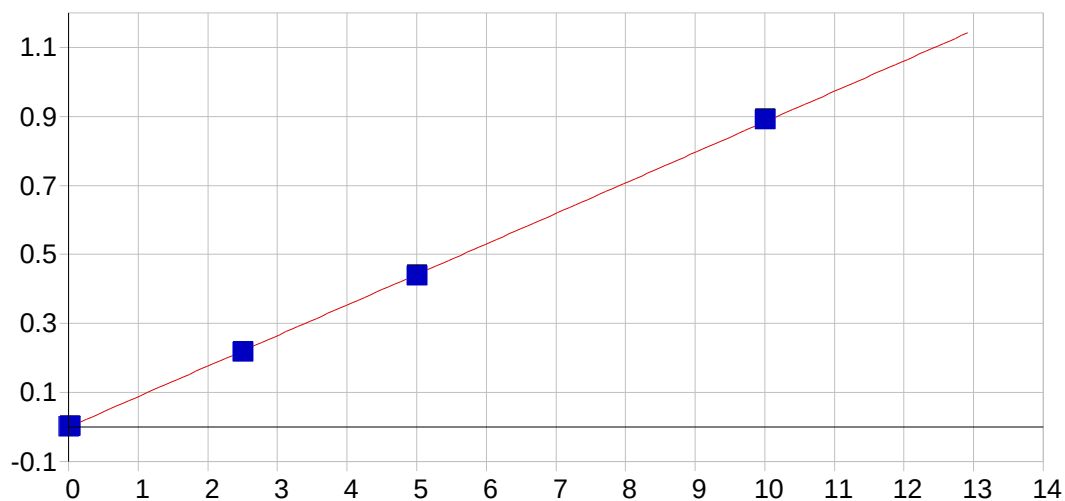


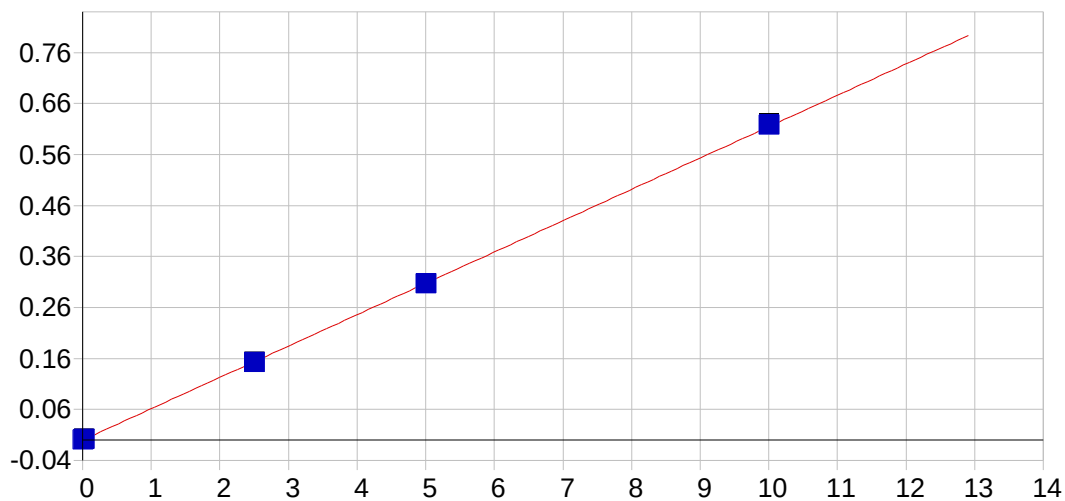


As 189.042 {478}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000262 Re-Slope: 1.000000  
 A1 (Gain): 0.088445 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999958 Status: OK.  
 Std Error of Est: 0.000020  
 Predicted MDL: 0.002804  
 Predicted MQL: 0.009346

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00026 | .000    | 1        |
| S1        | .02000       | .02175      | .002       | 8.77    | .00166  | .000    | 1        |
| S3        | 2.5000       | 2.4645      | -.035      | -1.42   | .21770  | .000    | 1        |
| S4        | 5.0000       | 4.9615      | -.039      | -.770   | .43853  | .001    | 1        |
| S5        | 10.000       | 10.072      | .072       | .723    | .89052  | .001    | 1        |



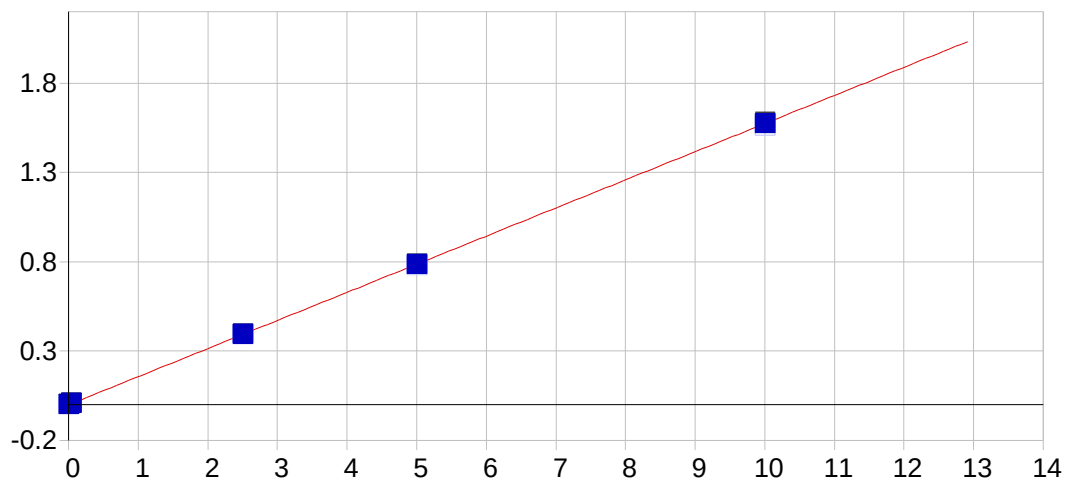
As 189.042 {479}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000062 Re-Slope: 1.000000

A1 (Gain): 0.061469 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999972 Status: OK.  
 Std Error of Est: 0.000011  
 Predicted MDL: 0.002625  
 Predicted MQL: 0.008751

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00006 | .000    | 1        |
| S1        | .02000       | .02052      | .001       | 2.59    | .00132 | .000    | 1        |
| S3        | 2.5000       | 2.4640      | -.036      | -1.44   | .15152 | .000    | 1        |
| S4        | 5.0000       | 4.9765      | -.024      | -.471   | .30597 | .000    | 1        |
| S5        | 10.000       | 10.059      | .059       | .590    | .61839 | .002    | 1        |

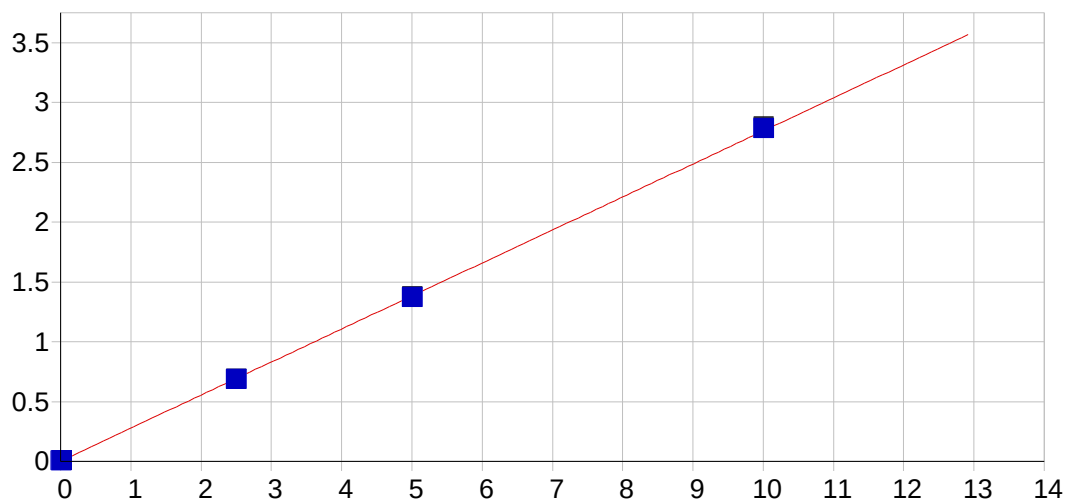


TI 190.856 {477}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000665 Re-Slope: 1.000000  
 A1 (Gain): 0.157448 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999986 Status: OK.  
 Std Error of Est: 0.000028  
 Predicted MDL: 0.001228  
 Predicted MQL: 0.004094

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00067 | .000    | 1        |
| S1        | .04000       | .04432      | .004       | 10.8    | .00615  | .000    | 1        |
| S3        | 2.5000       | 2.5031      | .003       | .124    | .38941  | .002    | 1        |
| S4        | 5.0000       | 4.9952      | -.005      | -.096   | .77774  | .000    | 1        |
| S5        | 10.000       | 9.9974      | -.003      | -.026   | 1.5573  | .005    | 1        |

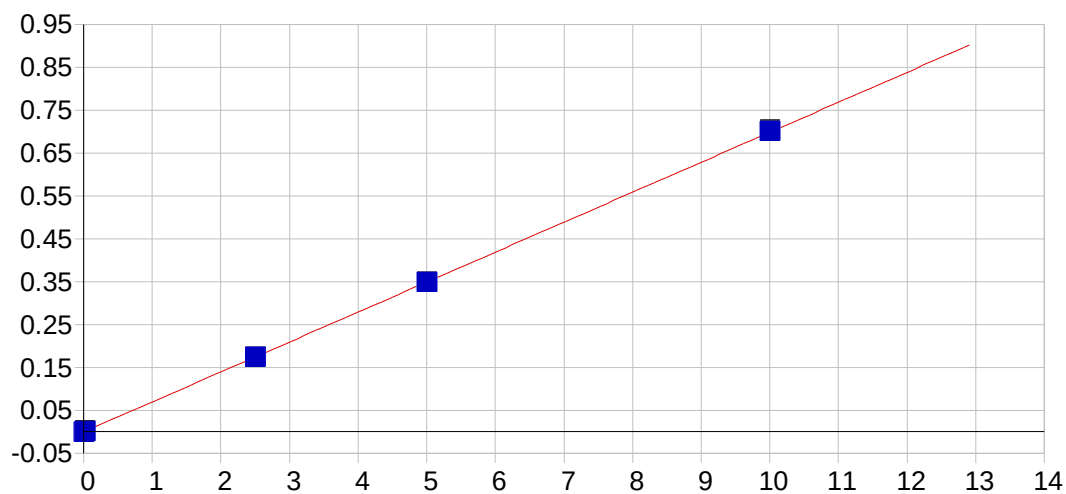


Pb 220.353 {453}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002912 Re-Slope: 1.000000  
 A1 (Gain): 0.275905 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999960 Status: OK.  
 Std Error of Est: 0.000046  
 Predicted MDL: 0.001075  
 Predicted MQL: 0.003584

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00291 | .000    | 1        |
| S1        | .01200       | .01240      | .000       | 3.33    | .00627 | .000    | 1        |
| S3        | 2.5000       | 2.4676      | -.032      | -1.30   | .68278 | .002    | 1        |
| S4        | 5.0000       | 4.9558      | -.044      | -.884   | 1.3683 | .002    | 1        |
| S5        | 10.000       | 10.076      | .076       | .762    | 2.7792 | .011    | 1        |



Se 196.090 {472}

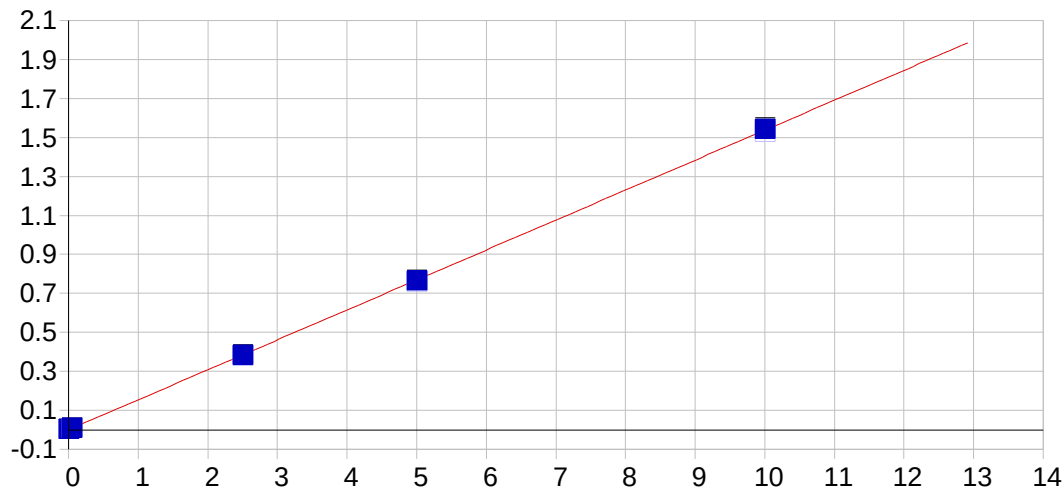
Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000109 Re-Slope: 1.000000  
 A1 (Gain): 0.069873 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999992  
 Std Error of Est: 0.000007  
 Predicted MDL: 0.003240  
 Predicted MQL: 0.010799

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00011 | .000    | 1        |
| S1        | .02000       | .01987      | -.000      | -.665   | .00128  | .000    | 1        |
| S3        | 2.5000       | 2.4841      | -.016      | -.637   | .17342  | .001    | 1        |
| S4        | 5.0000       | 4.9815      | -.019      | -.370   | .34788  | .000    | 1        |
| S5        | 10.000       | 10.035      | .035       | .346    | .70088  | .002    | 1        |

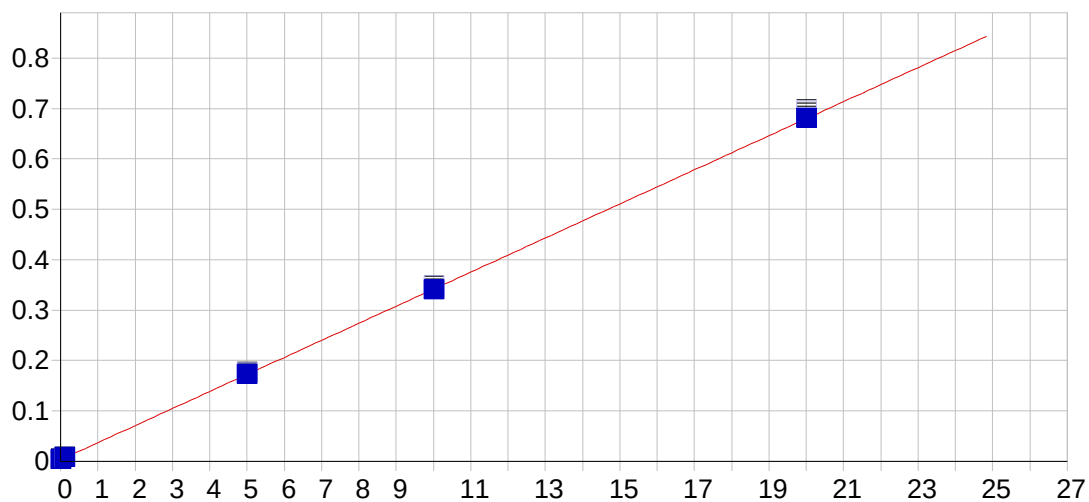


Sb 206.833 {463}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000241 Re-Slope: 1.000000  
 A1 (Gain): 0.153700 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999972 Status: OK.  
 Std Error of Est: 0.000044  
 Predicted MDL: 0.001799  
 Predicted MQL: 0.005996

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00024 | .000    | 1        |
| S1        | .05000       | .05520      | .005       | 10.4    | .00853 | .000    | 1        |
| S3        | 2.5000       | 2.4814      | -.019      | -.744   | .37731 | .001    | 1        |
| S4        | 5.0000       | 4.9739      | -.026      | -.521   | .75610 | .003    | 1        |
| S5        | 10.000       | 10.040      | .040       | .395    | 1.5260 | .005    | 1        |

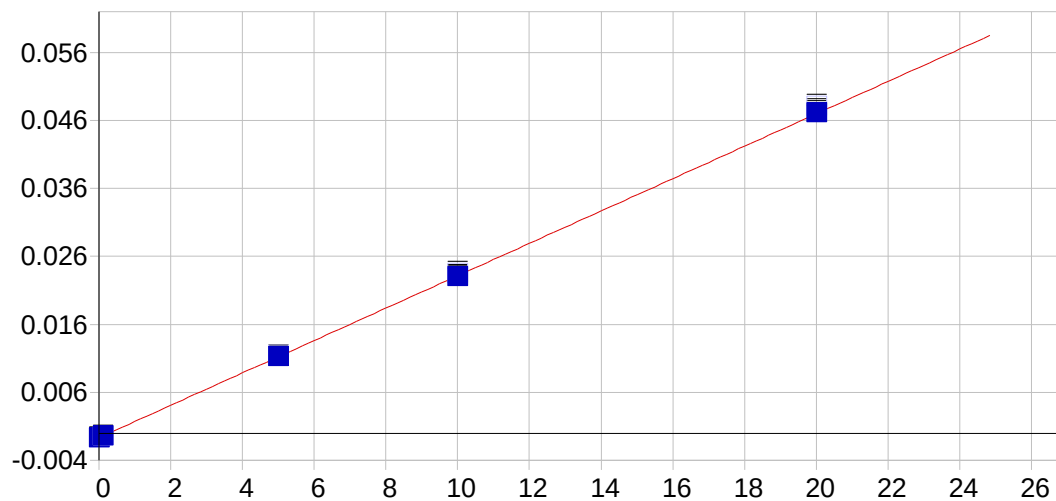


AI 308.215 {109}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003362 Re-Slope: 1.000000  
 A1 (Gain): 0.033824 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999987 Status: OK.  
 Std Error of Est: 0.000014  
 Predicted MDL: 0.003435  
 Predicted MQL: 0.011449

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00336 | .000    | 1        |
| S1        | .10000       | .10935      | .009       | 9.35    | .00730 | .000    | 1        |
| S3        | 5.0000       | 4.9906      | -.009      | -.187   | .17553 | .001    | 1        |
| S4        | 10.000       | 9.9779      | -.022      | -.221   | .34759 | .001    | 1        |
| S5        | 20.000       | 20.022      | .022       | .108    | .69405 | .003    | 1        |



AI 309.271 {109}

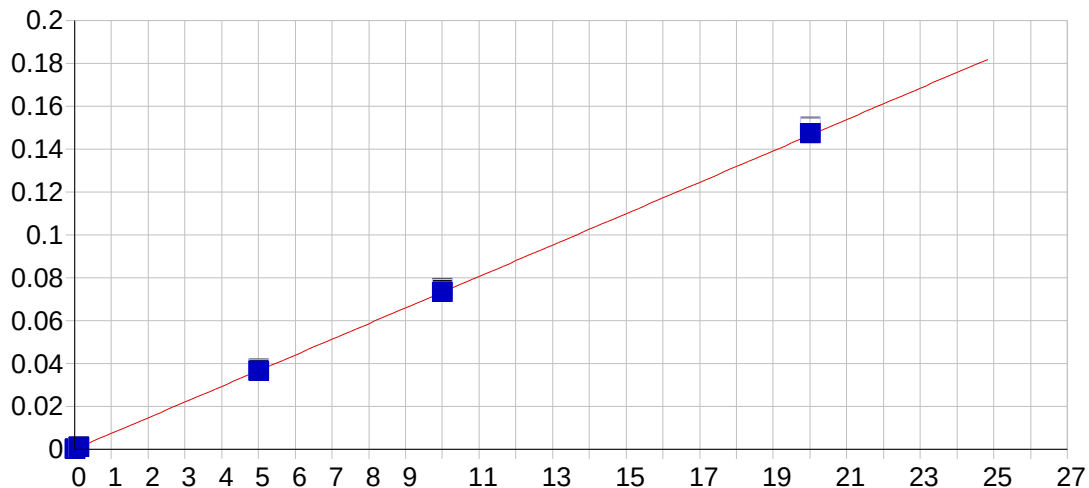
Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000673 Re-Slope: 1.000000  
 A1 (Gain): 0.002382 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999983  
 Std Error of Est: 0.000001  
 Predicted MDL: 0.032831  
 Predicted MQL: 0.109435

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00067 | .000    | 1        |
| S1        | .10000       | .10900      | .009       | 9.00    | -.00040 | .000    | 1        |
| S3        | 5.0000       | 4.9886      | -.011      | -.228   | .01145  | .000    | 1        |
| S4        | 10.000       | 9.9476      | -.052      | -.524   | .02350  | .000    | 1        |
| S5        | 20.000       | 20.054      | .054       | .272    | .04804  | .000    | 1        |

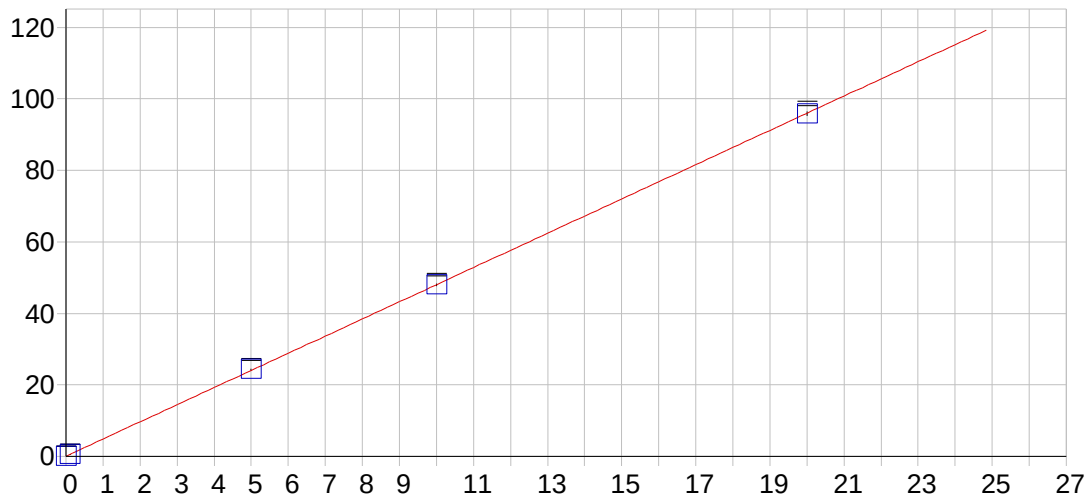


AI 396.152 { 85}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000072 Re-Slope: 1.000000  
 A1 (Gain): 0.007322 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999987 Status: OK.  
 Std Error of Est: 0.000003  
 Predicted MDL: 0.014665  
 Predicted MQL: 0.048884

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00007 | .000    | 1        |
| S1        | .10000       | .09841      | -.002      | -1.59   | .00084 | .000    | 1        |
| S3        | 5.0000       | 4.9508      | -.049      | -.984   | .03705 | .000    | 1        |
| S4        | 10.000       | 9.9672      | -.033      | -.328   | .07451 | .001    | 1        |
| S5        | 20.000       | 20.084      | .084       | .418    | .15003 | .000    | 1        |

