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4159.3 | 54389. | 3742.5 | 75.911 | 4576.9 |
| Stddev    | 5.5    | 108.   | 31.3   | 2.112  | 13.0   |
| %RSD      | .13318 | .19905 | .83666 | 2.7818 | .28313 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4163.2 | 54312. | 3720.4 | 74.418 | 4586.0 |
| #2 | 4155.4 | 54465. | 3764.7 | 77.405 | 4567.7 |