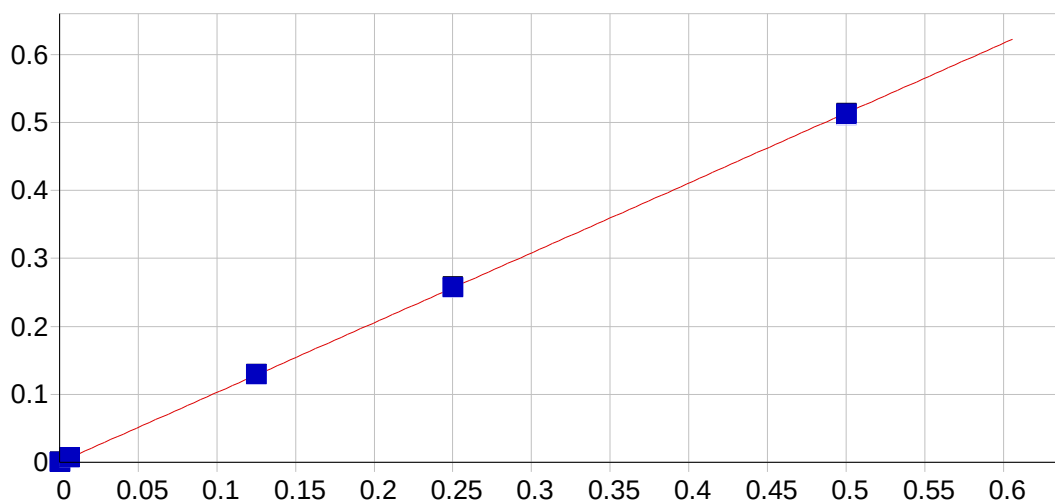


Ba 493.409 { 68}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.076160 Re-Slope: 1.000000  
 A1 (Gain): 4.795150 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999983 Status: OK.  
 Std Error of Est: 0.002127  
 Predicted MDL: 0.000794  
 Predicted MQL: 0.002646

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .07612 | .001    | 1        |
| S1        | .10000       | .10856      | .009       | 8.56    | .59672 | .006    | 1        |
| S3        | 5.0000       | 5.0425      | .042       | .850    | 24.256 | .241    | 1        |
| S5        | 20.000       | 19.966      | -.034      | -.171   | 95.816 | .579    | 1        |
| S4        | 10.000       | 9.9831      | -.017      | -.169   | 47.946 | .299    | 1        |



Be 234.861 {144}

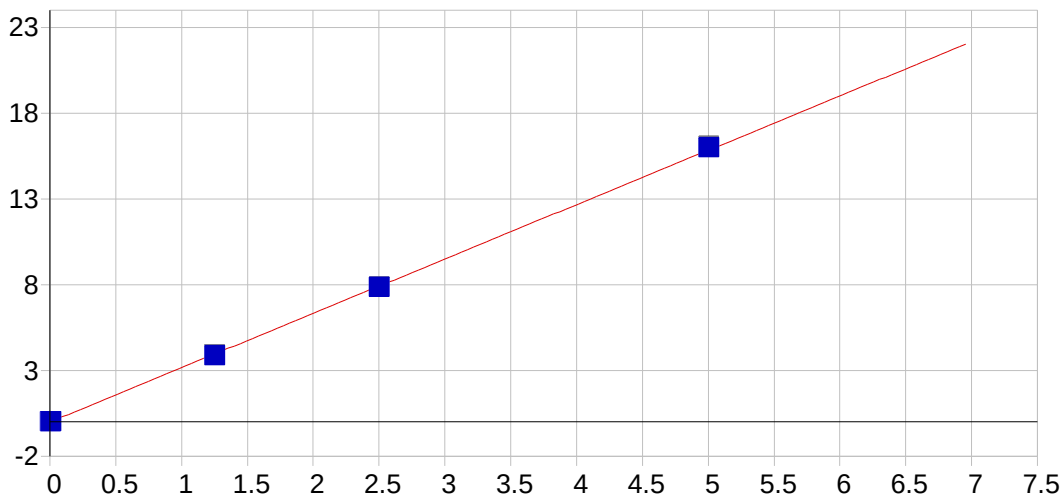
Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000065 Re-Slope: 1.000000  
 A1 (Gain): 1.026990 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999988  
 Std Error of Est: 0.000015  
 Predicted MDL: 0.000072  
 Predicted MQL: 0.000241

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00006 | .000    | 1        |
| S1        | .00600       | .00631      | .000       | 5.10    | .00648 | .000    | 1        |
| S3        | .12500       | .12543      | .000       | .342    | .12807 | .000    | 1        |
| S4        | .25000       | .25044      | .000       | .175    | .25565 | .000    | 1        |
| S5        | .50000       | .49883      | -.001      | -.234   | .50913 | .001    | 1        |



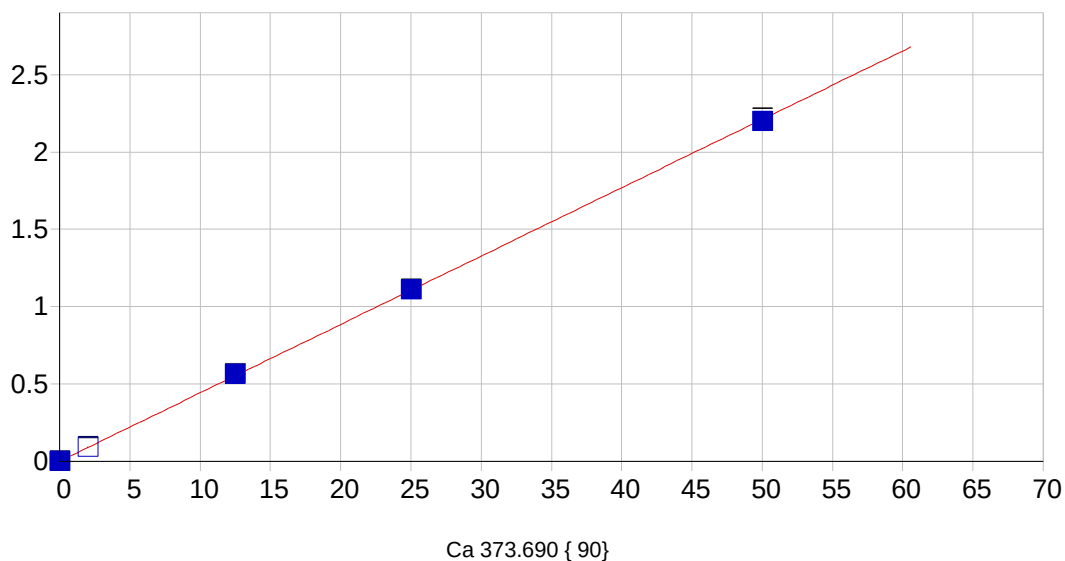
Cd 226.502 {449}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000644 Re-Slope: 1.000000  
 A1 (Gain): 3.167281 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999926 Status: OK.  
 Std Error of Est: 0.000361  
 Predicted MDL: 0.000098  
 Predicted MQL: 0.000328

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00064 | .000    | 1        |
| S1        | .00600       | .00581      | -.000      | -3.16   | .01779  | .001    | 1        |
| S3        | 1.2500       | 1.2235      | -.026      | -2.12   | 3.8755  | .015    | 1        |
| S4        | 2.5000       | 2.4763      | -.024      | -.946   | 7.8445  | .019    | 1        |
| S5        | 5.0000       | 5.0503      | .050       | 1.01    | 15.999  | .046    | 1        |

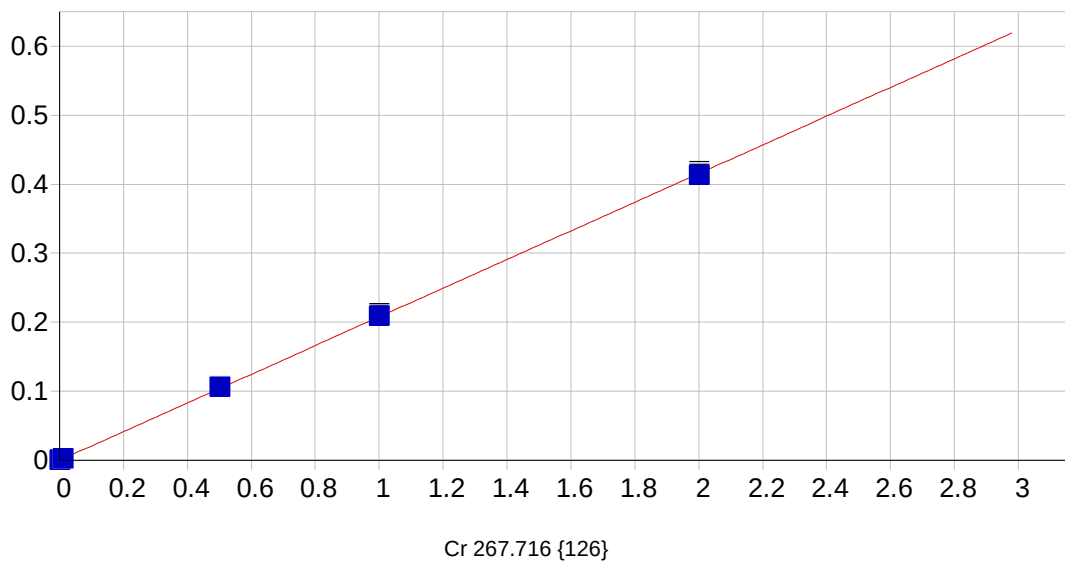




Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000889 Re-Slope: 1.000000  
 A1 (Gain): 0.044203 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999956 Status: OK.  
 Std Error of Est: 0.000228  
 Predicted MDL: 0.021036  
 Predicted MQL: 0.070121

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.0329      | .033       | 1.65    | .09075 | .002    | 1        |
| S0        | .00000       | -.00006     | -.000      | .000    | .00089 | .000    | 1        |
| S3        | 12.500       | 12.745      | .245       | 1.96    | .56454 | .001    | 1        |
| S4        | 25.000       | 25.071      | .071       | .283    | 1.1097 | .001    | 1        |
| S5        | 50.000       | 49.652      | -.348      | -.697   | 2.1968 | .020    | 1        |



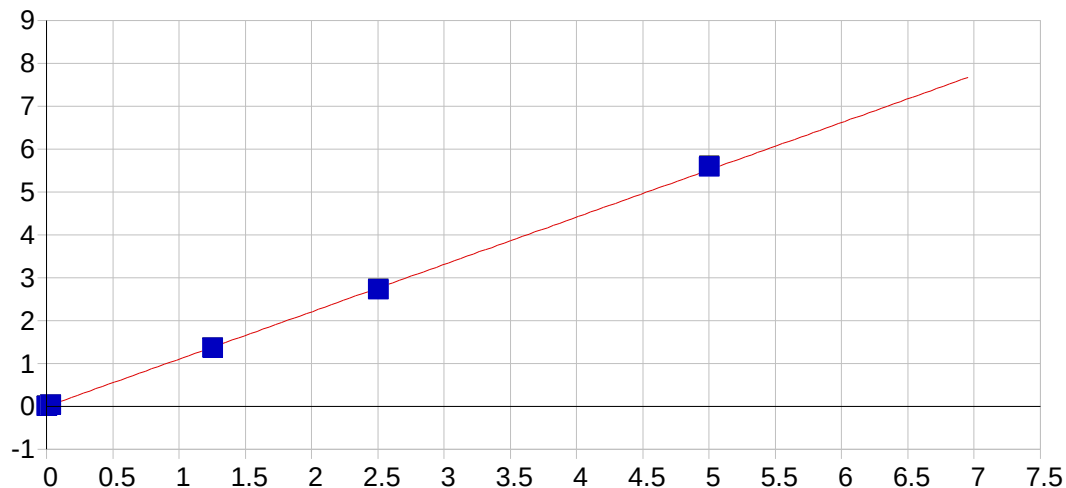
Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000069 Re-Slope: 1.000000  
 A1 (Gain): 0.207720 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999963  
 Std Error of Est: 0.000014  
 Predicted MDL: 0.000473  
 Predicted MQL: 0.001576

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00007 | .000    | 1        |
| S1        | .01000       | .01042      | .000       | 4.17    | .00224 | .000    | 1        |
| S3        | .50000       | .50726      | .007       | 1.45    | .10621 | .000    | 1        |
| S4        | 1.0000       | 1.0063      | .006       | .631    | .21065 | .001    | 1        |
| S5        | 2.0000       | 1.9860      | -.014      | -.699   | .41571 | .002    | 1        |

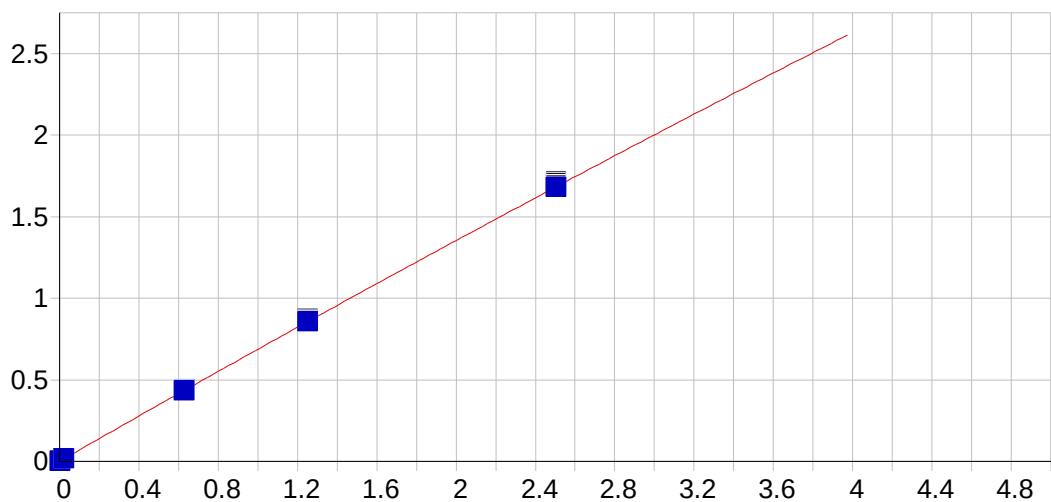


Co 228.616 {447}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000106 Re-Slope: 1.000000  
 A1 (Gain): 1.103441 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999898 Status: OK.  
 Std Error of Est: 0.000330  
 Predicted MDL: 0.000258  
 Predicted MQL: 0.000859

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00010 | .000    | 1        |
| S1        | .03000       | .03285      | .003       | 9.49    | .03613 | .001    | 1        |
| S3        | 1.2500       | 1.2243      | -.026      | -2.06   | 1.3521 | .010    | 1        |
| S4        | 2.5000       | 2.4684      | -.032      | -1.27   | 2.7260 | .006    | 1        |
| S5        | 5.0000       | 5.0545      | .055       | 1.09    | 5.5818 | .020    | 1        |

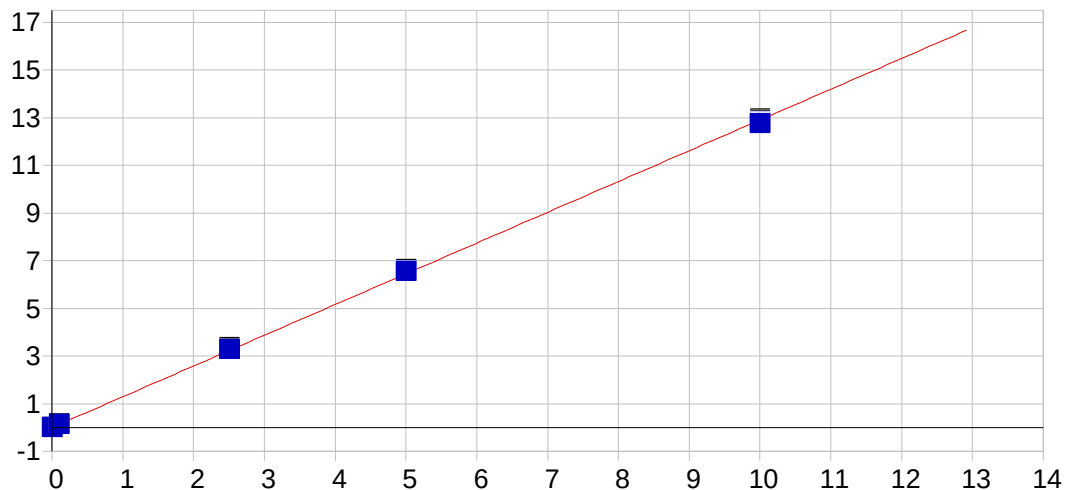


Cu 224.700 {450}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.001200 Re-Slope: 1.000000  
 A1 (Gain): 0.695579 Y-int: 0.000000  
 A2 (Curvature): -0.009642  
 n (Exponent): 1.000000  
 Correlation: 0.999999 Status: OK.  
 Std Error of Est: 0.000012  
 Predicted MDL: 0.000529  
 Predicted MQL: 0.001764

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00120 | .000    | 1        |
| S1        | .02000       | .02003      | .000       | .165    | .01535 | .000    | 1        |
| S3        | .62500       | .62635      | .001       | .216    | .44012 | .000    | 1        |
| S4        | 1.2500       | 1.2479      | -.002      | -.170   | .86823 | .001    | 1        |
| S5        | 2.5000       | 2.5007      | .001       | .030    | 1.7085 | .005    | 1        |



Fe 240.488 {140}

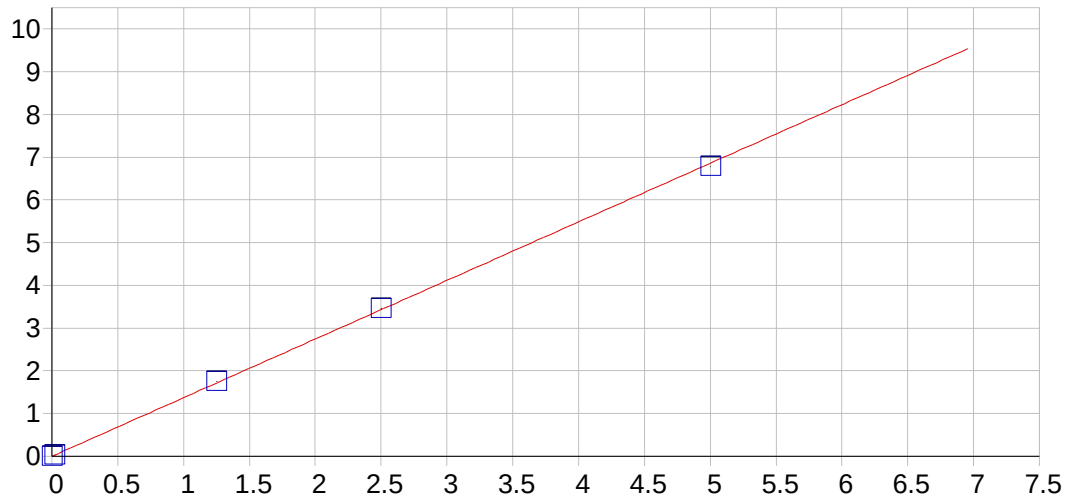
Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004290 Re-Slope: 1.000000  
 A1 (Gain): 1.290371 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999898  
 Std Error of Est: 0.001004  
 Predicted MDL: 0.009438  
 Predicted MQL: 0.031459

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00430 | .008    | 1        |
| S1        | .10000       | .10877      | .009       | 8.77    | .13669  | .011    | 1        |
| S3        | 2.5000       | 2.5303      | .030       | 1.21    | 3.2769  | .064    | 1        |
| S4        | 5.0000       | 5.0764      | .076       | 1.53    | 6.5787  | .045    | 1        |
| S5        | 10.000       | 9.8845      | -.115      | -1.15   | 12.815  | .133    | 1        |

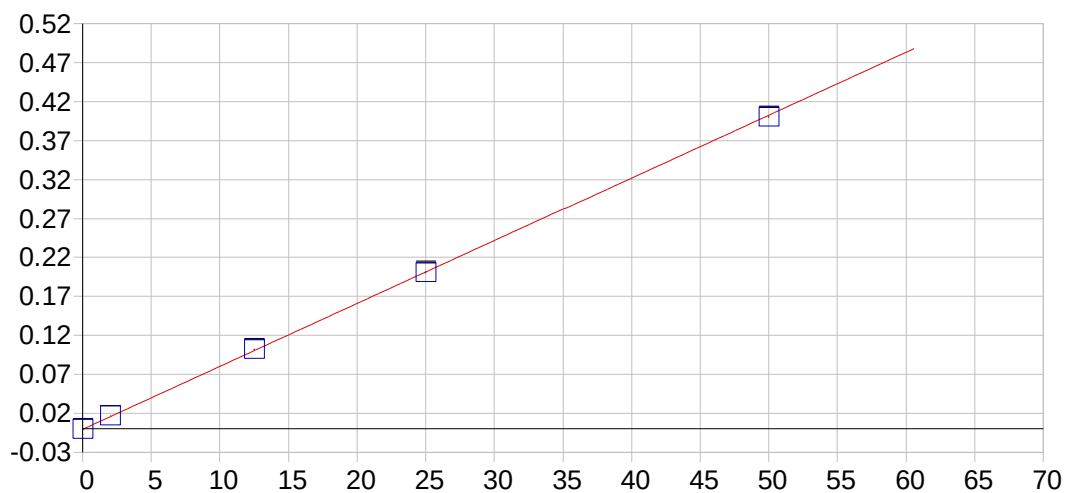


Mn 257.610 {131}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000546 Re-Slope: 1.000000  
 A1 (Gain): 1.371515 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999893 Status: OK.  
 Std Error of Est: 0.000342  
 Predicted MDL: 0.000068  
 Predicted MQL: 0.000226

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00054 | .000    | 1        |
| S1        | .02000       | .02280      | .003       | 14.0    | .03182 | .000    | 1        |
| S3        | 1.2500       | 1.2782      | .028       | 2.25    | 1.7536 | .002    | 1        |
| S4        | 2.5000       | 2.5242      | .024       | .969    | 3.4625 | .003    | 1        |
| S5        | 5.0000       | 4.9448      | -.055      | -1.10   | 6.7824 | .010    | 1        |

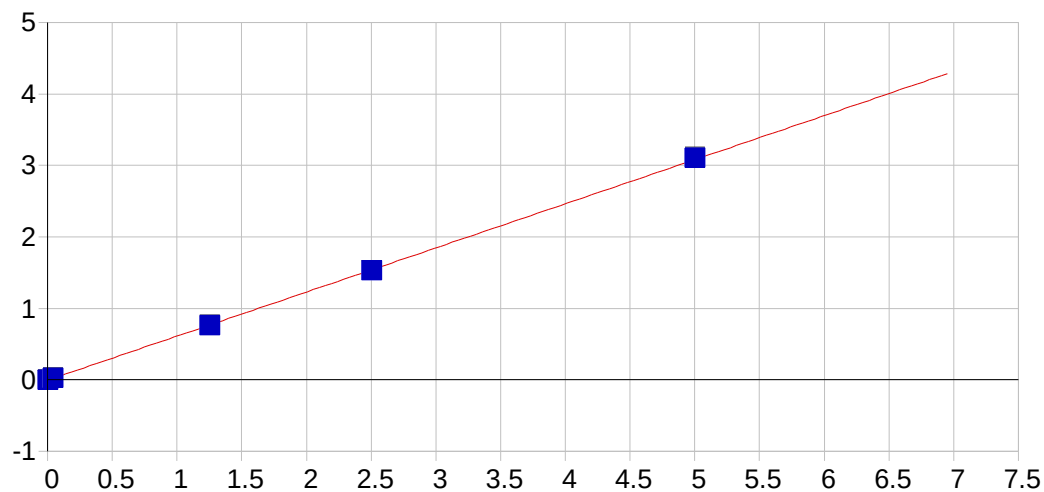


Mg 279.079 {121}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000162 Re-Slope: 1.000000  
 A1 (Gain): 0.008055 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999944 Status: OK.  
 Std Error of Est: 0.000046  
 Predicted MDL: 0.053350  
 Predicted MQL: 0.177833

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.1032      | .103       | 5.16    | .01678  | .000    | 1        |
| S0        | .00000       | -.00012     | -.000      | .000    | -.00016 | .001    | 1        |
| S3        | 12.500       | 12.697      | .197       | 1.58    | .10211  | .001    | 1        |
| S4        | 25.000       | 24.975      | -.025      | -.100   | .20100  | .001    | 1        |
| S5        | 50.000       | 49.725      | -.275      | -.551   | .40035  | .001    | 1        |



Ni 231.604 {445}

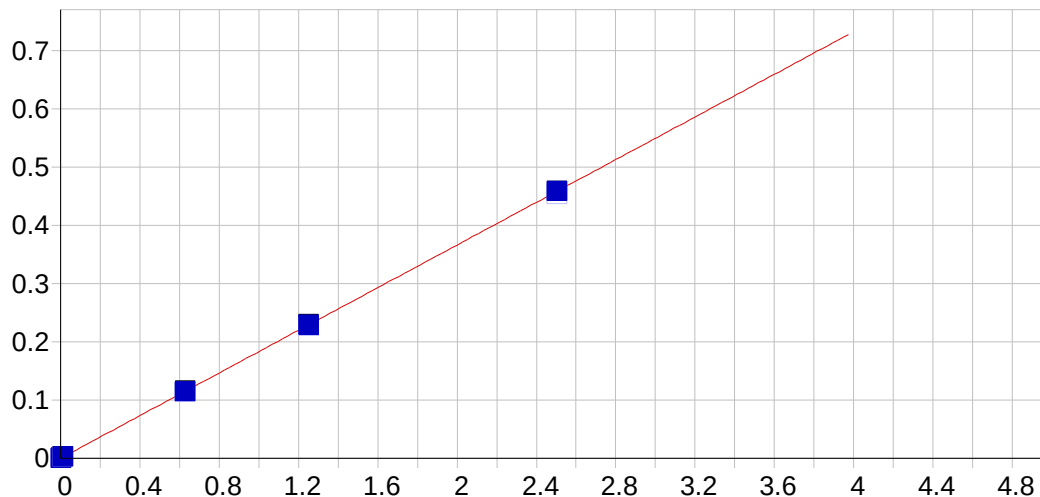
Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.005402 Re-Slope: 1.000000  
 A1 (Gain): 0.617145 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999960  
 Std Error of Est: 0.000133  
 Predicted MDL: 0.000483  
 Predicted MQL: 0.001610

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00540 | .000    | 1        |
| S1        | .04000       | .04342      | .003       | 8.56    | .02141  | .000    | 1        |
| S3        | 1.2500       | 1.2392      | -.011      | -.866   | .76020  | .005    | 1        |
| S4        | 2.5000       | 2.4798      | -.020      | -.807   | 1.5267  | .001    | 1        |
| S5        | 5.0000       | 5.0276      | .028       | .552    | 3.1007  | .009    | 1        |

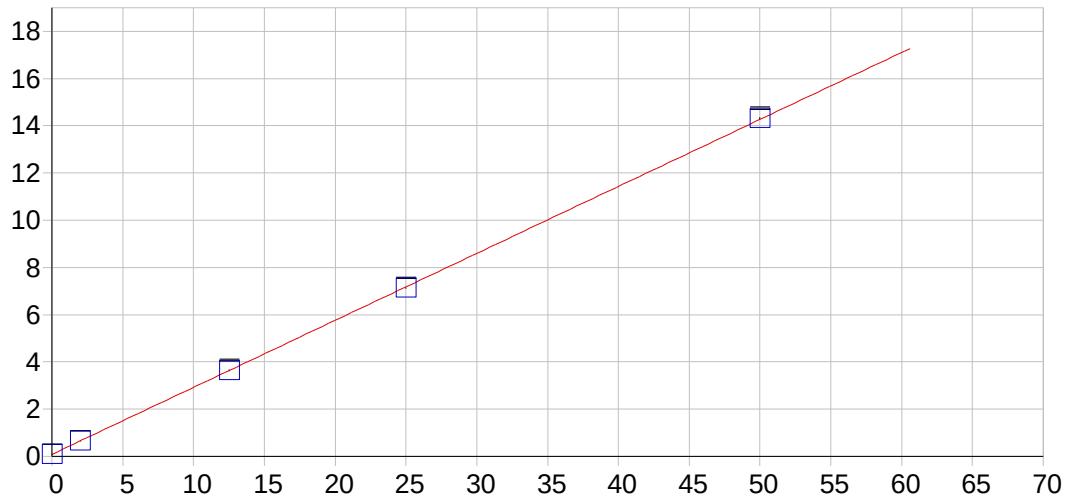


Ag 328.068 {103}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000040 Re-Slope: 1.000000  
 A1 (Gain): 0.183064 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999999 Status: OK.  
 Std Error of Est: 0.000002  
 Predicted MDL: 0.000739  
 Predicted MQL: 0.002463

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00004 | .000    | 1        |
| S1        | .01000       | .01025      | .000       | 2.49    | .00188 | .000    | 1        |
| S3        | .62500       | .62606      | .001       | .169    | .11335 | .000    | 1        |
| S4        | 1.2500       | 1.2494      | -.001      | -.048   | .22616 | .001    | 1        |
| S5        | 2.5000       | 2.4993      | -.001      | -.028   | .45238 | .000    | 1        |

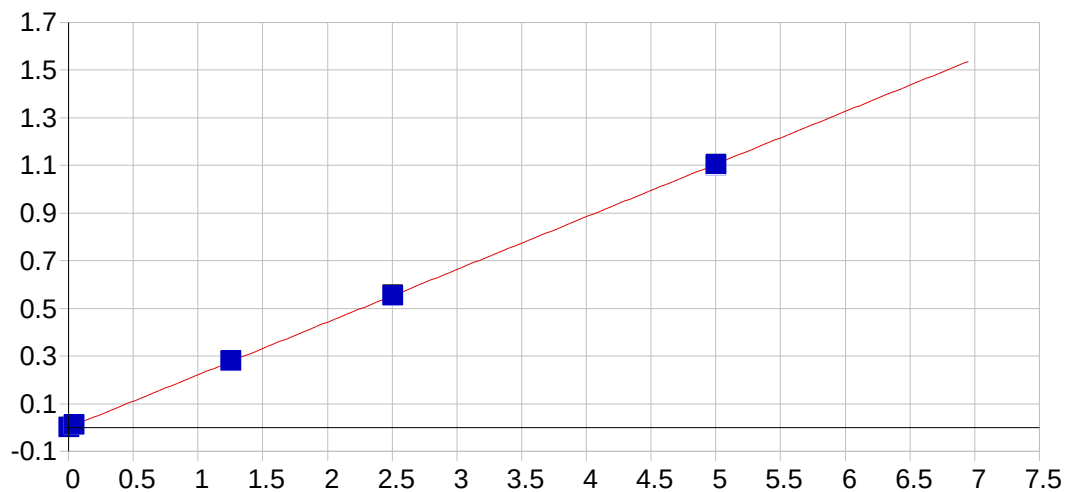


Na 589.592 { 57}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.087435 Re-Slope: 1.000000  
 A1 (Gain): 0.283689 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999990 Status: OK.  
 Std Error of Est: 0.000701  
 Predicted MDL: 0.011416  
 Predicted MQL: 0.038053

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 1.9854      | -.015      | -.729   | .65067 | .002    | 1        |
| S0        | .00000       | .00002      | .000       | .000    | .08744 | .002    | 1        |
| S3        | 12.500       | 12.526      | .026       | .208    | 3.6409 | .037    | 1        |
| S4        | 25.000       | 24.829      | -.171      | -.683   | 7.1313 | .029    | 1        |
| S5        | 50.000       | 50.159      | .159       | .319    | 14.317 | .048    | 1        |



V 292.402 {115}

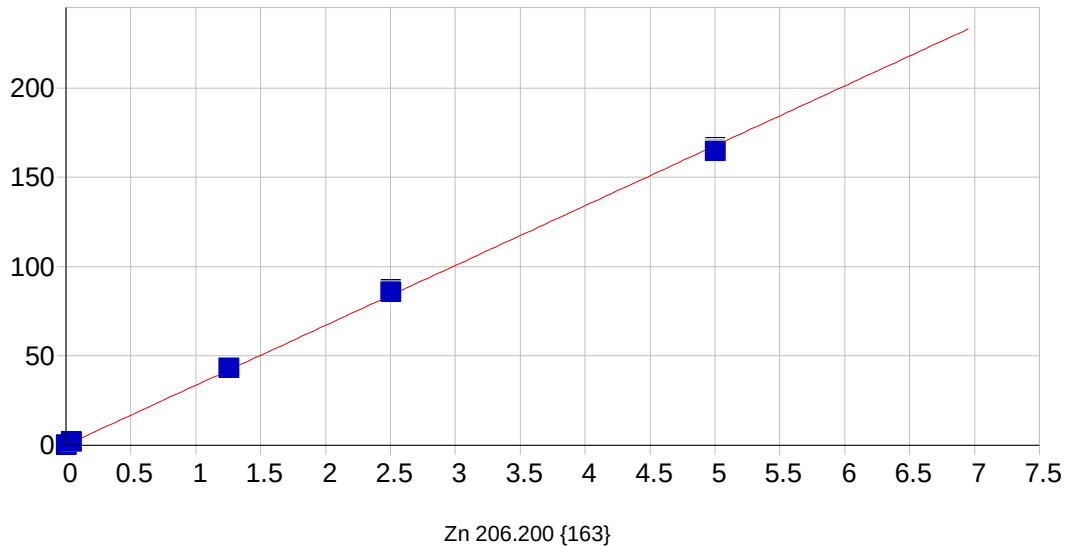
Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000112 Re-Slope: 1.000000  
 A1 (Gain): 0.221125 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999958  
 Std Error of Est: 0.000049  
 Predicted MDL: 0.000545  
 Predicted MQL: 0.001817

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00011 | .000    | 1        |
| S1        | .04000       | .04510      | .005       | 12.8    | .00972  | .000    | 1        |
| S3        | 1.2500       | 1.2555      | .005       | .437    | .27570  | .000    | 1        |
| S4        | 2.5000       | 2.5041      | .004       | .163    | .54999  | .001    | 1        |
| S5        | 5.0000       | 4.9854      | -.015      | -.292   | 1.0951  | .001    | 1        |



Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

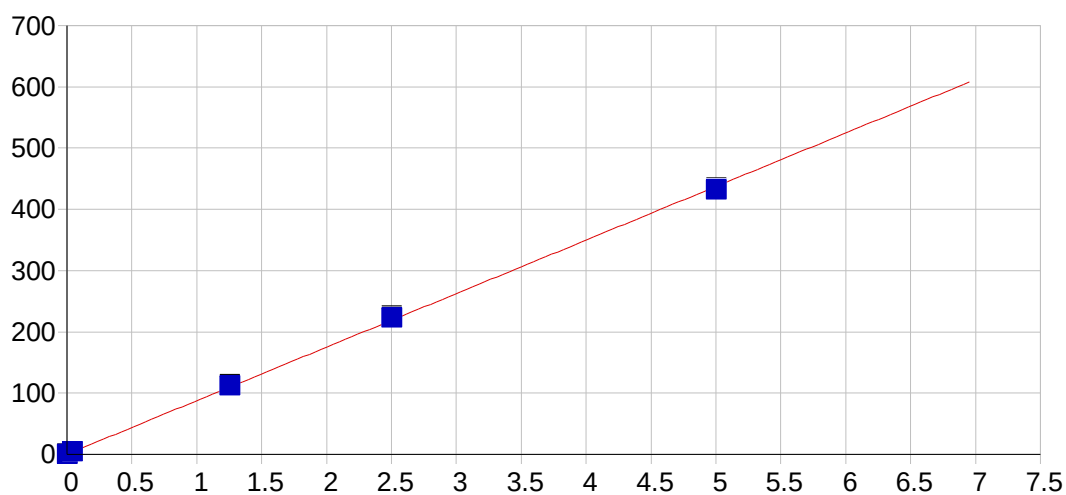
A0 (Offset): 0.123675  
 A1 (Gain): 33.504045  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999722  
 Std Error of Est: 0.019247  
 Predicted MDL: 0.000498  
 Predicted MQL: 0.001661

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    | .12342 | .016    | 1        |
| S1        | .04000       | .04628      | .006       | 15.7    | 1.6829 | .005    | 1        |
| S3        | 1.2500       | 1.2840      | .034       | 2.72    | 43.395 | .032    | 1        |
| S4        | 2.5000       | 2.5553      | .055       | 2.21    | 86.242 | .665    | 1        |
| S5        | 5.0000       | 4.9045      | -.096      | -1.91   | 165.46 | 1.03    | 1        |



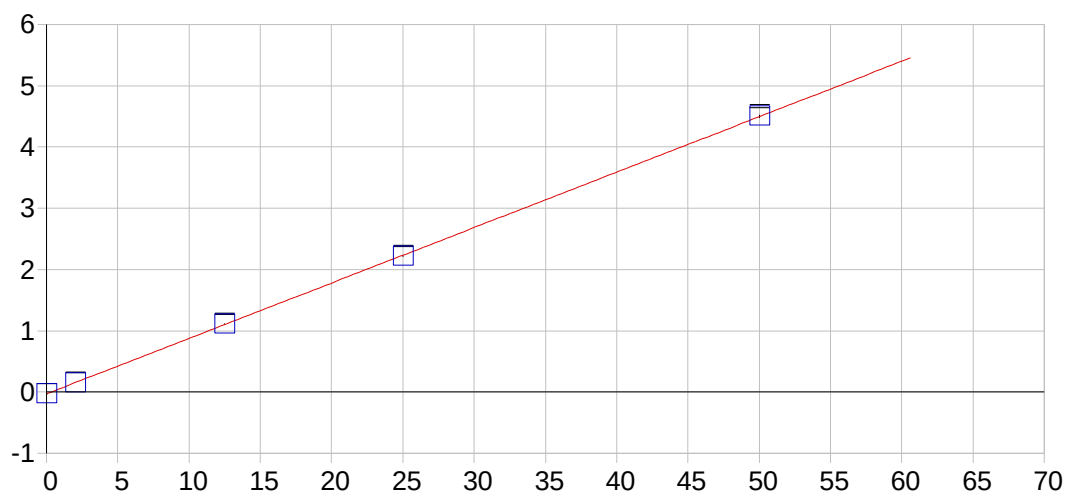


Zn 213.856 {458}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.247504 Re-Slope: 1.000000  
 A1 (Gain): 87.409583 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999834 Status: OK.  
 Std Error of Est: 0.038758  
 Predicted MDL: 0.000095  
 Predicted MQL: 0.000315

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .24695 | .015    | 1        |
| S1        | .04000       | .04549      | .005       | 13.7    | 4.2463 | .046    | 1        |
| S3        | 1.2500       | 1.2708      | .021       | 1.67    | 111.99 | 1.37    | 1        |
| S4        | 2.5000       | 2.5454      | .045       | 1.82    | 224.06 | 1.18    | 1        |
| S5        | 5.0000       | 4.9283      | -.072      | -1.43   | 433.67 | .835    | 1        |



K 766.490 {44}

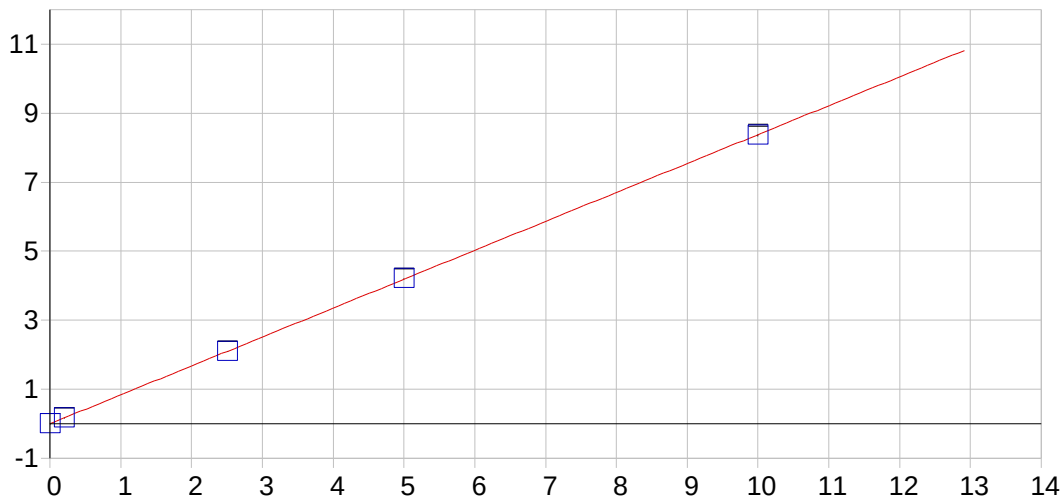
Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.029301 Re-Slope: 1.000000  
 A1 (Gain): 0.090478 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999991  
 Std Error of Est: 0.000208  
 Predicted MDL: 0.041088  
 Predicted MQL: 0.136959

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.0007      | .001       | .033    | .15171  | .003    | 1        |
| S0        | .00000       | -.00000     | -.000      | .000    | -.02930 | .001    | 1        |
| S3        | 12.500       | 12.554      | .054       | .432    | 1.1066  | .011    | 1        |
| S4        | 25.000       | 24.833      | -.167      | -.666   | 2.2176  | .014    | 1        |
| S5        | 50.000       | 50.112      | .112       | .224    | 4.5047  | .025    | 1        |



Mo 202.030 {467}

Date of Fit: 12/18/2018 14:52:45

Type of Fit: Linear

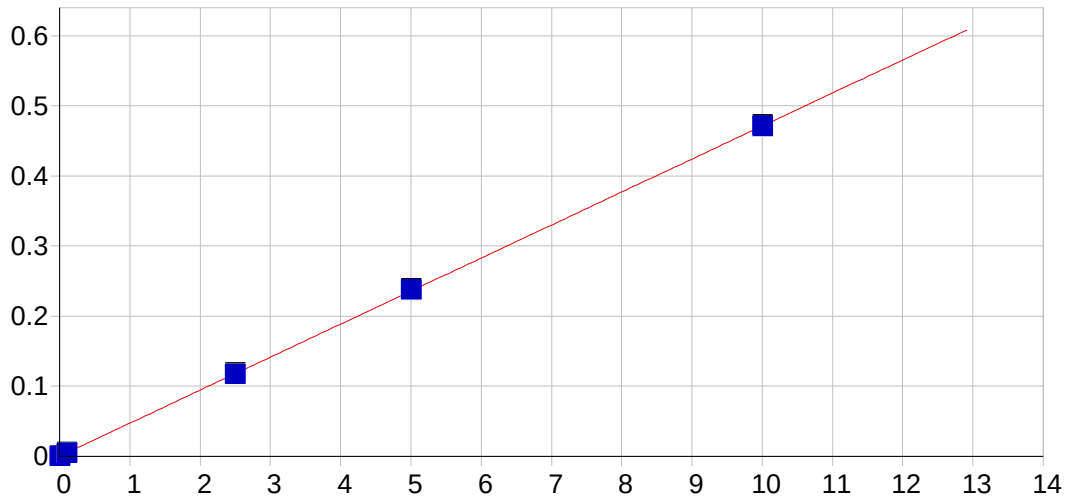
Weighting: 1/Conc

A0 (Offset): 0.000109  
 A1 (Gain): 0.837935  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999994  
 Std Error of Est: 0.000230  
 Predicted MDL: 0.000300  
 Predicted MQL: 0.000999

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    | .00011 | .000    | 1        |
| S1        | .20000       | .20391      | .004       | 1.96    | .17098 | .002    | 1        |
| S3        | 2.5000       | 2.5004      | .000       | .014    | 2.0952 | .006    | 1        |
| S4        | 5.0000       | 5.0208      | .021       | .416    | 4.2072 | .012    | 1        |
| S5        | 10.000       | 9.9749      | -.025      | -.251   | 8.3584 | .027    | 1        |

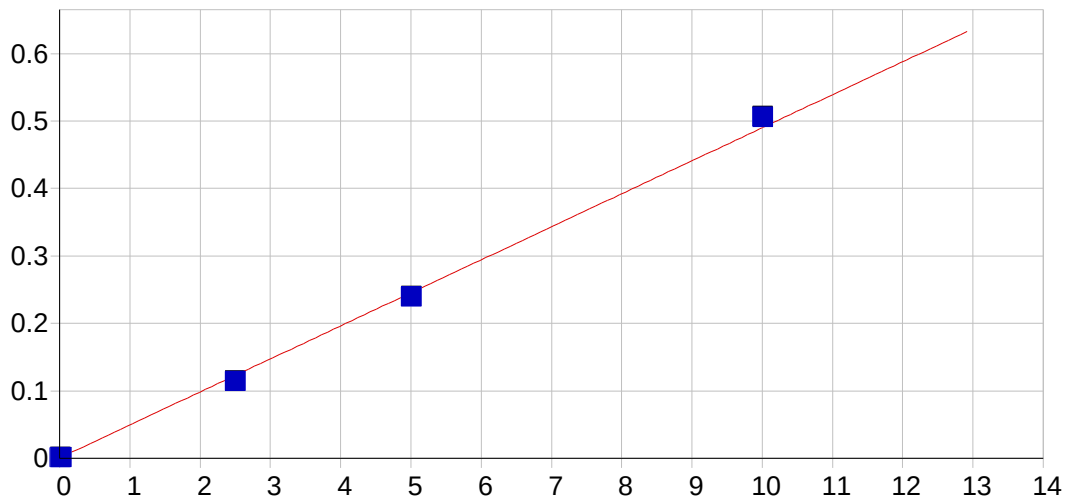


B 249.678 {135}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000302 Re-Slope: 1.000000  
 A1 (Gain): 0.047094 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999987 Status: OK.  
 Std Error of Est: 0.000013  
 Predicted MDL: 0.008951  
 Predicted MQL: 0.029837

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00030 | .000    | 1        |
| S1        | .10000       | .09745      | -.003      | -2.55   | .00487 | .000    | 1        |
| S3        | 2.5000       | 2.4791      | -.021      | -.838   | .11678 | .002    | 1        |
| S4        | 5.0000       | 5.0324      | .032       | .649    | .23675 | .002    | 1        |
| S5        | 10.000       | 9.9911      | -.009      | -.089   | .46972 | .002    | 1        |



S 182.034 {485}

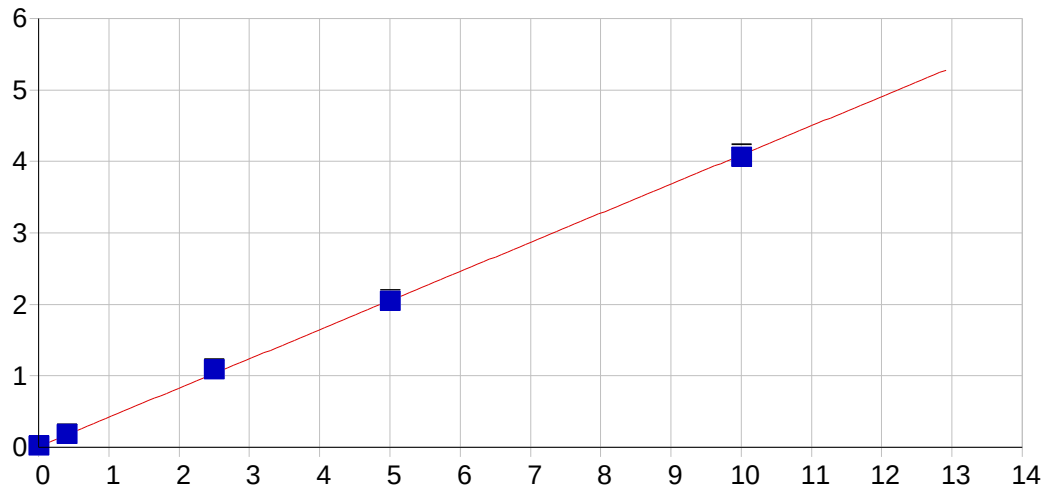
Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000562 Re-Slope: 1.000000  
 A1 (Gain): 0.048938 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999211  
 Std Error of Est: 0.000047  
 Predicted MDL: 0.003199  
 Predicted MQL: 0.010663

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00056 | .000    | 1        |
| S1        | .02000       | .01612      | -.004      | -19.4   | .00132 | .000    | 1        |
| S3        | 2.5000       | 2.3113      | -.189      | -7.55   | .11353 | .001    | 1        |
| S4        | 5.0000       | 4.8803      | -.120      | -2.39   | .23912 | .000    | 1        |
| S5        | 10.000       | 10.312      | .312       | 3.12    | .50467 | .002    | 1        |



Si 288.158 {117}

Date of Fit: 12/18/2018 14:52:45

Type of Fit: Linear

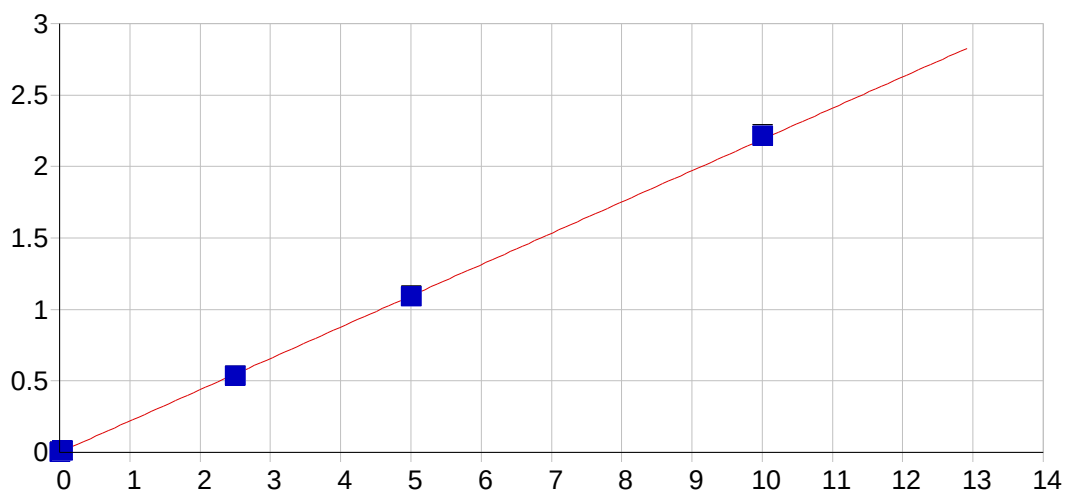
Weighting: 1/Conc

A0 (Offset): 0.013859  
 A1 (Gain): 0.407706  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999807  
 Std Error of Est: 0.000873  
 Predicted MDL: 0.002895  
 Predicted MQL: 0.009651

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    | .01385 | .000    | 1        |
| S1        | .40000       | .40092      | .001       | .231    | .17718 | .002    | 1        |
| S3        | 2.5000       | 2.6212      | .121       | 4.85    | 1.0820 | .006    | 1        |
| S4        | 5.0000       | 4.9667      | -.033      | -.666   | 2.0377 | .023    | 1        |
| S5        | 10.000       | 9.9111      | -.089      | -.889   | 4.0525 | .044    | 1        |

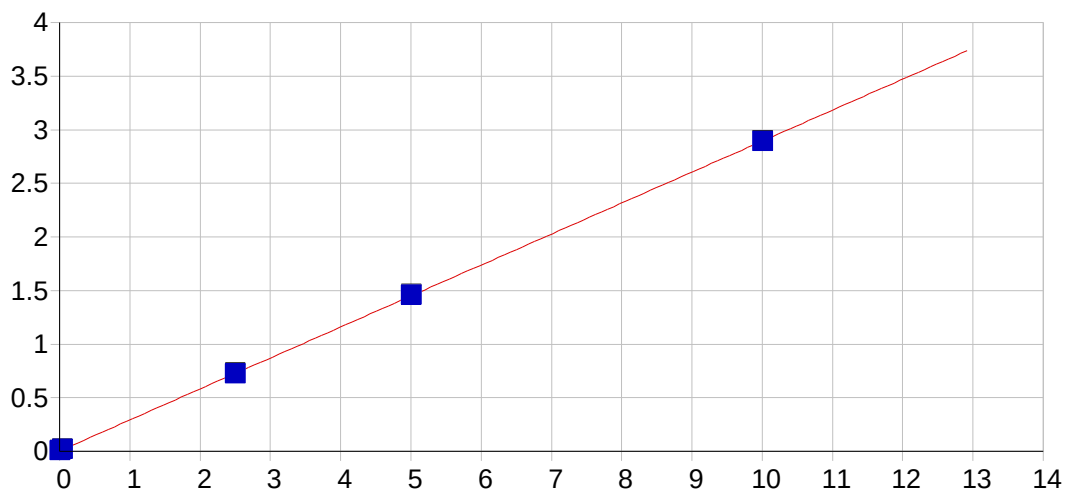


Sn 189.989 {477}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000731 Re-Slope: 1.000000  
 A1 (Gain): 0.218880 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999891 Status: OK.  
 Std Error of Est: 0.000110  
 Predicted MDL: 0.000734  
 Predicted MQL: 0.002447

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00073 | .000    | 1        |
| S1        | .04000       | .03969      | -.000      | -.775   | .00942 | .000    | 1        |
| S3        | 2.5000       | 2.4211      | -.079      | -3.15   | .53076 | .003    | 1        |
| S4        | 5.0000       | 4.9713      | -.029      | -.574   | 1.0890 | .002    | 1        |
| S5        | 10.000       | 10.108      | .108       | 1.08    | 2.2135 | .006    | 1        |



Ti 336.121 {100}

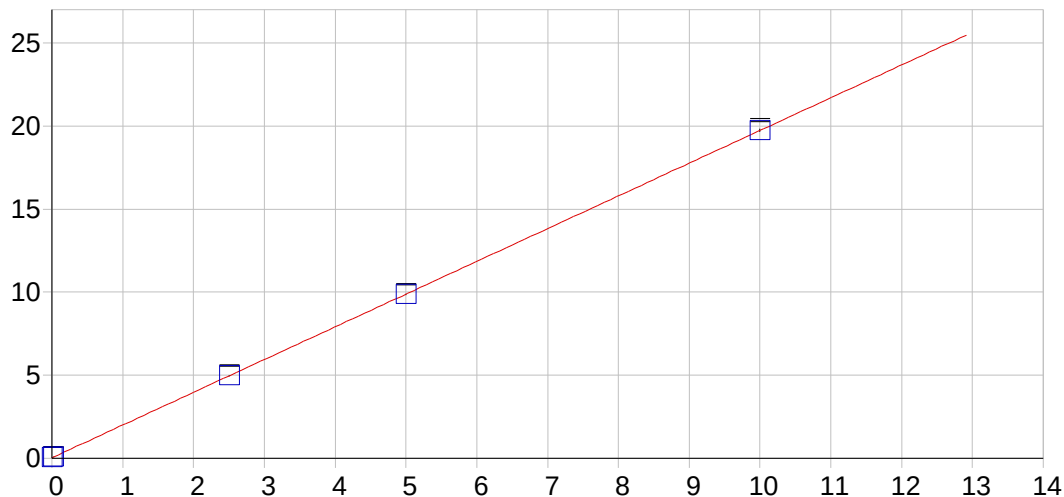
Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003861 Re-Slope: 1.000000  
 A1 (Gain): 0.288980 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999990  
 Std Error of Est: 0.000044  
 Predicted MDL: 0.002326  
 Predicted MQL: 0.007752

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00386 | .000    | 1        |
| S1        | .04000       | .04259      | .003       | 6.47    | .01616 | .000    | 1        |
| S3        | 2.5000       | 2.4866      | -.013      | -.536   | .72235 | .007    | 1        |
| S4        | 5.0000       | 5.0214      | .021       | .428    | 1.4548 | .005    | 1        |
| S5        | 10.000       | 9.9894      | -.011      | -.106   | 2.8902 | .004    | 1        |



Li 670.784 { 50}

Date of Fit: 12/18/2018 14:52:45

Type of Fit: Linear

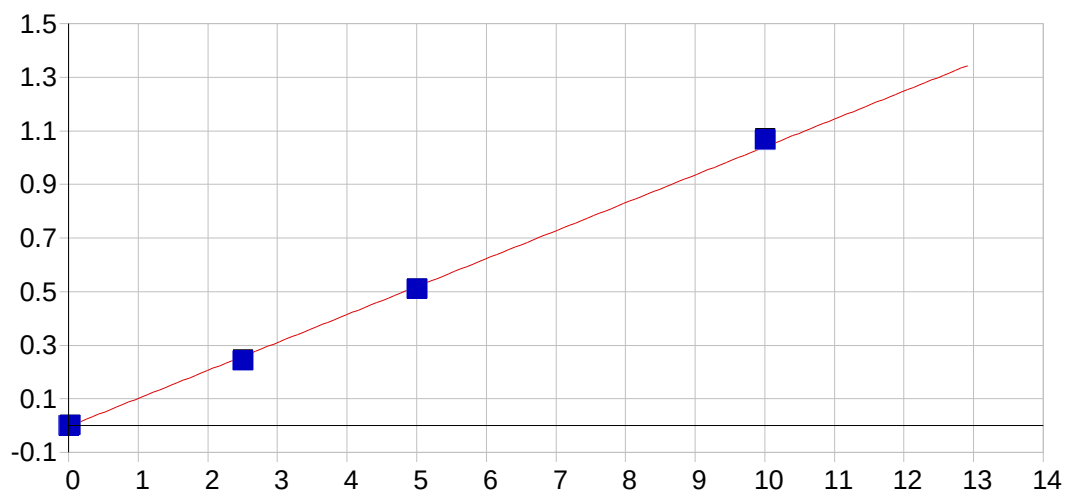
Weighting: 1/Conc

A0 (Offset): 0.032855  
 A1 (Gain): 1.969771  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999998  
 Std Error of Est: 0.000101  
 Predicted MDL: 0.001764  
 Predicted MQL: 0.005881

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    | .03286 | .000    | 1        |
| S1        | .02000       | .01975      | -.000      | -1.27   | .07175 | .002    | 1        |
| S3        | 2.5000       | 2.5095      | .009       | .379    | 4.9760 | .044    | 1        |
| S4        | 5.0000       | 4.9863      | -.014      | -.273   | 9.8548 | .049    | 1        |
| S5        | 10.000       | 10.004      | .004       | .044    | 19.739 | .080    | 1        |

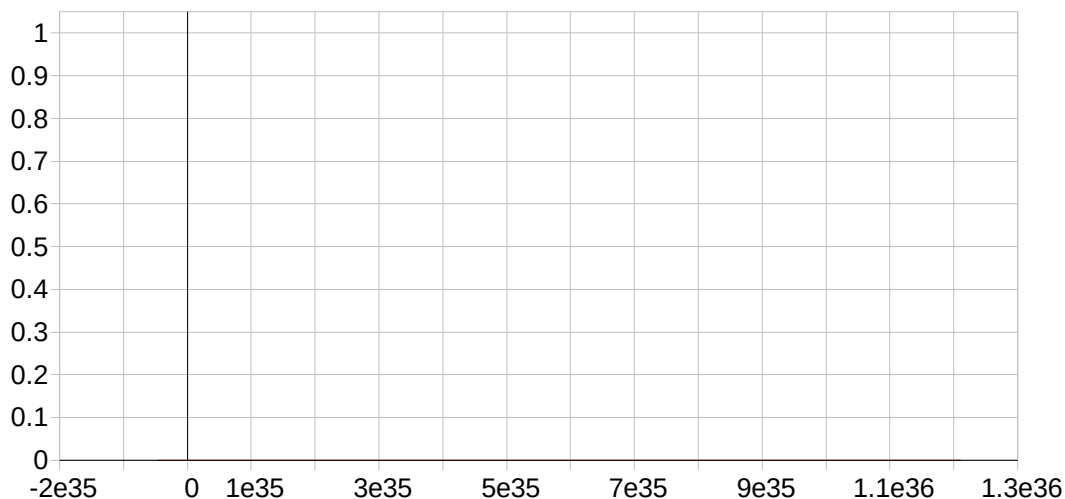


P 177.495 {490}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002757 Re-Slope: 1.000000  
 A1 (Gain): 0.104231 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999488 Status: OK.  
 Std Error of Est: 0.000080  
 Predicted MDL: 0.001554  
 Predicted MQL: 0.005181

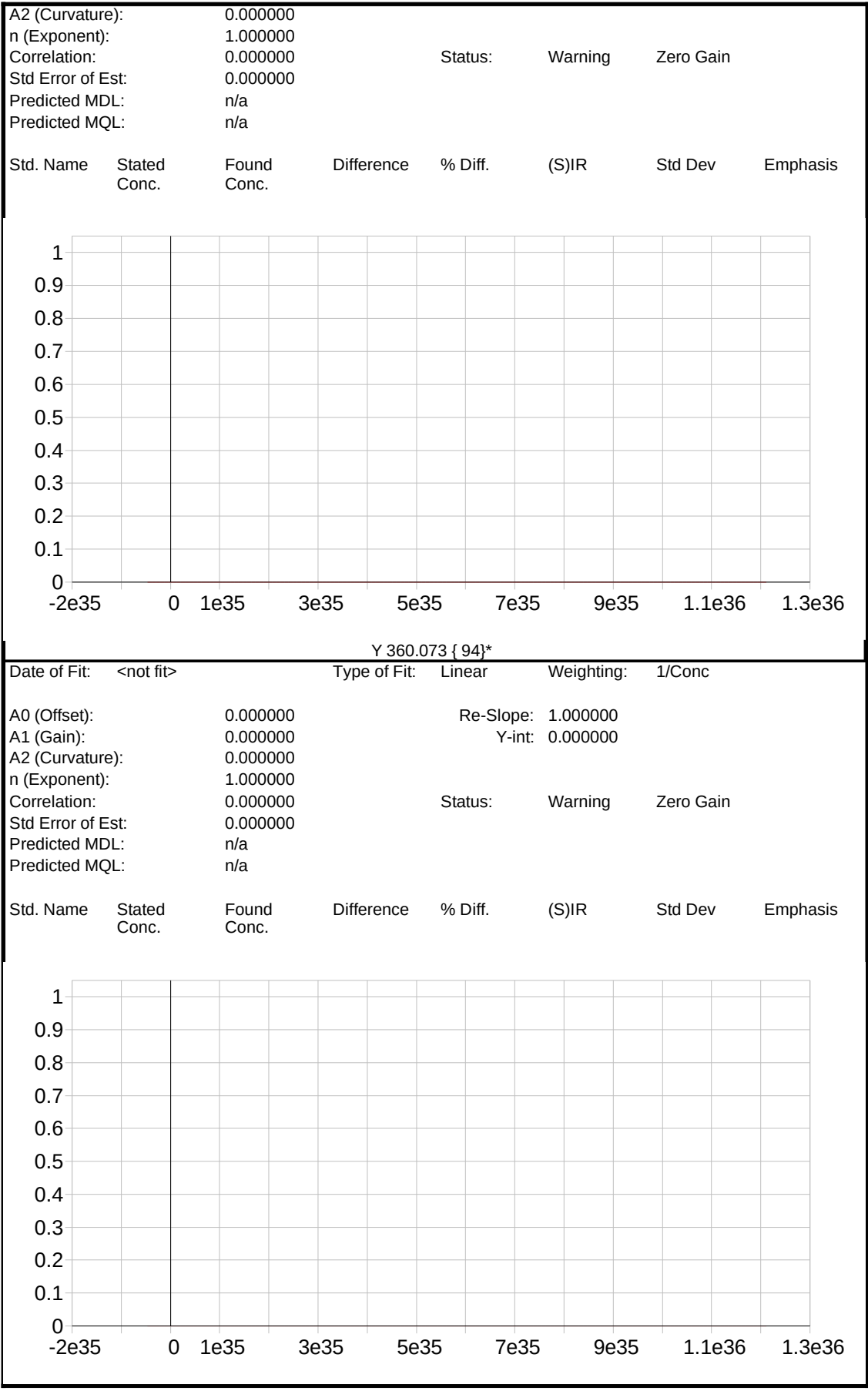
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00276 | .000    | 1        |
| S1        | .02000       | .01815      | -.002      | -9.23   | -.00087 | .000    | 1        |
| S3        | 2.5000       | 2.3432      | -.157      | -6.27   | .24110  | .002    | 1        |
| S4        | 5.0000       | 4.9090      | -.091      | -1.82   | .50815  | .000    | 1        |
| S5        | 10.000       | 10.250      | .250       | 2.50    | 1.0641  | .005    | 1        |



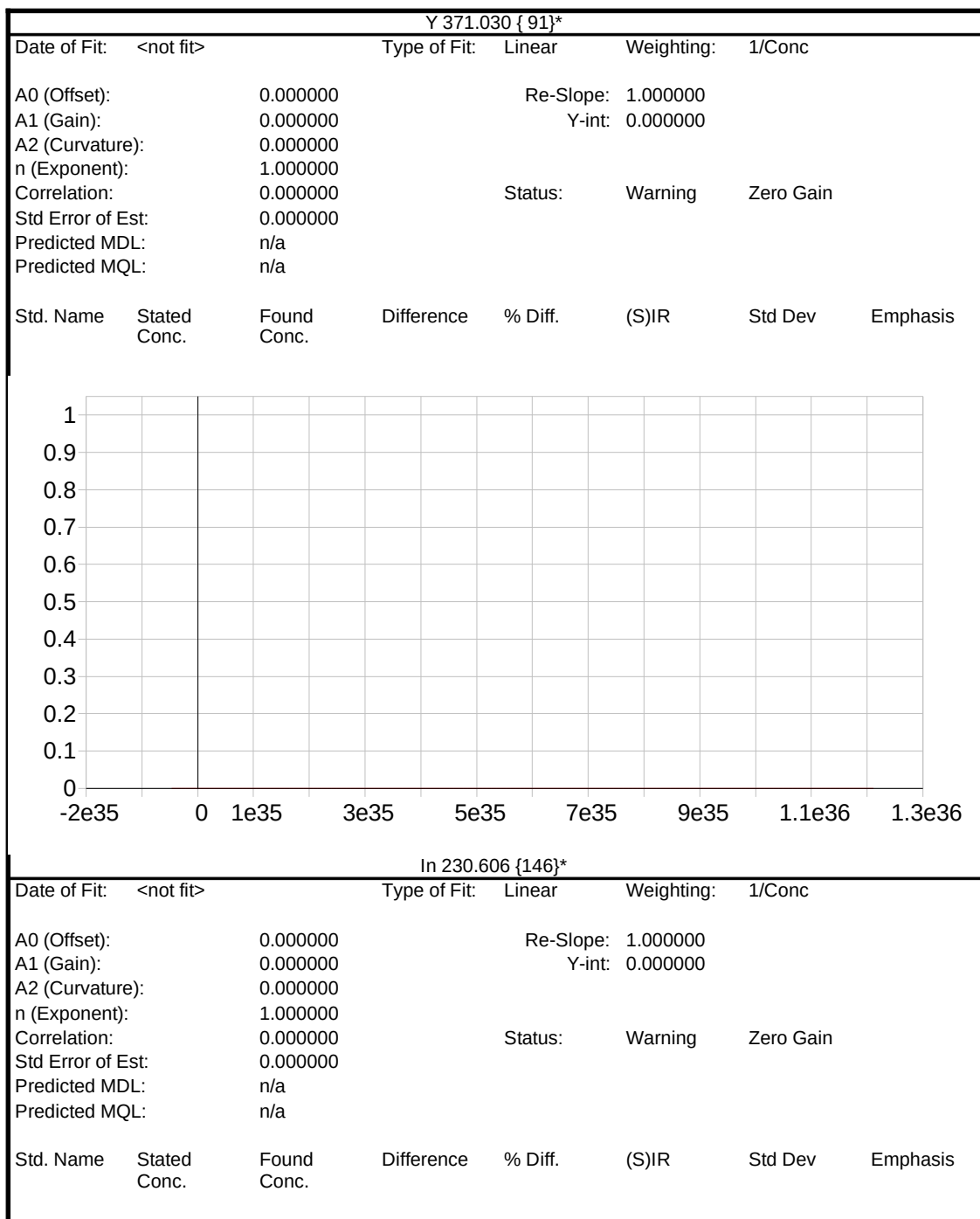
Y 224.306 {450}\*

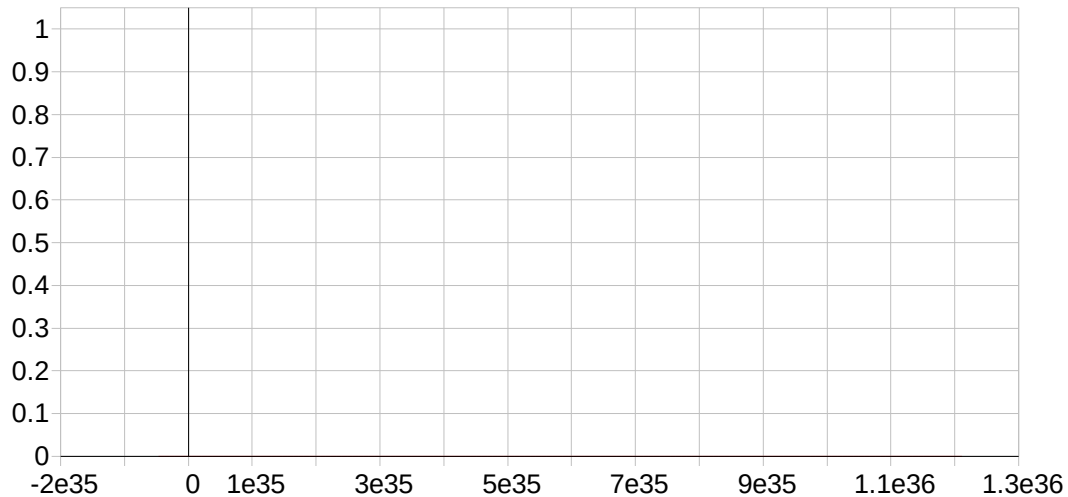
Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

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





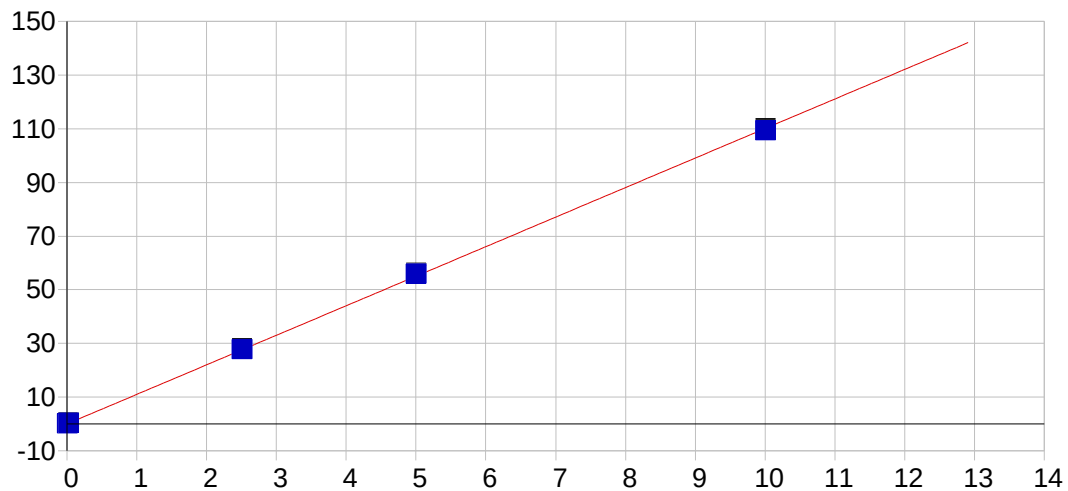




Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

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

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

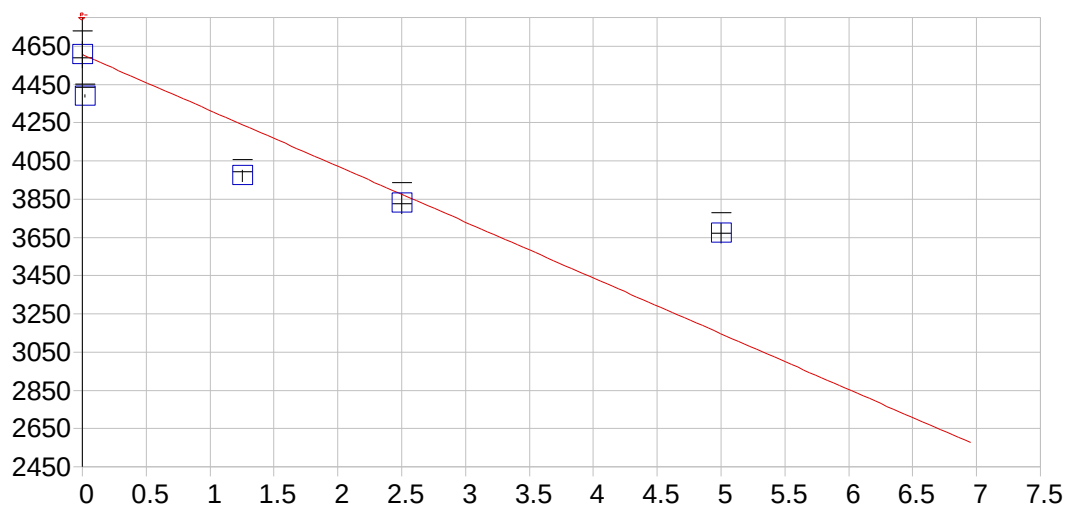


Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.006236 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 11.008289 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999954  | Status:   | OK.      |
| Std Error of Est: | 0.002550  |           |          |
| Predicted MDL:    | 0.000115  |           |          |

Predicted MQL: 0.000384

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00624 | .001    | 1        |
| S1        | .02000       | .02022      | .000       | 1.11    | .21759  | .001    | 1        |
| S3        | 2.5000       | 2.5202      | .020       | .807    | 27.767  | .223    | 1        |
| S4        | 5.0000       | 5.0620      | .062       | 1.24    | 55.778  | .366    | 1        |
| S5        | 10.000       | 9.9176      | -.082      | -.824   | 109.29  | .556    | 1        |

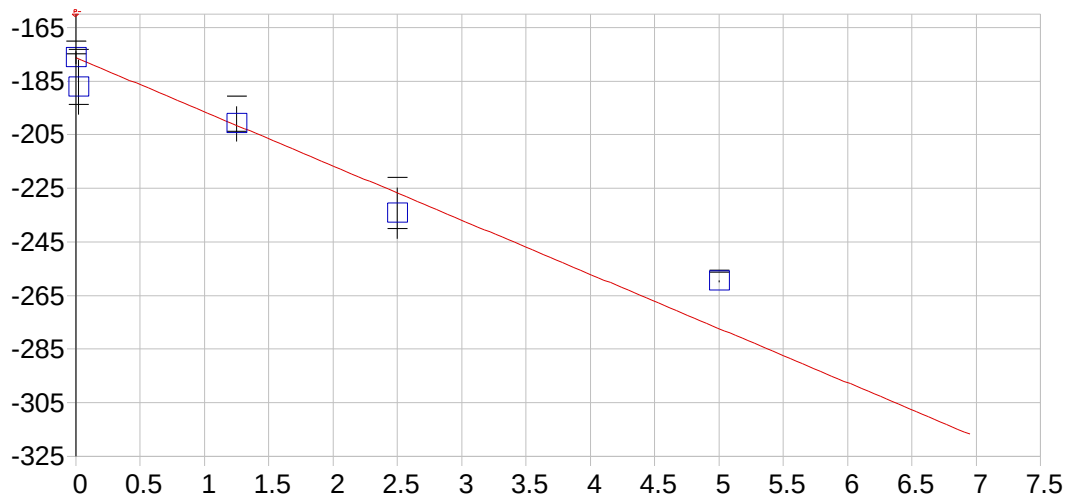


U 367.007 { 92 }

Date of Fit: 12/18/2018 14:52:45      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 4605.542043      Re-Slope: 1.000000  
A1 (Gain): -291.946070      Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.493081      Status: Warning      Negative Gain  
Std Error of Est: 8.802440  
Predicted MDL: n/a  
Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00073     | -.001      | .000    | 4605.8 | 70.6    | 1        |
| S1        | .02000       | .74016      | .720       | 3600.   | 4389.5 | 7.82    | 1        |
| S3        | 1.2500       | 2.1717      | .922       | 73.7    | 3971.5 | 31.5    | 1        |
| S4        | 2.5000       | 2.6637      | .164       | 6.55    | 3827.9 | 54.1    | 1        |
| S5        | 5.0000       | 3.1945      | -1.81      | -36.1   | 3672.9 | 53.5    | 1        |



U 385.958 { 87}

Date of Fit: 12/18/2018 14:52:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -176.226249 Re-Slope: 1.000000  
 A1 (Gain): -20.210419 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.618120 Status: Warning Negative Gain  
 Std Error of Est: 0.439217  
 Predicted MDL: n/a  
 Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00053     | -.001      | .000    | -176.22 | 2.31    | 1        |
| S1        | .02000       | .54844      | .528       | 2640.   | -187.31 | 10.3    | 1        |
| S3        | 1.2500       | 1.2217      | -.028      | -2.27   | -200.92 | 6.53    | 1        |
| S4        | 2.5000       | 2.8701      | .370       | 14.8    | -234.23 | 9.54    | 1        |
| S5        | 5.0000       | 4.1297      | -.870      | -17.4   | -259.69 | .272    | 1        |

Sample Name: S0      Acquired: 12/18/2018 12:02:33      Type: Cal  
Method: P4-ICP2(v2662)      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    | .00006 | -.00067 | .00291 | -.00011 | .00024 | .00007 | .07612 | .00006 |
| Stddev | .00009 | .00002  | .00025 | .00005  | .00037 | .00003 | .00074 | .00005 |
| %RSD   | 146.61 | 3.3734  | 8.5494 | 44.088  | 155.54 | 35.314 | .96602 | 78.779 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00013  | -.00065 | .00274 | -.00008 | .00050  | .00005 | .07560 | .00010 |
| #2 | -.00000 | -.00068 | .00309 | -.00014 | -.00002 | .00009 | .07664 | .00003 |

|        |         |        |        |        |        |         |        |         |
|--------|---------|--------|--------|--------|--------|---------|--------|---------|
| 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    | -.00064 | .00089 | .00007 | .00010 | .00120 | -.00430 | .00054 | -.00016 |
| Stddev | .00006  | .00011 | .00001 | .00011 | .00031 | .00783  | .00006 | .00068  |
| %RSD   | 10.058  | 12.425 | 11.859 | 106.46 | 25.528 | 182.06  | 11.895 | 419.03  |

|    |         |        |        |        |        |         |        |         |
|----|---------|--------|--------|--------|--------|---------|--------|---------|
| #1 | -.00069 | .00081 | .00007 | .00018 | .00142 | .00124  | .00050 | -.00065 |
| #2 | -.00060 | .00096 | .00006 | .00003 | .00098 | -.00984 | .00059 | .00032  |

|        |         |        |        |         |        |         |        |        |
|--------|---------|--------|--------|---------|--------|---------|--------|--------|
| 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    | -.00540 | .00004 | .08744 | -.00011 | .24695 | -.02930 | .00011 | .00030 |
| Stddev | .00028  | .00002 | .00235 | .00002  | .01525 | .00116  | .00015 | .00007 |
| %RSD   | 5.1846  | 62.938 | 2.6881 | 19.035  | 6.1744 | 3.9521  | 144.25 | 22.236 |

|    |         |        |        |         |        |         |         |        |
|----|---------|--------|--------|---------|--------|---------|---------|--------|
| #1 | -.00521 | .00002 | .08910 | -.00013 | .25774 | -.03012 | -.00000 | .00035 |
| #2 | -.00560 | .00006 | .08578 | -.00010 | .23617 | -.02848 | .00021  | .00025 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 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    | .00056 | .01385 | .00073 | .00386 | .03286 | -.0028 | -.00624 | 4605.8 |
| Stddev | .00009 | .00029 | .00021 | .00003 | .00024 | .0001  | .00078  | 70.6   |
| %RSD   | 15.494 | 2.0990 | 28.353 | .80509 | .73037 | 1.951  | 12.543  | 1.5323 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00062 | .01365 | .00088 | .00388 | .03303 | -.0027 | -.00679 | 4555.9 |
| #2 | .00050 | .01406 | .00059 | .00384 | .03269 | -.0028 | -.00569 | 4655.7 |

Sample Name: S0      Acquired: 12/18/2018 12:02:33      Type: Cal  
Method: P4-ICP2(v2662)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -176.22 |
| Stddev | 2.31    |
| %RSD   | 1.3125  |

|    |         |
|----|---------|
| #1 | -174.58 |
| #2 | -177.85 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3428.8 | 47085. | 4113.7 | 101.77 | 4021.0 |
| Stddev    | 33.2   | 287.   | 73.1   | .95    | 24.3   |
| %RSD      | .96967 | .61017 | 1.7767 | .93802 | .60461 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3452.3 | 46881. | 4062.1 | 101.09 | 4038.2 |
| #2 | 3405.3 | 47288. | 4165.4 | 102.44 | 4003.8 |

Sample Name: S1      Acquired: 12/18/2018 12:06:36      Type: Cal  
Method: P4-ICP2(v2662)      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    | .00132 | .00615 | .00627 | .00128 | .00853 | .00084 | .59672 | .00648 |
| Stddev | .00005 | .00018 | .00030 | .00024 | .00014 | .00006 | .00551 | .00007 |
| %RSD   | 3.4772 | 3.0076 | 4.8508 | 18.524 | 1.6074 | 6.6268 | .92311 | 1.1245 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00136 | .00602 | .00606 | .00111 | .00844 | .00088 | .60061 | .00653 |
| #2 | .00129 | .00628 | .00649 | .00145 | .00863 | .00080 | .59282 | .00642 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01779 | .00224 | .03613 | .01535 | .13669 | .03182 | .02141 | .00188 |
| Stddev | .00055 | .00003 | .00057 | .00019 | .01130 | .00010 | .00049 | .00001 |
| %RSD   | 3.0753 | 1.2263 | 1.5842 | 1.2506 | 8.2675 | .32679 | 2.2776 | .72124 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01741 | .00226 | .03572 | .01521 | .12870 | .03189 | .02106 | .00189 |
| #2 | .01818 | .00222 | .03653 | .01548 | .14468 | .03175 | .02175 | .00187 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .00972 | 4.2463 | .17098 | .00487 | .00132 | .17718 | .00942 | .01616 |
| Stddev | .00006 | .0464  | .00247 | .00023 | .00005 | .00159 | .00025 | .00048 |
| %RSD   | .58274 | 1.0917 | 1.4463 | 4.7208 | 3.7805 | .89484 | 2.6109 | 2.9989 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00976 | 4.2135 | .16923 | .00503 | .00129 | .17606 | .00924 | .01582 |
| #2 | .00968 | 4.2791 | .17272 | .00471 | .00136 | .17830 | .00959 | .01650 |

|        |        |        |        |        |         |
|--------|--------|--------|--------|--------|---------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |
| Avg    | .07175 | -.0009 | .21759 | 4389.5 | -187.31 |
| Stddev | .00189 | .0001  | .00119 | 7.8    | 10.29   |
| %RSD   | 2.6281 | 9.166  | .54497 | .17806 | 5.4909  |

|    |        |        |        |        |         |
|----|--------|--------|--------|--------|---------|
| #1 | .07041 | -.0009 | .21675 | 4383.9 | -194.58 |
| #2 | .07308 | -.0008 | .21843 | 4395.0 | -180.04 |

Sample Name: S1      Acquired: 12/18/2018 12:06:36      Type: Cal  
Method: P4-ICP2(v2662)      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       | 3372.3 | 46011. | 4073.1 | 98.650 | 3930.2 |
| Stddev    | 14.4   | 93.    | 25.5   | .224   | 23.3   |
| %RSD      | .42601 | .20222 | .62585 | .22698 | .59357 |
| #1        | 3382.5 | 45946. | 4091.1 | 98.808 | 3946.7 |
| #2        | 3362.2 | 46077. | 4055.1 | 98.492 | 3913.7 |



Sample Name: S2      Acquired: 12/18/2018 12:11:11      Type: Cal  
Method: P4-ICP2(v2662)      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    | .09075 | .01678 | .65067 | .15171 |
| Stddev | .00240 | .00018 | .00215 | .00283 |
| %RSD   | 2.6425 | 1.0990 | .32991 | 1.8629 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .08906 | .01665 | .64916 | .15371 |
| #2 | .09245 | .01691 | .65219 | .14972 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 4089.1 |
| Stddev    | 17.2   |
| %RSD      | .41963 |

|    |        |
|----|--------|
| #1 | 4077.0 |
| #2 | 4101.3 |

Sample Name: S3      Acquired: 12/18/2018 12:15:08      Type: Cal  
Method: P4-ICP2(v2662)      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    | .15152 | .38941 | .68278 | .17342 | .37731 | .03705 | 24.256 | .12807 |
| Stddev | .00008 | .00182 | .00167 | .00068 | .00052 | .00027 | .241   | .00028 |
| %RSD   | .05215 | .46713 | .24504 | .39005 | .13655 | .71587 | .99274 | .21987 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .15147 | .38812 | .68160 | .17294 | .37695 | .03686 | 24.426 | .12827 |
| #2 | .15158 | .39069 | .68397 | .17390 | .37768 | .03724 | 24.085 | .12787 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.8755 | .56454 | .10621 | 1.3521 | .44012 | 3.2769 | 1.7536 | .10211 |
| Stddev | .0150  | .00142 | .00003 | .0104  | .00009 | .0637  | .0018  | .00070 |
| %RSD   | .38829 | .25183 | .02820 | .76632 | .01946 | 1.9443 | .10174 | .68284 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.8648 | .56554 | .10619 | 1.3448 | .44006 | 3.3220 | 1.7548 | .10260 |
| #2 | 3.8861 | .56353 | .10623 | 1.3594 | .44018 | 3.2319 | 1.7523 | .10161 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .76020 | .11335 | 3.6409 | .27570 | 111.99 | 1.1066 | 2.0952 | .11678 |
| Stddev | .00453 | .00025 | .0375  | .00013 | 1.37   | .0111  | .0062  | .00160 |
| %RSD   | .59545 | .21838 | 1.0293 | .04708 | 1.2221 | 1.0002 | .29658 | 1.3734 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75699 | .11353 | 3.6674 | .27579 | 112.96 | 1.1144 | 2.0908 | .11791 |
| #2 | .76340 | .11318 | 3.6144 | .27561 | 111.02 | 1.0987 | 2.0996 | .11564 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .11353 | 1.0820 | .53076 | .72235 | 4.9760 | .2411  | 27.767 | 3971.5 |
| Stddev | .00086 | .0064  | .00322 | .00709 | .0438  | .0018  | .223   | 31.5   |
| %RSD   | .75647 | .59531 | .60622 | .98119 | .87975 | .7493  | .80206 | .79257 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .11293 | 1.0866 | .52849 | .72736 | 5.0069 | .2398 | 27.924 | 3949.3 |
| #2 | .11414 | 1.0774 | .53304 | .71733 | 4.9450 | .2424 | 27.609 | 3993.8 |

Sample Name: S3      Acquired: 12/18/2018 12:15:08      Type: Cal  
Method: P4-ICP2(v2662)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -200.92 |
| Stddev | 6.53    |
| %RSD   | 3.2495  |

|    |         |
|----|---------|
| #1 | -205.53 |
| #2 | -196.30 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3262.2 | 44299. | 3972.3 | 95.664 | 3623.2 |
| Stddev    | 3.9    | 317.   | 55.1   | 1.230  | 10.1   |
| %RSD      | .12008 | .71492 | 1.3862 | 1.2852 | .27930 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3265.0 | 44075. | 3933.4 | 94.795 | 3630.4 |
| #2 | 3259.4 | 44523. | 4011.3 | 96.533 | 3616.0 |

Sample Name: S4      Acquired: 12/18/2018 12:18:55      Type: Cal  
Method: P4-ICP2(v2662)      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    | .30597 | .77774 | 1.3683 | .34788 | .75610 | .07451 | 47.946 | .25565 |
| Stddev | .00033 | .00010 | .0022  | .00017 | .00324 | .00055 | .299   | .00045 |
| %RSD   | .10823 | .01244 | .15681 | .04784 | .42838 | .73533 | .62267 | .17498 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .30620 | .77781 | 1.3699 | .34800 | .75839 | .07412 | 48.157 | .25596 |
| #2 | .30573 | .77768 | 1.3668 | .34777 | .75381 | .07489 | 47.735 | .25533 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 7.8445 | 1.1097 | .21065 | 2.7260 | .86823 | 6.5787 | 3.4625 | .20100 |
| Stddev | .0186  | .0014  | .00125 | .0057  | .00142 | .0453  | .0026  | .00113 |
| %RSD   | .23735 | .12404 | .59453 | .20762 | .16355 | .68903 | .07537 | .55988 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.8576 | 1.1107 | .21153 | 2.7300 | .86924 | 6.5466 | 3.4644 | .20021 |
| #2 | 7.8313 | 1.1087 | .20976 | 2.7220 | .86723 | 6.6107 | 3.4607 | .20180 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.5267 | .22616 | 7.1313 | .54999 | 224.06 | 2.2176 | 4.2072 | .23675 |
| Stddev | .0013  | .00055 | .0292  | .00063 | 1.18   | .0140  | .0123  | .00154 |
| %RSD   | .08720 | .24103 | .40890 | .11492 | .52624 | .63061 | .29326 | .65033 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.5276 | .22578 | 7.1519 | .55043 | 223.23 | 2.2275 | 4.2159 | .23784 |
| #2 | 1.5257 | .22655 | 7.1106 | .54954 | 224.89 | 2.2077 | 4.1985 | .23566 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .23912 | 2.0377 | 1.0890 | 1.4548 | 9.8548 | .5082  | 55.778 | 3827.9 |
| Stddev | .00030 | .0232  | .0015  | .0053  | .0485  | .0004  | .366   | 54.1   |
| %RSD   | .12404 | 1.1397 | .14046 | .36278 | .49222 | .0740  | .65592 | 1.4122 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .23933 | 2.0542 | 1.0901 | 1.4585 | 9.8891 | .5084 | 56.037 | 3789.7 |
| #2 | .23891 | 2.0213 | 1.0880 | 1.4510 | 9.8205 | .5079 | 55.519 | 3866.1 |

Sample Name: S4      Acquired: 12/18/2018 12:18:55      Type: Cal  
Method: P4-ICP2(v2662)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -234.23 |
| Stddev | 9.54    |
| %RSD   | 4.0708  |

|    |         |
|----|---------|
| #1 | -227.49 |
| #2 | -240.98 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3188.2 | 43271. | 3960.3 | 92.721 | 3453.7 |
| Stddev    | 13.0   | 29.    | 38.0   | .343   | 11.6   |
| %RSD      | .40919 | .06712 | .95868 | .36939 | .33729 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3179.0 | 43251. | 3933.5 | 92.963 | 3445.5 |
| #2 | 3197.4 | 43292. | 3987.2 | 92.479 | 3461.9 |

Sample Name: S5      Acquired: 12/18/2018 12:22:41      Type: Cal  
Method: P4-ICP2(v2662)      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    | .61839 | 1.5573 | 2.7792 | .70088 | 1.5260 | .15003 | 95.816 | .50913 |
| Stddev | .00235 | .0053  | .0111  | .00201 | .0047  | .00013 | .579   | .00064 |
| %RSD   | .37933 | .34316 | .39817 | .28706 | .30625 | .08572 | .60478 | .12510 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .62005 | 1.5610 | 2.7870 | .70230 | 1.5293 | .14994 | 96.225 | .50958 |
| #2 | .61673 | 1.5535 | 2.7714 | .69946 | 1.5227 | .15012 | 95.406 | .50868 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 15.999 | 2.1968 | .41571 | 5.5818 | 1.7085 | 12.815 | 6.7824 | .40035 |
| Stddev | .046   | .0197  | .00243 | .0202  | .0047  | .133   | .0098  | .00071 |
| %RSD   | .28629 | .89769 | .58538 | .36218 | .27365 | 1.0344 | .14369 | .17741 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.031 | 2.2108 | .41743 | 5.5961 | 1.7118 | 12.722 | 6.7893 | .40085 |
| #2 | 15.966 | 2.1829 | .41398 | 5.5675 | 1.7052 | 12.909 | 6.7755 | .39985 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.1007 | .45238 | 14.317 | 1.0951 | 433.67 | 4.5047 | 8.3584 | .46972 |
| Stddev | .0090  | .00046 | .048   | .0010  | .84    | .0252  | .0265  | .00211 |
| %RSD   | .29106 | .10253 | .33196 | .09013 | .19255 | .55851 | .31717 | .44921 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.1071 | .45271 | 14.351 | 1.0958 | 433.08 | 4.5225 | 8.3772 | .47121 |
| #2 | 3.0943 | .45205 | 14.283 | 1.0944 | 434.26 | 4.4869 | 8.3397 | .46823 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .50467 | 4.0525 | 2.2135 | 2.8902 | 19.739 | 1.064  | 109.29 | 3672.9 |
| Stddev | .00183 | .0439  | .0060  | .0043  | .080   | .005   | .56    | 53.5   |
| %RSD   | .36178 | 1.0834 | .26957 | .15035 | .40701 | .4369  | .50859 | 1.4578 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .50596 | 4.0836 | 2.2177 | 2.8872 | 19.796 | 1.067 | 109.68 | 3635.1 |
| #2 | .50338 | 4.0215 | 2.2093 | 2.8933 | 19.683 | 1.061 | 108.90 | 3710.8 |

Sample Name: S5      Acquired: 12/18/2018 12:22:41      Type: Cal  
Method: P4-ICP2(v2662)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -259.69 |
| Stddev | .27     |
| %RSD   | .10459  |

|    |         |
|----|---------|
| #1 | -259.50 |
| #2 | -259.88 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3086.3 | 42204. | 3894.1 | 92.551 | 3233.4 |
| Stddev    | 10.1   | 212.   | 52.6   | .113   | 11.8   |
| %RSD      | .32696 | .50340 | 1.3518 | .12161 | .36378 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3079.1 | 42054. | 3856.8 | 92.631 | 3225.1 |
| #2 | 3093.4 | 42354. | 3931.3 | 92.471 | 3241.7 |

Sample Name: ICV01      Acquired: 12/18/2018 12:26:44      Type: Unk  
Method: P4-ICP2(v2662)      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    | .98318 | 1.0211 | .97626 | .98256 | .96741 | 2.4625 | .50786 |
| Stddev | .00304 | .0054  | .00194 | .00408 | .00466 | .0103  | .00057 |
| %RSD   | .30923 | .52514 | .19886 | .41490 | .48151 | .41675 | .11275 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .98103 | 1.0173 | .97489 | .97968 | .96411 | 2.4553 | .50745 |
| #2 | .98533 | 1.0249 | .97764 | .98545 | .97070 | 2.4698 | .50826 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .48183 | .47533 | 10.235 | .49903 | .48930 | .50894 | 4.9803 |
| Stddev | .00057 | .00396 | .195   | .00348 | .00228 | .00006 | .2488  |
| %RSD   | .11830 | .83391 | 1.9005 | .69749 | .46553 | .01086 | 4.9950 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .48223 | .47253 | 10.098 | .49657 | .48769 | .50890 | 4.8044 |
| #2 | .48143 | .47813 | 10.373 | .50149 | .49091 | .50898 | 5.1562 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51008 | 6.1212 | .49104 | .50310 | 9.9798 | .49892 | 1.0192 |
| Stddev | .00022 | .0637  | .00253 | .00299 | .0360  | .00233 | .0509  |
| %RSD   | .04385 | 1.0409 | .51431 | .59380 | .36100 | .46756 | 4.9982 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50992 | 6.0761 | .48926 | .50521 | 9.9544 | .50057 | .98318 |
| #2 | .51024 | 6.1662 | .49283 | .50099 | 10.005 | .49727 | 1.0552 |

|        |        |        |        |           |        |          |        |
|--------|--------|--------|--------|-----------|--------|----------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899   | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm      | ppm    |
| Avg    | 9.9979 | 2.4329 | 2.4602 | F -.00071 | 2.3872 | F 2.3274 | 2.4477 |
| Stddev | .1206  | .0227  | .0430  | .00084    | .0273  | .0009    | .0216  |
| %RSD   | 1.2060 | .93485 | 1.7461 | 118.44    | 1.1415 | .03959   | .88346 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.9126 | 2.4168 | 2.4298 | -.00130 | 2.3679 | 2.3268 | 2.4324 |
| #2 | 10.083 | 2.4490 | 2.4905 | -.00011 | 2.4065 | 2.3281 | 2.4630 |



Sample Name: ICV01      Acquired: 12/18/2018 12:26:44      Type: Unk  
Method: P4-ICP2(v2662)      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 -.00001 | F .0011 | F .00622 | F 1.6441 | F 1.6204 |
| Stddev | .00251    | .0013   | .00014   | .1015    | .0146    |
| %RSD   | 21430.    | 119.7   | 2.1690   | 6.1763   | .89858   |

|    |         |       |        |        |        |
|----|---------|-------|--------|--------|--------|
| #1 | -.00178 | .0020 | .00632 | 1.5723 | 1.6101 |
| #2 | .00176  | .0002 | .00613 | 1.7159 | 1.6307 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3315.3 | 45223. | 4000.6 | 97.696 | 3770.1 |
| Stddev    | 19.1   | 35.    | 39.0   | 4.569  | 17.8   |
| %RSD      | .57584 | .07810 | .97598 | 4.6771 | .47325 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3328.8 | 45198. | 4028.2 | 100.93 | 3782.7 |
| #2 | 3301.8 | 45248. | 3973.0 | 94.465 | 3757.4 |

Sample Name: LLICV01      Acquired: 12/18/2018 12:34:39      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02393 | .04728 | .01223 | .02028 | .05744 | .08778 | .11220 | .00645 |
| Stddev | .00218 | .00142 | .00068 | .00049 | .00108 | .00525 | .00066 | .00005 |
| %RSD   | 9.0899 | 3.0027 | 5.5740 | 2.4256 | 1.8819 | 5.9811 | .58979 | .74089 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02239 | .04628 | .01271 | .02063 | .05668 | .09149 | .11266 | .00648 |
| #2 | .02547 | .04828 | .01175 | .01993 | .05821 | .08407 | .11173 | .00641 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00597 | 2.2604 | .01128 | .03334 | .01999 | .10722 | .02371 | 2.3175 |
| Stddev | .00000 | .0243  | .00015 | .00017 | .00035 | .00552 | .00001 | .0582  |
| %RSD   | .07333 | 1.0731 | 1.3464 | .51543 | 1.7296 | 5.1485 | .04216 | 2.5110 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00598 | 2.2776 | .01117 | .03346 | .01974 | .11112 | .02372 | 2.3587 |
| #2 | .00597 | 2.2432 | .01139 | .03322 | .02023 | .10332 | .02371 | 2.2764 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04402 | .01066 | 2.1353 | .04615 | .04764 | 2.0979 | .20853 | .11075 |
| Stddev | .00020 | .00083 | .0008  | .00017 | .00054 | .0314  | .00113 | .00816 |
| %RSD   | .46324 | 7.7696 | .03849 | .36936 | 1.1421 | 1.4946 | .54336 | 7.3666 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04416 | .01124 | 2.1347 | .04627 | .04802 | 2.1201 | .20933 | .11652 |
| #2 | .04387 | .01007 | 2.1359 | .04603 | .04725 | 2.0758 | .20772 | .10498 |

|        |          |        |        |        |        |        |        |          |
|--------|----------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F .03855 | .41973 | .04230 | .04337 | .01887 | .0195  | .02166 | F 1.5531 |
| Stddev | .00271   | .00374 | .00044 | .00176 | .00094 | .0020  | .00031 | .2643    |
| %RSD   | 7.0370   | .89111 | 1.0496 | 4.0473 | 4.9995 | 10.49  | 1.4537 | 17.020   |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .04046 | .42237 | .04262 | .04461 | .01820 | .0210 | .02189 | 1.3662 |
| #2 | .03663 | .41708 | .04199 | .04213 | .01954 | .0181 | .02144 | 1.7400 |

Sample Name: LLICV01      Acquired: 12/18/2018 12:34:39      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F .31564  
 Stddev      .07352  
 %RSD      23.293

#1      .26365  
 #2      .36763

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3333.1 | 45493. | 4034.3 | 100.79 | 3913.2 |
| Stddev    | 23.0   | 107.   | 8.6    | 1.14   | 19.7   |
| %RSD      | .68991 | .23567 | .21232 | 1.1284 | .50221 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3316.8 | 45568. | 4028.2 | 99.983 | 3899.3 |
| #2 | 3349.3 | 45417. | 4040.3 | 101.59 | 3927.1 |

Sample Name: ICB01      Acquired: 12/18/2018 12:38:43      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00056  | .00218  | -.00057 | -.00385 | .00089  | -.02013 | .00049  | .00001   |
| Stddev | .00323  | .00129  | .00010  | .00291  | .00012  | .00190  | .00051  | .00002   |
| %RSD   | 576.12  | 59.355  | 18.005  | 75.575  | 13.003  | 9.4587  | 104.56  | 337.26   |
| #1     | -.00172 | .00126  | -.00064 | -.00179 | .00081  | -.02148 | .00013  | .00002   |
| #2     | .00284  | .00309  | -.00049 | -.00591 | .00098  | -.01879 | .00085  | -.00001  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00002 | -.02155 | -.00012 | -.00003 | -.00187 | .00619  | -.00006 | .03903   |
| Stddev | .00003  | .00709  | .00017  | .00002  | .00063  | .00423  | .00000  | .02927   |
| %RSD   | 165.25  | 32.898  | 138.30  | 71.376  | 33.571  | 68.274  | 3.4293  | 75.000   |
| #1     | -.00004 | -.01653 | -.00025 | -.00001 | -.00232 | .00918  | -.00006 | .01833   |
| #2     | .00000  | -.02656 | -.00000 | -.00004 | -.00143 | .00320  | -.00006 | .05972   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00009  | -.00026 | -.11744 | .00005  | -.00123 | -.03712 | -.00007 | -.00008  |
| Stddev | .00027  | .00092  | .00594  | .00073  | .00007  | .04207  | .00000  | .01213   |
| %RSD   | 307.92  | 349.54  | 5.0595  | 1513.0  | 5.5883  | 113.34  | 2.0281  | 14983.   |
| #1     | .00028  | .00039  | -.12164 | -.00047 | -.00119 | -.06687 | -.00007 | -.00866  |
| #2     | -.00011 | -.00091 | -.11324 | .00056  | -.00128 | -.00737 | -.00007 | .00850   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00702 | .00313  | .00015  | .00333  | -.00494 | .0006   | .00005  | F 1.4144 |
| Stddev | .00081  | .00050  | .00006  | .00016  | .00032  | .0002   | .00008  | .0032    |
| %RSD   | 11.507  | 15.797  | 36.488  | 4.7716  | 6.5542  | 34.75   | 175.88  | .22269   |
| #1     | -.00645 | .00348  | .00019  | .00345  | -.00517 | .0005   | -.00001 | 1.4121   |
| #2     | -.00760 | .00278  | .00011  | .00322  | -.00471 | .0008   | .00011  | 1.4166   |

Sample Name: ICB01      Acquired: 12/18/2018 12:38:43      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .81369 |
| Stddev | .57368   |
| %RSD   | 70.504   |

|    |        |
|----|--------|
| #1 | 1.2193 |
| #2 | .40803 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3363.2 | 46412. | 4043.5 | 99.913 | 3991.9 |
| Stddev    | 32.1   | 225.   | 8.5    | .807   | 33.6   |
| %RSD      | .95452 | .48370 | .21056 | .80799 | .84094 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3385.9 | 46254. | 4037.5 | 99.342 | 4015.7 |
| #2 | 3340.5 | 46571. | 4049.6 | 100.48 | 3968.2 |

Sample Name: CRI01      Acquired: 12/18/2018 12:42:47      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |        |        |        |        |          |
|--------|----------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02185   | .04623 | .01215 | .01808 | .05626 | .09997 | .11038 | .00642   |
| Stddev | .00075   | .00022 | .00017 | .00170 | .00040 | .01998 | .00010 | .00001   |
| %RSD   | 3.4335   | .47331 | 1.3583 | 9.4185 | .71501 | 19.986 | .09030 | .18681   |
| #1     | .02132   | .04638 | .01227 | .01688 | .05597 | .08584 | .11045 | .00641   |
| #2     | .02238   | .04607 | .01204 | .01929 | .05654 | .11410 | .11031 | .00643   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00584   | 2.1701 | .01076 | .03317 | .02053 | .11461 | .02328 | 2.2811   |
| Stddev | .00006   | .0433  | .00030 | .00008 | .00011 | .01112 | .00004 | .0186    |
| %RSD   | .99794   | 1.9973 | 2.7589 | .24168 | .52232 | 9.7042 | .18459 | .81395   |
| #1     | .00588   | 2.1394 | .01055 | .03311 | .02061 | .12248 | .02325 | 2.2942   |
| #2     | .00580   | 2.2007 | .01097 | .03322 | .02046 | .10675 | .02331 | 2.2679   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04386   | .01095 | 2.0574 | .04575 | .04496 | 2.0859 | .20691 | .09971   |
| Stddev | .00018   | .00027 | .0035  | .00032 | .00094 | .0223  | .00026 | .00232   |
| %RSD   | .41116   | 2.4840 | .16867 | .70712 | 2.0900 | 1.0674 | .12398 | 2.3284   |
| #1     | .04399   | .01115 | 2.0550 | .04598 | .04429 | 2.0702 | .20672 | .10135   |
| #2     | .04373   | .01076 | 2.0599 | .04552 | .04562 | 2.1017 | .20709 | .09807   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F .01124 | .41226 | .04003 | .04360 | .01801 | .0183  | .02101 | F 1.7634 |
| Stddev | .00373   | .00152 | .00105 | .00213 | .00133 | .0009  | .00003 | .0504    |
| %RSD   | 33.140   | .36798 | 2.6183 | 4.8909 | 7.4053 | 4.921  | .14488 | 2.8602   |
| #1     | .01388   | .41334 | .04077 | .04511 | .01707 | .0176  | .02099 | 1.7991   |
| #2     | .00861   | .41119 | .03928 | .04209 | .01896 | .0189  | .02104 | 1.7278   |

Sample Name: CRI01      Acquired: 12/18/2018 12:42:47      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .54101 |
| Stddev | .43214   |
| %RSD   | 79.876   |

|    |        |
|----|--------|
| #1 | .84658 |
| #2 | .23544 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3328.3 | 45422. | 4033.3 | 98.896 | 3921.0 |
| Stddev    | 6.5    | 20.    | 1.4    | 1.844  | 3.4    |
| %RSD      | .19620 | .04405 | .03498 | 1.8650 | .08665 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3333.0 | 45436. | 4032.3 | 100.20 | 3923.4 |
| #2 | 3323.7 | 45408. | 4034.3 | 97.592 | 3918.6 |

Sample Name: ICSA01      Acquired: 12/18/2018 12:46:51      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00168 | -.00656 | -.00044 | -.01402 | .00528 | 288.14 | .00630 |
| Stddev | .00197  | .00009  | .00165  | .00350  | .00328 | .70    | .00126 |
| %RSD   | 117.28  | 1.4431  | 375.39  | 24.975  | 62.208 | .24303 | 19.948 |

|    |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00029 | -.00649 | .00073  | -.01649 | .00760 | 287.64 | .00541 |
| #2 | -.00307 | -.00662 | -.00161 | -.01154 | .00296 | 288.63 | .00719 |

|        |        |         |        |        |         |         |        |
|--------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00028 | -.00116 | 263.23 | .05900 | -.00070 | -.00905 | 105.78 |
| Stddev | .00007 | .00016  | 7.19   | .00037 | .00011  | .00048  | 1.00   |
| %RSD   | 24.160 | 13.344  | 2.7306 | .62885 | 16.423  | 5.2585  | .94062 |

|    |        |         |        |        |         |         |        |
|----|--------|---------|--------|--------|---------|---------|--------|
| #1 | .00023 | -.00105 | 258.15 | .05874 | -.00062 | -.00871 | 105.08 |
| #2 | .00033 | -.00127 | 268.31 | .05927 | -.00078 | -.00938 | 106.49 |

|        |        |        |         |         |         |        |         |
|--------|--------|--------|---------|---------|---------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .01542 | 274.86 | -.00777 | -.00495 | -.04961 | .00190 | -.00138 |
| Stddev | .00006 | 6.96   | .00036  | .00033  | .02083  | .00007 | .00002  |
| %RSD   | .36134 | 2.5312 | 4.5796  | 6.6992  | 41.989  | 3.8799 | 1.5809  |

|    |        |        |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|--------|---------|
| #1 | .01538 | 269.94 | -.00802 | -.00519 | -.06433 | .00185 | -.00140 |
| #2 | .01546 | 279.78 | -.00752 | -.00472 | -.03488 | .00195 | -.00137 |

|        |         |         |         |         |         |        |         |
|--------|---------|---------|---------|---------|---------|--------|---------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899 | Ti3361  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.04839 | -.00042 | -.02319 | -.00070 | -.00459 | .00589 | -.00062 |
| Stddev | .01819  | .00008  | .00363  | .00024  | .00068  | .00018 | .00137  |
| %RSD   | 37.592  | 18.888  | 15.643  | 34.975  | 14.840  | 3.0777 | 221.02  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.03553 | -.00037 | -.02062 | -.00053 | -.00507 | .00576 | .00035  |
| #2 | -.06125 | -.00048 | -.02575 | -.00087 | -.00411 | .00602 | -.00158 |



Sample Name: ICSA01      Acquired: 12/18/2018 12:46:51      Type: Unk  
 Method: P4-ICP2(v2662)      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    | .00314 | .0017  | -.00792 | F 3.6604 | F<.00000 |
| Stddev | .00125 | .0013  | .00192  | .1029    | .25356   |
| %RSD   | 39.700 | 77.37  | 24.268  | 2.8119   | 21.209   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .00226 | .0026 | -.00928 | 3.5876 | -1.0162 |
| #2 | .00403 | .0008 | -.00656 | 3.7332 | -1.3748 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2936.9 | 39535. | 3801.8 | 87.244 | 3077.7 |
| Stddev    | 14.4   | 151.   | 80.7   | .169   | 5.9    |
| %RSD      | .48873 | .38198 | 2.1230 | .19410 | .19189 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2926.8 | 39428. | 3858.9 | 87.364 | 3073.6 |
| #2 | 2947.1 | 39642. | 3744.7 | 87.124 | 3081.9 |

Sample Name: ICSAB01      Acquired: 12/18/2018 12:50:59      Type: Unk  
Method: P4-ICP2(v2662)      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    | .10414 | .09590 | .05349 | .04378 | .64419 | 275.08 | .53485 |
| Stddev | .00520 | .00232 | .00215 | .00705 | .00854 | 2.09   | .00171 |
| %RSD   | 4.9943 | 2.4174 | 4.0166 | 16.095 | 1.3260 | .75853 | .31998 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .10782 | .09754 | .05197 | .03880 | .65023 | 276.56 | .53606 |
| #2 | .10046 | .09427 | .05501 | .04877 | .63815 | 273.61 | .53364 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .55914 | 1.0230 | 246.26 | .58264 | .51648 | .50098 | 98.867 |
| Stddev | .00293 | .0050  | .96    | .00173 | .00390 | .00483 | 1.722  |
| %RSD   | .52430 | .49112 | .38983 | .29748 | .75545 | .96318 | 1.7420 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .56121 | 1.0266 | 246.93 | .58386 | .51924 | .50439 | 100.08 |
| #2 | .55707 | 1.0195 | 245.58 | .58141 | .51372 | .49756 | 97.649 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54809 | 256.22 | 1.0150 | .21549 | .06754 | .52793 | 1.0484 |
| Stddev | .00261 | 2.54   | .0067  | .00034 | .00971 | .00344 | .0113  |
| %RSD   | .47610 | .99254 | .65681 | .15971 | 14.376 | .65173 | 1.0773 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .54993 | 258.02 | 1.0197 | .21574 | .06067 | .53036 | 1.0564 |
| #2 | .54624 | 254.43 | 1.0102 | .21525 | .07440 | .52550 | 1.0404 |

|        |         |          |          |          |          |          |          |
|--------|---------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7664  | Mo2020   | B_2496   | S_1820   | Si2881   | Sn1899   | Ti3361   |
| Units  | ppm     | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.01248 | F 1.1310 | F 1.0847 | F .29490 | F 1.0512 | F 1.1286 | F 1.1057 |
| Stddev | .00574  | .0081    | .0042    | .00392   | .0024    | .0045    | .0047    |
| %RSD   | 45.952  | .71379   | .38856   | 1.3294   | .23016   | .39463   | .42832   |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.01654 | 1.1367 | 1.0877 | .29767 | 1.0529 | 1.1318 | 1.1091 |
| #2 | -.00843 | 1.1253 | 1.0818 | .29213 | 1.0495 | 1.1255 | 1.1024 |

Sample Name: ICSAB01      Acquired: 12/18/2018 12:50:59      Type: Unk  
 Method: P4-ICP2(v2662)      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    | .00232 | F .0048 | F -.00504 | F 3.6236 | F<.00000 |
| Stddev | .00240 | .0001   | .00191    | .0663    | .06981   |
| %RSD   | 103.25 | 2.957   | 37.957    | 1.8287   | 24.178   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .00402 | .0049 | -.00639 | 3.5768 | -.33808 |
| #2 | .00063 | .0047 | -.00368 | 3.6705 | -.23936 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2918.9 | 39720. | 3882.7 | 88.892 | 3061.0 |
| Stddev    | 11.8   | 245.   | 4.3    | .730   | 14.1   |
| %RSD      | .40516 | .61788 | .11176 | .82083 | .46012 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2910.5 | 39547. | 3879.6 | 88.376 | 3051.0 |
| #2 | 2927.2 | 39894. | 3885.7 | 89.408 | 3070.9 |

Sample Name: CCV01      Acquired: 12/18/2018 12:54:57      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0255 | 4.9748 | 4.9617 | 4.9964 | 5.0195 | 10.016 | 9.9495 | .25036   |
| Stddev | .0413  | .0146  | .0248  | .0353  | .0464  | .081   | .1113  | .00093   |
| %RSD   | .82090 | .29349 | .49887 | .70697 | .92356 | .81183 | 1.1184 | .37214   |
| #1     | 5.0547 | 4.9851 | 4.9792 | 5.0214 | 5.0522 | 9.9581 | 10.028 | .25102   |
| #2     | 4.9963 | 4.9645 | 4.9442 | 4.9714 | 4.9867 | 10.073 | 9.8708 | .24970   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4650 | 25.189 | 1.0073 | 2.4667 | 1.2510 | 4.9762 | 2.5187 | 24.877   |
| Stddev | .0099  | .167   | .0040  | .0108  | .0122  | .1904  | .0063  | .214     |
| %RSD   | .40138 | .66480 | .39583 | .43938 | .97865 | 3.8257 | .24927 | .85894   |
| #1     | 2.4720 | 25.307 | 1.0101 | 2.4744 | 1.2596 | 5.1108 | 2.5232 | 25.028   |
| #2     | 2.4580 | 25.071 | 1.0045 | 2.4590 | 1.2423 | 4.8416 | 2.5143 | 24.725   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4612 | 1.2327 | 24.480 | 2.4719 | 2.5278 | 24.646 | 4.9996 | 4.9926   |
| Stddev | .0117  | .0002  | .261   | .0048  | .1023  | .355   | .0370  | .0431    |
| %RSD   | .47458 | .01733 | 1.0679 | .19305 | 4.0461 | 1.4405 | .73946 | .86399   |
| #1     | 2.4695 | 1.2328 | 24.665 | 2.4753 | 2.6001 | 24.897 | 5.0258 | 5.0231   |
| #2     | 2.4529 | 1.2325 | 24.296 | 2.4686 | 2.4555 | 24.395 | 4.9735 | 4.9621   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8598 | 4.9675 | 4.9118 | 4.9968 | 4.9453 | 4.911  | 5.0758 | F 3.0837 |
| Stddev | .0233  | .0610  | .0213  | .0241  | .0512  | .007   | .0599  | .0701    |
| %RSD   | .47962 | 1.2277 | .43377 | .48222 | 1.0361 | .1486  | 1.1807 | 2.2733   |
| #1     | 4.8763 | 5.0106 | 4.9269 | 5.0139 | 4.9815 | 4.916  | 5.1182 | 3.1332   |
| #2     | 4.8434 | 4.9243 | 4.8968 | 4.9798 | 4.9091 | 4.906  | 5.0335 | 3.0341   |

Sample Name: CCV01      Acquired: 12/18/2018 12:54:57      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.2239 |
| Stddev | .3514    |
| %RSD   | 15.800   |

|    |        |
|----|--------|
| #1 | 2.4723 |
| #2 | 1.9754 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3155.5 | 43142. | 3963.4 | 93.604 | 3446.8 |
| Stddev    | 27.5   | 83.    | 61.9   | 3.876  | 17.7   |
| %RSD      | .87280 | .19125 | 1.5611 | 4.1406 | .51318 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3136.0 | 43083. | 3919.6 | 90.864 | 3434.3 |
| #2 | 3175.0 | 43200. | 4007.1 | 96.345 | 3459.3 |

Sample Name: LLCCV01      Acquired: 12/18/2018 12:58:44      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02046 | .04665 | .01191 | .01998 | .05743 | .09215 | .11178 | .00636 |
| Stddev | .00019 | .00001 | .00044 | .00042 | .00153 | .01011 | .00322 | .00027 |
| %RSD   | .94845 | .02809 | 3.7102 | 2.1038 | 2.6697 | 10.966 | 2.8826 | 4.1957 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02060 | .04664 | .01160 | .01969 | .05635 | .09929 | .11406 | .00655 |
| #2 | .02033 | .04666 | .01223 | .02028 | .05852 | .08500 | .10950 | .00617 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00585 | 2.2025 | .01076 | .03294 | .01988 | .10950 | .02272 | 2.2963 |
| Stddev | .00011 | .0365  | .00066 | .00013 | .00021 | .00629 | .00078 | .0031  |
| %RSD   | 1.8270 | 1.6584 | 6.1200 | .39381 | 1.0687 | 5.7425 | 3.4399 | .13537 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00592 | 2.2283 | .01123 | .03303 | .01973 | .11394 | .02327 | 2.2985 |
| #2 | .00577 | 2.1766 | .01030 | .03284 | .02003 | .10505 | .02217 | 2.2941 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04343 | .00987 | 2.0368 | .04487 | .04544 | 2.0800 | .20515 | .10997 |
| Stddev | .00047 | .00060 | .0326  | .00112 | .00042 | .0003  | .00115 | .00885 |
| %RSD   | 1.0875 | 6.0888 | 1.6005 | 2.5028 | .93262 | .01654 | .56021 | 8.0496 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04377 | .01029 | 2.0599 | .04567 | .04574 | 2.0802 | .20596 | .11623 |
| #2 | .04310 | .00944 | 2.0138 | .04408 | .04514 | 2.0798 | .20433 | .10371 |

|        |          |        |        |        |        |        |        |          |
|--------|----------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F .01012 | .41778 | .04081 | .04459 | .01712 | .0172  | .02128 | F 2.0131 |
| Stddev | .00090   | .01071 | .00046 | .00014 | .00031 | .0008  | .00045 | .4672    |
| %RSD   | 8.9412   | 2.5625 | 1.1376 | .31748 | 1.8170 | 4.789  | 2.0921 | 23.209   |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .01076 | .42535 | .04114 | .04469 | .01734 | .0167 | .02160 | 2.3434 |
| #2 | .00948 | .41021 | .04048 | .04449 | .01690 | .0178 | .02097 | 1.6827 |

Sample Name: LLCCV01      Acquired: 12/18/2018 12:58:44      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .85775 |
| Stddev | .27408   |
| %RSD   | 31.953   |

|    |        |
|----|--------|
| #1 | .66394 |
| #2 | 1.0516 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3315.8 | 45931. | 3984.2 | 98.867 | 3921.7 |
| Stddev    | 18.6   | 1342.  | 91.9   | .495   | 18.1   |
| %RSD      | .55964 | 2.9211 | 2.3065 | .50065 | .46143 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3302.7 | 44983. | 3919.3 | 98.517 | 3908.9 |
| #2 | 3329.0 | 46880. | 4049.2 | 99.217 | 3934.5 |

Sample Name: CCB01      Acquired: 12/18/2018 13:02:49      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00133  | .00129  | -.00094 | -.00053 | .00236  | -.01178 | .00065  | .00004   |
| Stddev | .00089  | .00144  | .00023  | .00127  | .00134  | .00093  | .00034  | .00002   |
| %RSD   | 66.721  | 111.56  | 24.865  | 238.89  | 56.908  | 7.8912  | 52.236  | 38.503   |
| #1     | .00195  | .00231  | -.00078 | -.00143 | .00331  | -.01112 | .00041  | .00006   |
| #2     | .00070  | .00027  | -.00111 | .00037  | .00141  | -.01243 | .00089  | .00003   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00003  | -.01375 | .00008  | -.00012 | -.00140 | -.00890 | -.00008 | .04550   |
| Stddev | .00001  | .00209  | .00003  | .00017  | .00004  | .00253  | .00006  | .00519   |
| %RSD   | 40.703  | 15.196  | 33.756  | 136.01  | 2.6153  | 28.435  | 76.865  | 11.398   |
| #1     | .00002  | -.01227 | .00006  | -.00024 | -.00137 | -.01069 | -.00013 | .04183   |
| #2     | .00003  | -.01523 | .00010  | -.00000 | -.00142 | -.00711 | -.00004 | .04917   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00007  | .00006  | -.14917 | .00008  | -.00146 | -.06063 | -.00002 | -.00028  |
| Stddev | .00014  | .00016  | .00806  | .00012  | .00002  | .00120  | .00018  | .00150   |
| %RSD   | 210.89  | 285.91  | 5.4057  | 143.86  | 1.1181  | 1.9781  | 1099.8  | 531.84   |
| #1     | -.00003 | -.00006 | -.15487 | -.00000 | -.00147 | -.05978 | .00011  | -.00134  |
| #2     | .00017  | .00017  | -.14347 | .00016  | -.00145 | -.06147 | -.00014 | .00078   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00674 | .00451  | -.00007 | .00297  | -.00255 | -.0003  | .00003  | F 2.2493 |
| Stddev | .00495  | .00117  | .00019  | .00048  | .00145  | .0011   | .00003  | .0798    |
| %RSD   | 73.402  | 25.974  | 268.09  | 16.281  | 56.833  | 399.6   | 86.158  | 3.5468   |
| #1     | -.00324 | .00368  | .00006  | .00331  | -.00357 | -.0011  | .00005  | 2.1929   |
| #2     | -.01024 | .00534  | -.00021 | .00263  | -.00153 | .0005   | .00001  | 2.3057   |



Sample Name: CCB01      Acquired: 12/18/2018 13:02:49      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .24751  
Stddev      .29574  
%RSD      119.48

#1      .45663  
#2      .03839

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3314.1 | 45060. | 3990.1 | 99.575 | 3936.9 |
| Stddev    | 6.9    | 201.   | 49.4   | .059   | 9.3    |
| %RSD      | .20839 | .44551 | 1.2376 | .05918 | .23537 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3309.2 | 45202. | 3955.2 | 99.533 | 3943.4 |
| #2 | 3319.0 | 44918. | 4025.0 | 99.617 | 3930.3 |

Sample Name: LR CHECK1      Acquired: 12/18/2018 13:06:55      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.04663 | -.07874 | -.03254 | -.13337 | .05028  | 1908.9   | .00409  | .00357   |
| Stddev | .01436  | .00443  | .00404  | .01073  | .00269  | 19.5     | .00046  | .00027   |
| %RSD   | 30.783  | 5.6315  | 12.412  | 8.0417  | 5.3458  | 1.0212   | 11.319  | 7.4476   |
| #1     | -.05679 | -.07560 | -.02969 | -.14096 | .05218  | 1895.1   | .00442  | .00376   |
| #2     | -.03648 | -.08188 | -.03540 | -.12579 | .04838  | 1922.7   | .00376  | .00338   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404   | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     | ppm      |
| Avg    | .02225  | 1748.7  | .10430  | .04361  | -.06945 | F 913.28 | .03228  | F 1834.1 |
| Stddev | .00191  | 28.5    | .00010  | .00052  | .00550  | 22.92    | .00035  | 15.2     |
| %RSD   | 8.5879  | 1.6284  | .09917  | 1.1907  | 7.9210  | 2.5100   | 1.0702  | .82857   |
| #1     | .02360  | 1768.8  | .10438  | .04398  | -.06556 | 897.07   | .03252  | 1844.9   |
| #2     | .02090  | 1728.5  | .10423  | .04324  | -.07334 | 929.49   | .03204  | 1823.4   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664   | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     | ppm      |
| Avg    | .10264  | -.05685 | 1728.0  | .00438  | .11029  | F 1033.1 | .01133  | -.26990  |
| Stddev | .00045  | .00254  | 46.8    | .00113  | .00328  | 30.0     | .00057  | .02830   |
| %RSD   | .43484  | 4.4645  | 2.7108  | 25.702  | 2.9723  | 2.8990   | 5.0139  | 10.485   |
| #1     | .10233  | -.05865 | 1761.2  | .00359  | .10798  | 1054.3   | .01173  | -.28991  |
| #2     | .10296  | -.05506 | 1694.9  | .00518  | .11261  | 1012.0   | .01093  | -.24989  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774   | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     | ppm      |
| Avg    | .40868  | -.00918 | .03781  | -.04924 | .04725  | .0483    | -.98795 | 3.6126   |
| Stddev | .00575  | .00156  | .00216  | .00263  | .00256  | .0054    | .02515  | .0367    |
| %RSD   | 1.4065  | 16.962  | 5.7205  | 5.3470  | 5.4131  | 11.09    | 2.5459  | 1.0158   |
| #1     | .40462  | -.00808 | .03628  | -.05110 | .04544  | .0520    | -.97017 | 3.6385   |
| #2     | .41275  | -.01029 | .03933  | -.04738 | .04906  | .0445    | -1.0057 | 3.5866   |

Sample Name: LR CHECK1      Acquired: 12/18/2018 13:06:55      Type: Unk  
 Method: P4-ICP2(v2662)      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       | 2214.5 | 30475. | 3455.0 | 71.276 | 1972.2 |
| Stddev    | 1.5    | 5.     | 23.9   | 1.911  | 3.2    |
| %RSD      | .06884 | .01503 | .69133 | 2.6809 | .16208 |
| #1        | 2213.4 | 30472. | 3438.1 | 72.627 | 1970.0 |
| #2        | 2215.6 | 30478. | 3471.9 | 69.925 | 1974.5 |

Sample Name: LR CHECK2      Acquired: 12/18/2018 13:11:22      Type: Unk  
Method: P4-ICP2(v2662)      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 | -.01665 | F 251.80 | .01528  | -.03638  | -.30784 | 97.120  | -.00096 |
| Stddev | .00036  | .00264  | 1.18     | .00031  | .00121   | .00597  | 1.065   | .00006  |
| %RSD   | 28.859  | 15.874  | .46954   | 2.0212  | 3.3188   | 1.9407  | 1.0969  | 6.2716  |
| #1     | -.00152 | -.01478 | 252.63   | .01506  | -.03553  | -.30362 | 97.873  | -.00092 |
| #2     | -.00100 | -.01852 | 250.96   | .01550  | -.03723  | -.31207 | 96.367  | -.00101 |
| Elem   | Cd2265  | Ca3736  | Cr2677   | Co2286  | Cu2247   | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     |
| Avg    | -.00779 | .19734  | -.13559  | -.00783 | F 261.27 | -.84434 | 43.671  | -.10486 |
| Stddev | .00017  | .00609  | .00048   | .00011  | 2.61     | .01105  | .463    | .00395  |
| %RSD   | 2.2112  | 3.0865  | .35708   | 1.4201  | .99896   | 1.3092  | 1.0605  | 3.7634  |
| #1     | -.00791 | .19303  | -.13593  | -.00791 | 263.12   | -.83652 | 43.343  | -.10765 |
| #2     | -.00767 | .20165  | -.13525  | -.00775 | 259.42   | -.85216 | 43.998  | -.10207 |
| Elem   | Ni2316  | Ag3280  | Na5895   | V_2924  | Zn2138   | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     |
| Avg    | 49.537  | .00907  | .97491   | -.00360 | F 37.354 | .85970  | -.00238 | .00276  |
| Stddev | .200    | .00024  | .05146   | .00009  | .264     | .04041  | .00042  | .00438  |
| %RSD   | .40356  | 2.5944  | 5.2784   | 2.4371  | .70591   | 4.7010  | 17.596  | 158.52  |
| #1     | 49.679  | .00923  | 1.0113   | -.00366 | 37.168   | .88828  | -.00209 | -.00033 |
| #2     | 49.396  | .00890  | .93852   | -.00354 | 37.541   | .83112  | -.00268 | .00585  |
| Elem   | S_1820  | Si2881  | Sn1899   | Ti3361  | Li6707   | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     |
| Avg    | .05213  | -.00127 | .00078   | .02552  | .00109   | -.0888  | .00311  | 3.0644  |
| Stddev | .00467  | .00102  | .00046   | .00141  | .00147   | .0012   | .00019  | .0260   |
| %RSD   | 8.9532  | 80.451  | 58.512   | 5.5452  | 135.38   | 1.402   | 6.0174  | .84890  |
| #1     | .05543  | -.00055 | .00110   | .02451  | .00213   | -.0897  | .00298  | 3.0460  |
| #2     | .04883  | -.00199 | .00046   | .02652  | .00005   | -.0880  | .00324  | 3.0828  |

Sample Name: LR CHECK2      Acquired: 12/18/2018 13:11:22      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .99769 |
| Stddev | .05042 |
| %RSD   | 5.0535 |

|    |        |
|----|--------|
| #1 | .96204 |
| #2 | 1.0333 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3030.7 | 43622. | 4002.6 | 92.633 | 3515.3 |
| Stddev    | 8.3    | 260.   | 15.2   | .342   | 11.6   |
| %RSD      | .27482 | .59631 | .37894 | .36895 | .32996 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3024.8 | 43806. | 3991.9 | 92.875 | 3507.1 |
| #2 | 3036.6 | 43438. | 4013.3 | 92.392 | 3523.5 |

Sample Name: J6424-05      Acquired: 12/18/2018 13:15:47      Type: Unk  
Method: P4-ICP2(v2662)      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    | .01930 | -.00133 | .03407 | -.00657 | .00187 | 13.296 | .05268 | .00081 |
| Stddev | .00082 | .00009  | .00444 | .00492  | .00005 | .027   | .00007 | .00008 |
| %RSD   | 4.2309 | 6.8760  | 13.032 | 74.914  | 2.6349 | .19974 | .14023 | 9.6350 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .01872 | -.00139 | .03721 | -.01005 | .00183 | 13.277 | .05273 | .00086 |
| #2 | .01987 | -.00126 | .03093 | -.00309 | .00190 | 13.315 | .05263 | .00075 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00109 | .76226 | .04822 | .00680 | .01245 | 34.849 | .30996 | 1.2660 |
| Stddev | .00006  | .00779 | .00011 | .00021 | .00011 | .463   | .00009 | .0068  |
| %RSD   | 5.9062  | 1.0216 | .21938 | 3.0157 | .85517 | 1.3275 | .02869 | .53820 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00104 | .76776 | .04829 | .00666 | .01253 | 34.521 | .31002 | 1.2708 |
| #2 | -.00114 | .75675 | .04814 | .00695 | .01238 | 35.176 | .30990 | 1.2612 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .02139 | -.00122 | .72216 | .04347 | .05625 | 1.1194 | .00220 | -.00308 |
| Stddev | .00023 | .00032  | .01665 | .00001 | .00007 | .0273  | .00014 | .00342  |
| %RSD   | 1.0920 | 26.339  | 2.3054 | .02157 | .12751 | 2.4349 | 6.4816 | 110.89  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .02123 | -.00145 | .71038 | .04346 | .05620 | 1.1001 | .00210 | -.00066 |
| #2 | .02156 | -.00099 | .73393 | .04347 | .05630 | 1.1387 | .00230 | -.00550 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .04992 | 1.3122 | .00028 | .31865 | .00689 | .7651  | -.02964 | 2.4668 |
| Stddev | .00323 | .0164  | .00063 | .00390 | .00123 | .0008  | .00048  | .0799  |
| %RSD   | 6.4678 | 1.2473 | 229.97 | 1.2250 | 17.900 | .1060  | 1.6275  | 3.2411 |

|    |        |        |         |        |        |       |         |        |
|----|--------|--------|---------|--------|--------|-------|---------|--------|
| #1 | .05221 | 1.3006 | .00072  | .31588 | .00601 | .7645 | -.02930 | 2.5233 |
| #2 | .04764 | 1.3237 | -.00017 | .32141 | .00776 | .7657 | -.02999 | 2.4103 |

Sample Name: J6424-05      Acquired: 12/18/2018 13:15:47      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.5948  
Stddev      .0367  
%RSD      1.0197

#1      3.5688  
#2      3.6207

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3255.9 | 44789. | 3974.1 | 96.446 | 3775.7 |
| Stddev    | 12.7   | 126.   | 2.4    | .713   | 11.6   |
| %RSD      | .38930 | .28240 | .05928 | .73927 | .30813 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3246.9 | 44700. | 3972.4 | 96.950 | 3767.5 |
| #2 | 3264.9 | 44879. | 3975.7 | 95.942 | 3784.0 |

Sample Name: J6424-05DUP      Acquired: 12/18/2018 13:19:49      Type: Unk  
Method: P4-ICP2(v2662)      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    | .02267 | .00047 | .01930 | -.00415 | .00279 | 13.314 | .05072 | .00093 |
| Stddev | .00102 | .00067 | .00009 | .00275  | .00017 | .103   | .00070 | .00002 |
| %RSD   | 4.5042 | 143.25 | .47806 | 66.143  | 6.2097 | .77706 | 1.3744 | 1.8609 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .02340 | -.00001 | .01936 | -.00609 | .00267 | 13.387 | .05022 | .00092 |
| #2 | .02195 | .00094  | .01923 | -.00221 | .00292 | 13.240 | .05121 | .00095 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00102 | .75017 | .04768 | .00693 | .01098 | 34.775 | .31238 | 1.2709 |
| Stddev | .00005  | .00155 | .00042 | .00044 | .00000 | .127   | .00073 | .0003  |
| %RSD   | 4.4892  | .20693 | .88541 | 6.2779 | .03601 | .36549 | .23263 | .02680 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00099 | .74908 | .04798 | .00662 | .01098 | 34.685 | .31290 | 1.2706 |
| #2 | -.00105 | .75127 | .04739 | .00724 | .01098 | 34.865 | .31187 | 1.2711 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .02095 | -.00177 | .61291 | .04387 | .05285 | 1.0062 | .00215 | -.00266 |
| Stddev | .00037 | .00013  | .01221 | .00034 | .00012 | .0130  | .00013 | .00845  |
| %RSD   | 1.7554 | 7.3336  | 1.9915 | .76622 | .22512 | 1.2955 | 6.2589 | 317.13  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .02121 | -.00167 | .60428 | .04363 | .05293 | 1.0155 | .00224 | -.00864 |
| #2 | .02069 | -.00186 | .62154 | .04411 | .05276 | .99702 | .00205 | .00331  |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .05001 | 1.2557 | .00042 | .31436 | .00526 | .7605  | -.02956 | 2.4481 |
| Stddev | .00185 | .0062  | .00000 | .00513 | .00065 | .0045  | .00009  | .2425  |
| %RSD   | 3.7094 | .49672 | .84702 | 1.6320 | 12.266 | .5862  | .31022  | 9.9035 |

|    |        |        |        |        |        |       |         |        |
|----|--------|--------|--------|--------|--------|-------|---------|--------|
| #1 | .05132 | 1.2601 | .00042 | .31799 | .00572 | .7574 | -.02949 | 2.6196 |
| #2 | .04869 | 1.2513 | .00042 | .31073 | .00481 | .7637 | -.02962 | 2.2767 |



Sample Name: J6424-05DUP      Acquired: 12/18/2018 13:19:49      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.7271  
Stddev      .3110  
%RSD      8.3448

#1      3.9470  
#2      3.5072

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3258.0 | 44763. | 4008.1 | 97.650 | 3782.0 |
| Stddev    | 6.3    | 211.   | 11.2   | .271   | 9.4    |
| %RSD      | .19356 | .47105 | .27922 | .27758 | .24832 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3253.6 | 44614. | 4000.2 | 97.842 | 3775.3 |
| #2 | 3262.5 | 44913. | 4016.0 | 97.458 | 3788.6 |

Sample Name: J6424-05LX5      Acquired: 12/18/2018 13:23:49      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00524 | .00039 | .01788 | -.00288 | .00074 | 2.6890 | .01096 | .00015 |
| Stddev | .00186 | .00033 | .00030 | .00031  | .00022 | .0267  | .00015 | .00003 |
| %RSD   | 35.449 | 83.891 | 1.6624 | 10.928  | 29.709 | .99234 | 1.3289 | 19.313 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00393 | .00063 | .01767 | -.00266 | .00059 | 2.7079 | .01106 | .00013 |
| #2 | .00656 | .00016 | .01809 | -.00310 | .00090 | 2.6701 | .01086 | .00018 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00029 | .16546 | .00961 | .00145 | .00184 | 6.8892 | .06491 | .30181 |
| Stddev | .00001  | .00570 | .00016 | .00009 | .00063 | .0400  | .00015 | .03708 |
| %RSD   | 2.3913  | 3.4452 | 1.6975 | 6.2435 | 34.167 | .58047 | .22705 | 12.284 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00030 | .16949 | .00973 | .00138 | .00139 | 6.9175 | .06480 | .32803 |
| #2 | -.00029 | .16143 | .00950 | .00151 | .00228 | 6.8609 | .06501 | .27560 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00433 | -.00005 | .14807 | .00914 | .01370 | .26014 | .00032 | -.00208 |
| Stddev | .00015 | .00013  | .00893 | .00033 | .00044 | .01182 | .00023 | .00194  |
| %RSD   | 3.4894 | 254.44  | 6.0279 | 3.6115 | 3.1805 | 4.5420 | 72.965 | 93.324  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .00443 | .00004  | .15438 | .00937 | .01401 | .26849 | .00048 | -.00345 |
| #2 | .00422 | -.00014 | .14176 | .00890 | .01340 | .25178 | .00015 | -.00071 |

|        |        |        |         |        |        |        |         |        |
|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00097 | .26897 | -.00046 | .06429 | .00090 | .1562  | -.00576 | 2.3948 |
| Stddev | .00025 | .00821 | .00100  | .00118 | .00097 | .0003  | .00004  | .2501  |
| %RSD   | 25.918 | 3.0539 | 217.54  | 1.8387 | 108.31 | .1896  | .72557  | 10.442 |

|    |        |        |         |        |        |       |         |        |
|----|--------|--------|---------|--------|--------|-------|---------|--------|
| #1 | .00115 | .26316 | -.00117 | .06513 | .00158 | .1564 | -.00579 | 2.5716 |
| #2 | .00080 | .27478 | .00025  | .06346 | .00021 | .1560 | -.00573 | 2.2179 |

Sample Name: J6424-05LX5      Acquired: 12/18/2018 13:23:49      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.5412  
 Stddev      .1608  
 %RSD      10.435

#1      1.4275  
 #2      1.6549

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3241.2 | 44454. | 3973.3 | 97.975 | 3834.4 |
| Stddev    | 1.0    | 236.   | 16.5   | .742   | 11.9   |
| %RSD      | .03084 | .52979 | .41563 | .75781 | .31009 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3241.9 | 44287. | 3961.6 | 97.450 | 3826.0 |
| #2 | 3240.5 | 44620. | 3985.0 | 98.500 | 3842.8 |

Sample Name: J6424-05MS      Acquired: 12/18/2018 13:27:50      Type: Unk  
Method: P4-ICP2(v2662)      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    | .80155 | 1.9768 | 1.0014 | 1.9159 | .57301 | 17.758 | .27247 | .19897 | .19051 |
| Stddev | .00623 | .0004  | .0001  | .0007  | .00217 | .020   | .00270 | .00008 | .00005 |
| %RSD   | .77754 | .02188 | .00882 | .03523 | .37915 | .11214 | .99145 | .03850 | .02480 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .79714 | 1.9771 | 1.0013 | 1.9154 | .57148 | 17.744 | .27438 | .19892 | .19054 |
| #2 | .80596 | 1.9765 | 1.0015 | 1.9164 | .57455 | 17.772 | .27056 | .19903 | .19047 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.8420 | .46387 | .21044 | .32998 | 43.498 | .53776 | 3.6056 | .52008 | .07057 |
| Stddev | .0054  | .00427 | .00000 | .00132 | .930   | .00061 | .0415  | .00034 | .00047 |
| %RSD   | .29482 | .91997 | .00012 | .39915 | 2.1377 | .11342 | 1.1510 | .06585 | .66808 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.8459 | .46085 | .21044 | .32905 | 44.156 | .53733 | 3.5763 | .52032 | .07023 |
| #2 | 1.8382 | .46689 | .21044 | .33091 | 42.841 | .53819 | 3.6350 | .51984 | .07090 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.6762 | .35001 | .25836 | 11.549 | .39015 | .28577 | .05343 | 1.7236 | .63385 |
| Stddev | .0333  | .00060 | .00618 | .106   | .00109 | .00761 | .00090 | .0282  | .00113 |
| %RSD   | .90611 | .17202 | 2.3908 | .92027 | .27972 | 2.6613 | 1.6766 | 1.6373 | .17777 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.6997 | .34958 | .26272 | 11.624 | .38938 | .29115 | .05406 | 1.7435 | .63305 |
| #2 | 3.6526 | .35044 | .25399 | 11.474 | .39092 | .28039 | .05279 | 1.7036 | .63465 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51898 | .21291 | 6.079  | .17765 | 2.4772 | .72845 |
| Stddev | .00759 | .00019 | .015   | .00176 | .1630  | .28231 |
| %RSD   | 1.4621 | .08860 | .2449  | .99175 | 6.5815 | 38.755 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .52435 | .21278 | 6.090 | .17889 | 2.3619 | .92807 |
| #2 | .51362 | .21304 | 6.069 | .17640 | 2.5925 | .52883 |

Sample Name: J6424-05MS      Acquired: 12/18/2018 13:27:50      Type: Unk  
Method: P4-ICP2(v2662)      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       | 3200.8 | 44230. | 3951.9 | 96.766 | 3677.5 |
| Stddev    | 9.9    | 36.    | 67.6   | 2.141  | 8.9    |
| %RSD      | .30907 | .08109 | 1.7117 | 2.2122 | .24264 |
| #1        | 3207.8 | 44255. | 3904.1 | 95.252 | 3671.2 |
| #2        | 3193.8 | 44205. | 3999.8 | 98.280 | 3683.8 |

Sample Name: J6424-05MSD      Acquired: 12/18/2018 13:31:39      Type: Unk  
Method: P4-ICP2(v2662)      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    | .79054 | 1.9489 | .98534 | 1.8860 | .56082 | 17.074 | .26511 | .19632 | .18753 |
| Stddev | .00170 | .0057  | .00380 | .0068  | .00004 | .137   | .00031 | .00066 | .00007 |
| %RSD   | .21558 | .29520 | .38552 | .36018 | .00744 | .80009 | .11581 | .33640 | .03967 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .78933 | 1.9529 | .98266 | 1.8812 | .56079 | 16.977 | .26489 | .19679 | .18747 |
| #2 | .79174 | 1.9448 | .98803 | 1.8908 | .56085 | 17.171 | .26532 | .19585 | .18758 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.8156 | .45379 | .20614 | .32485 | 40.040 | .52300 | 3.4893 | .51145 | .06992 |
| Stddev | .0010  | .00043 | .00031 | .00083 | .132   | .00086 | .0097  | .00129 | .00021 |
| %RSD   | .05210 | .09568 | .14804 | .25573 | .32882 | .16419 | .27827 | .25130 | .29420 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.8149 | .45409 | .20593 | .32426 | 39.947 | .52361 | 3.4824 | .51236 | .06978 |
| #2 | 1.8163 | .45348 | .20636 | .32543 | 40.133 | .52239 | 3.4962 | .51054 | .07007 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.5781 | .34488 | .25256 | 11.221 | .38512 | .27974 | .04921 | 1.5781 | .61977 |
| Stddev | .0121  | .00210 | .00349 | .048   | .00056 | .00106 | .00303 | .0092  | .00004 |
| %RSD   | .33801 | .60811 | 1.3833 | .42965 | .14477 | .38035 | 6.1526 | .58089 | .00587 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.5695 | .34636 | .25503 | 11.186 | .38472 | .27898 | .04706 | 1.5717 | .61979 |
| #2 | 3.5866 | .34340 | .25009 | 11.255 | .38551 | .28049 | .05135 | 1.5846 | .61974 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50544 | .20633 | 5.952  | .17595 | 2.1726 | 1.8798 |
| Stddev | .00124 | .00100 | .010   | .00128 | .0595  | .3525  |
| %RSD   | .24582 | .48409 | .1705  | .72605 | 2.7361 | 18.752 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .50456 | .20562 | 5.945 | .17505 | 2.2146 | 1.6306 |
| #2 | .50632 | .20703 | 5.960 | .17686 | 2.1306 | 2.1291 |

Sample Name: J6424-05MSD      Acquired: 12/18/2018 13:31:39      Type: Unk  
Method: P4-ICP2(v2662)      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       | 3223.6 | 44535. | 3985.1 | 97.534 | 3711.7 |
| Stddev    | .2     | 140.   | 26.2   | 1.614  | 9.2    |
| %RSD      | .00655 | .31520 | .65657 | 1.6550 | .24821 |
| #1        | 3223.4 | 44436. | 3966.6 | 96.392 | 3705.2 |
| #2        | 3223.7 | 44635. | 4003.6 | 98.675 | 3718.3 |

Sample Name: J6424-05A      Acquired: 12/18/2018 13:35:27      Type: Unk  
Method: P4-ICP2(v2662)      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    | .79268 | 1.9642 | .99389 | 1.8928 | .56121 | 16.922 | .26053 | .19662 | .18918 |
| Stddev | .00179 | .0089  | .00491 | .0053  | .00189 | .009   | .00719 | .00028 | .00061 |
| %RSD   | .22594 | .45219 | .49435 | .27935 | .33617 | .05252 | 2.7611 | .14351 | .32179 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .79395 | 1.9580 | .99041 | 1.8891 | .55987 | 16.929 | .26562 | .19642 | .18875 |
| #2 | .79141 | 1.9705 | .99736 | 1.8966 | .56254 | 16.916 | .25545 | .19682 | .18961 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.7747 | .45567 | .20717 | .32638 | 38.422 | .52223 | 3.4037 | .51382 | .06964 |
| Stddev | .0331  | .00049 | .00066 | .00061 | 1.374  | .00100 | .0719  | .00066 | .00037 |
| %RSD   | 1.8637 | .10763 | .32029 | .18729 | 3.5754 | .19095 | 2.1116 | .12862 | .53001 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.7981 | .45533 | .20670 | .32595 | 39.393 | .52153 | 3.4545 | .51335 | .06990 |
| #2 | 1.7513 | .45602 | .20764 | .32681 | 37.450 | .52294 | 3.3528 | .51429 | .06938 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.5215 | .34470 | .24857 | 11.076 | .38512 | .27174 | .05153 | 1.5439 | .62506 |
| Stddev | .0878  | .00067 | .00903 | .261   | .00064 | .00180 | .00074 | .0537  | .00080 |
| %RSD   | 2.4930 | .19481 | 3.6314 | 2.3564 | .16727 | .66321 | 1.4275 | 3.4766 | .12767 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.5836 | .34422 | .25495 | 11.261 | .38558 | .27301 | .05101 | 1.5819 | .62450 |
| #2 | 3.4595 | .34517 | .24218 | 10.892 | .38467 | .27046 | .05205 | 1.5060 | .62563 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .49554 | .20507 | 5.966  | .17395 | 2.3250 | 1.7724 |
| Stddev | .00883 | .00291 | .013   | .00280 | .0336  | .6801  |
| %RSD   | 1.7813 | 1.4178 | .2249  | 1.6125 | 1.4457 | 38.371 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .50178 | .20713 | 5.957 | .17594 | 2.3012 | 2.2533 |
| #2 | .48930 | .20301 | 5.976 | .17197 | 2.3487 | 1.2915 |



Sample Name: J6424-05A      Acquired: 12/18/2018 13:35:27      Type: Unk  
 Method: P4-ICP2(v2662)      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       | 3216.0 | 44569. | 4008.1 | 98.983 | 3697.1 |
| Stddev    | 6.9    | 22.    | 81.2   | 3.653  | 9.7    |
| %RSD      | .21560 | .05018 | 2.0271 | 3.6909 | .26106 |
| #1        | 3211.1 | 44585. | 3950.6 | 96.400 | 3703.9 |
| #2        | 3220.9 | 44554. | 4065.5 | 101.57 | 3690.2 |

Sample Name: J6438-05      Acquired: 12/18/2018 13:39:16      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-1      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |        |        |        |        |
|--------|---------|---------|---------|---------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.02893 | -.02076 | -.12254 | -.14170 | .02961 | 1.7840 | .39350 | .00345 |
| Stddev | .00410  | .00620  | .01447  | .02641  | .00019 | .0270  | .02699 | .00023 |
| %RSD   | 14.172  | 29.874  | 11.807  | 18.639  | .62691 | 1.5112 | 6.8601 | 6.6118 |

|    |         |         |         |         |        |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|--------|
| #1 | -.02603 | -.01638 | -.13277 | -.12302 | .02974 | 1.8030 | .41259 | .00361 |
| #2 | -.03183 | -.02515 | -.11231 | -.16037 | .02948 | 1.7649 | .37441 | .00329 |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00218 | 98.032 | -.01803 | .00087 | -.21327 | 876.41 | 4.4668 | 24.238 |
| Stddev | .00846  | 5.961  | .00249  | .00030 | .02792  | 62.69  | .0532  | 1.667  |
| %RSD   | 388.25  | 6.0809 | 13.787  | 34.687 | 13.093  | 7.1525 | 1.1899 | 6.8767 |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | -.00817 | 102.25 | -.01979 | .00065 | -.23301 | 920.74 | 4.5044 | 25.417 |
| #2 | .00381  | 93.817 | -.01627 | .00108 | -.19352 | 832.08 | 4.4293 | 23.060 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .03869 | -.04250 | 686.74 | .00440 | 1.2584 | 8.1758 | -.00556 | -.03725 |
| Stddev | .00018 | .00616  | 32.97  | .00037 | .0696  | .4376  | .00032  | .01169  |
| %RSD   | .45499 | 14.485  | 4.8008 | 8.4787 | 5.5295 | 5.3527 | 5.8336  | 31.381  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .03857 | -.03814 | 710.05 | .00414 | 1.3076 | 8.4852 | -.00579 | -.02899 |
| #2 | .03882 | -.04685 | 663.42 | .00466 | 1.2092 | 7.8663 | -.00533 | -.04552 |

|        |          |        |        |        |        |        |         |        |
|--------|----------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | F 18.050 | 3.0205 | .00525 | .00541 | .01050 | .8577  | -.40218 | .72771 |
| Stddev | .256     | .1694  | .00000 | .00012 | .00100 | .0139  | .03390  | .06589 |
| %RSD   | 1.4201   | 5.6066 | .03691 | 2.1770 | 9.5542 | 1.616  | 8.4295  | 9.0543 |

|    |        |        |        |        |        |       |         |        |
|----|--------|--------|--------|--------|--------|-------|---------|--------|
| #1 | 17.869 | 3.1403 | .00525 | .00533 | .01121 | .8479 | -.42615 | .77430 |
| #2 | 18.231 | 2.9008 | .00525 | .00549 | .00979 | .8675 | -.37821 | .68112 |

Sample Name: J6438-05      Acquired: 12/18/2018 13:39:16      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMP-1      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       | 2686.2 | 36788. | 3913.8 | 89.390 | 2748.3 |
| Stddev    | 17.8   | 411.   | 219.4  | 5.573  | 25.3   |
| %RSD      | .66223 | 1.1175 | 5.6053 | 6.2347 | .92124 |
| #1        | 2698.8 | 36498. | 3758.7 | 85.450 | 2766.2 |
| #2        | 2673.6 | 37079. | 4068.9 | 93.331 | 2730.4 |

Sample Name: J6438-09      Acquired: 12/18/2018 13:43:18      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-2      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |        |        |        |
|--------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.02381 | -.00382 | -.04784 | -.03741 | .00954 | 1.1964 | .17289 |
| Stddev | .00033  | .00127  | .00030  | .00503  | .00037 | .0073  | .00151 |
| %RSD   | 1.3765  | 33.329  | .62454  | 13.452  | 3.9068 | .61251 | .87071 |

|    |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.02404 | -.00473 | -.04806 | -.03385 | .00928 | 1.2016 | .17182 |
| #2 | -.02358 | -.00292 | -.04763 | -.04097 | .00981 | 1.1912 | .17395 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00086 | .00568 | 83.021 | .02396 | .00657 | -.04040 | 337.40 |
| Stddev | .00008 | .00056 | .812   | .00047 | .00005 | .00095  | 4.07   |
| %RSD   | 8.9624 | 9.9036 | .97864 | 1.9607 | .79992 | 2.3619  | 1.2073 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00092 | .00528 | 82.447 | .02363 | .00653 | -.04107 | 340.28 |
| #2 | .00081 | .00608 | 83.596 | .02430 | .00661 | -.03972 | 334.52 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.9460 | 11.804 | .01410 | -.01086 | 205.34 | .00227 | 1.8996 |
| Stddev | .0033  | .164   | .00012 | .00038  | .65    | .00040 | .0374  |
| %RSD   | .17112 | 1.3855 | .83641 | 3.4876  | .31550 | 17.633 | 1.9707 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.9484 | 11.688 | .01418 | -.01059 | 205.80 | .00256 | 1.9260 |
| #2 | 1.9437 | 11.920 | .01401 | -.01113 | 204.89 | .00199 | 1.8731 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 23.006 | .00571 | .04294 | F 15.368 | 2.5504 | .00069 | .00202 |
| Stddev | .160   | .00082 | .01025 | .022     | .0167  | .00076 | .00016 |
| %RSD   | .69745 | 14.312 | 23.869 | .14414   | .65474 | 111.11 | 7.6805 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 22.892 | .00628 | .05019 | 15.353 | 2.5386 | .00015 | .00191 |
| #2 | 23.119 | .00513 | .03569 | 15.384 | 2.5622 | .00123 | .00213 |

Sample Name: J6438-09      Acquired: 12/18/2018 13:43:18      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMP-2      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01464 | .1598  | .27658 | 2.7881 | F<.00000 |
| Stddev | .00300 | .0013  | .00799 | .1611  | .50775   |
| %RSD   | 20.516 | .7951  | 2.8902 | 5.7786 | .67506   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .01252 | .1589 | .27092 | 2.9020 | -74.856 |
| #2 | .01676 | .1607 | .28223 | 2.6742 | -75.574 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2901.4 | 39520. | 3786.4 | 89.024 | 3166.0 |
| Stddev    | 15.8   | 232.   | 13.7   | 2.042  | 5.3    |
| %RSD      | .54559 | .58590 | .36309 | 2.2932 | .16742 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2890.2 | 39357. | 3776.7 | 87.581 | 3162.2 |
| #2 | 2912.5 | 39684. | 3796.1 | 90.468 | 3169.7 |

Sample Name: CCV02      Acquired: 12/18/2018 13:47:18      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-3      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0821 | 4.9567 | 5.0235 | 5.0026 | 5.0837 | 10.125 | 10.086 | .25327   |
| Stddev | .0427  | .0145  | .0223  | .0386  | .0190  | .150   | .012   | .00057   |
| %RSD   | .83935 | .29190 | .44479 | .77252 | .37399 | 1.4813 | .12281 | .22331   |
| #1     | 5.1123 | 4.9669 | 5.0393 | 5.0299 | 5.0971 | 10.019 | 10.078 | .25287   |
| #2     | 5.0519 | 4.9465 | 5.0077 | 4.9752 | 5.0702 | 10.231 | 10.095 | .25367   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4725 | 25.701 | 1.0220 | 2.4854 | 1.2703 | 4.9983 | 2.5480 | 25.001   |
| Stddev | .0077  | .147   | .0018  | .0080  | .0105  | .0081  | .0048  | .124     |
| %RSD   | .31227 | .57023 | .17785 | .32214 | .82565 | .16237 | .18943 | .49454   |
| #1     | 2.4780 | 25.597 | 1.0207 | 2.4911 | 1.2777 | 5.0040 | 2.5446 | 24.913   |
| #2     | 2.4670 | 25.804 | 1.0233 | 2.4798 | 1.2629 | 4.9926 | 2.5515 | 25.088   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4552 | 1.2373 | 24.530 | 2.4612 | 2.5749 | 25.026 | 5.0050 | 5.0388   |
| Stddev | .0099  | .0004  | .031   | .0018  | .0128  | .075   | .0360  | .0372    |
| %RSD   | .40331 | .03316 | .12805 | .07169 | .49735 | .29861 | .71888 | .73744   |
| #1     | 2.4622 | 1.2376 | 24.508 | 2.4624 | 2.5840 | 24.973 | 5.0304 | 5.0125   |
| #2     | 2.4482 | 1.2370 | 24.552 | 2.4599 | 2.5659 | 25.079 | 4.9795 | 5.0650   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7912 | 5.0465 | 4.8797 | 5.0691 | 4.9770 | 4.920  | 5.2063 | F 3.7305 |
| Stddev | .0016  | .0362  | .0181  | .0301  | .0098  | .019   | .0031  | .0196    |
| %RSD   | .03403 | .71709 | .37141 | .59323 | .19710 | .3824  | .06006 | .52424   |
| #1     | 4.7924 | 5.0721 | 4.8925 | 5.0479 | 4.9700 | 4.933  | 5.2041 | 3.7167   |
| #2     | 4.7901 | 5.0209 | 4.8669 | 5.0904 | 4.9839 | 4.906  | 5.2085 | 3.7444   |

Sample Name: CCV02      Acquired: 12/18/2018 13:47:18      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-3      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.5170  
Stddev      .1928  
%RSD      7.6608

#1      2.3807  
#2      2.6534

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3089.9 | 42247. | 3848.6 | 91.354 | 3401.0 |
| Stddev    | 23.2   | 176.   | 20.9   | .575   | 16.5   |
| %RSD      | .75073 | .41696 | .54231 | .62985 | .48489 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3073.5 | 42371. | 3833.8 | 90.948 | 3389.3 |
| #2 | 3106.3 | 42122. | 3863.4 | 91.761 | 3412.6 |

Sample Name: CCB02      Acquired: 12/18/2018 13:59:13      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00176 | .00125  | F .00326 | -.00253 | .00136  | -.00623 | .00117  | -.00000  |
| Stddev | .00046  | .00086  | .00041   | .00092  | .00103  | .00148  | .00046  | .00007   |
| %RSD   | 25.903  | 68.884  | 12.673   | 36.472  | 75.234  | 23.712  | 39.648  | 4560.9   |
| #1     | -.00208 | .00186  | .00355   | -.00188 | .00209  | -.00518 | .00150  | -.00005  |
| #2     | -.00144 | .00064  | .00297   | -.00319 | .00064  | -.00727 | .00084  | .00005   |
| Elem   | Cd2265  | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00001  | -.02102 | .00003   | -.00008 | -.00146 | .00511  | -.00002 | .00643   |
| Stddev | .00012  | .02789  | .00014   | .00004  | .00004  | .01449  | .00002  | .04514   |
| %RSD   | 1438.3  | 132.66  | 465.98   | 52.530  | 2.8031  | 283.54  | 123.50  | 702.17   |
| #1     | -.00008 | -.00130 | -.00007  | -.00005 | -.00143 | .01536  | -.00003 | -.02549  |
| #2     | .00009  | -.04074 | .00013   | -.00012 | -.00149 | -.00514 | -.00000 | .03834   |
| Elem   | Ni2316  | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00021  | .00034  | -.09236  | .00012  | -.00110 | -.02599 | .00005  | .00538   |
| Stddev | .00005  | .00075  | .00153   | .00031  | .00020  | .03268  | .00024  | .01266   |
| %RSD   | 22.655  | 223.02  | 1.6536   | 248.93  | 18.108  | 125.74  | 444.57  | 235.56   |
| #1     | .00018  | -.00019 | -.09128  | .00034  | -.00096 | -.00288 | .00022  | .01433   |
| #2     | .00024  | .00086  | -.09344  | -.00009 | -.00124 | -.04910 | -.00011 | -.00358  |
| Elem   | S_1820  | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00711 | .00177  | -.00123  | -.00056 | -.00265 | .0003   | .00002  | F 2.6985 |
| Stddev | .00256  | .00112  | .00015   | .00016  | .00035  | .0004   | .00005  | .0325    |
| %RSD   | 35.989  | 63.335  | 12.370   | 28.501  | 13.252  | 131.2   | 219.93  | 1.2030   |
| #1     | -.00892 | .00097  | -.00134  | -.00044 | -.00240 | .0000   | -.00001 | 2.6756   |
| #2     | -.00530 | .00256  | -.00112  | -.00067 | -.00289 | .0006   | .00006  | 2.7215   |



Sample Name: CCB02      Acquired: 12/18/2018 13:59:13      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .57382 |
| Stddev | .24841   |
| %RSD   | 43.290   |

|    |        |
|----|--------|
| #1 | .74947 |
| #2 | .39817 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3221.7 | 44215. | 3921.1 | 97.217 | 3866.9 |
| Stddev    | 16.1   | 106.   | 4.4    | 1.674  | 15.9   |
| %RSD      | .50107 | .23991 | .11164 | 1.7214 | .41100 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3210.3 | 44140. | 3924.2 | 96.033 | 3855.7 |
| #2 | 3233.1 | 44290. | 3918.0 | 98.400 | 3878.1 |

Sample Name: J6438-17      Acquired: 12/18/2018 14:03:17      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-4      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |        |        |        |        |
|--------|---------|---------|---------|---------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00092 | -.00236 | -.00422 | -.00251 | .00017 | .19677 | .17985 | .00002 |
| Stddev | .00108  | .00007  | .00049  | .00282  | .00316 | .00562 | .00009 | .00012 |
| %RSD   | 118.07  | 2.9945  | 11.515  | 112.31  | 1883.3 | 2.8579 | .05253 | 615.07 |

|    |         |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|---------|--------|--------|---------|
| #1 | -.00168 | -.00231 | -.00457 | -.00451 | .00240  | .19279 | .17992 | -.00006 |
| #2 | -.00015 | -.00241 | -.00388 | -.00052 | -.00207 | .20075 | .17979 | .00010  |

|        |         |        |        |         |         |        |        |        |
|--------|---------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00118 | 82.625 | .00153 | -.00015 | -.00886 | 48.153 | .54037 | 13.479 |
| Stddev | .00014  | .417   | .00012 | .00019  | .00055  | .697   | .00038 | .007   |
| %RSD   | 12.249  | .50443 | 8.0276 | 128.87  | 6.1597  | 1.4483 | .07070 | .05449 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | -.00108 | 82.330 | .00144 | -.00028 | -.00848 | 47.660 | .54010 | 13.484 |
| #2 | -.00128 | 82.920 | .00162 | -.00001 | -.00925 | 48.646 | .54064 | 13.473 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00163 | -.00157 | 465.77 | .00054 | .26600 | 4.2745 | .00530 | .04375 |
| Stddev | .00045  | .00002  | .01    | .00013 | .00006 | .0386  | .00019 | .00024 |
| %RSD   | 27.671  | 1.2932  | .00218 | 23.754 | .02300 | .90214 | 3.5693 | .55335 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00195 | -.00159 | 465.77 | .00063 | .26604 | 4.2473 | .00517 | .04358 |
| #2 | -.00131 | -.00156 | 465.78 | .00045 | .26595 | 4.3018 | .00543 | .04392 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .66030 | 2.2068 | .00072 | .00327 | .00154 | .0720  | .40761 | 4.5107 |
| Stddev | .00974 | .0133  | .00033 | .00171 | .00087 | .0018  | .00059 | .1359  |
| %RSD   | 1.4751 | .60342 | 45.605 | 52.277 | 56.260 | 2.483  | .14529 | 3.0124 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .66719 | 2.2162 | .00095 | .00206 | .00093 | .0707 | .40719 | 4.4146 |
| #2 | .65341 | 2.1974 | .00049 | .00448 | .00215 | .0732 | .40802 | 4.6068 |

Sample Name: J6438-17      Acquired: 12/18/2018 14:03:17      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-4      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      9.0744  
Stddev      .7614  
%RSD      8.3904

#1      8.5360  
#2      9.6127

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2898.7 | 39048. | 3754.0 | 90.403 | 3134.1 |
| Stddev    | 23.8   | 23.    | 24.1   | .407   | 41.9   |
| %RSD      | .82181 | .05820 | .64090 | .44966 | 1.3367 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2881.9 | 39064. | 3737.0 | 90.690 | 3104.5 |
| #2 | 2915.6 | 39032. | 3771.0 | 90.115 | 3163.8 |

Sample Name: J6440-02      Acquired: 12/18/2018 14:07:25      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-2      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |        |        |        |
|--------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.01170 | -.00474 | -.01273 | -.01805 | .00465 | .66636 | .84374 |
| Stddev | .00427  | .00080  | .00052  | .00184  | .00085 | .00016 | .00845 |
| %RSD   | 36.472  | 16.894  | 4.0708  | 10.176  | 18.305 | .02462 | 1.0014 |

|    |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00868 | -.00531 | -.01237 | -.01675 | .00525 | .66624 | .83777 |
| #2 | -.01472 | -.00417 | -.01310 | -.01935 | .00405 | .66647 | .84971 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00045 | -.00253 | 58.594 | .00370 | .00498 | .12273 | 159.24 |
| Stddev | .00001 | .00037  | .798   | .00034 | .00021 | .00649 | 4.65   |
| %RSD   | 2.9845 | 14.803  | 1.3627 | 9.2835 | 4.2935 | 5.2914 | 2.9217 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00044 | -.00227 | 58.029 | .00394 | .00513 | .12732 | 155.95 |
| #2 | .00046 | -.00280 | 59.158 | .00346 | .00483 | .11814 | 162.53 |

|        |        |        |         |         |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.9527 | 34.138 | -.00012 | -.00550 | 517.70 | .00363 | 1.3262 |
| Stddev | .0014  | .251   | .00047  | .00121  | 3.82   | .00005 | .0012  |
| %RSD   | .02393 | .73518 | 402.46  | 21.903  | .73739 | 1.3875 | .08750 |

|    |        |        |         |         |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|
| #1 | 5.9537 | 33.960 | .00021  | -.00636 | 515.00 | .00359 | 1.3254 |
| #2 | 5.9517 | 34.315 | -.00044 | -.00465 | 520.40 | .00366 | 1.3270 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | 11.489 | .00081 | .21894 | F 12.811 | 9.6159 | -.00124 | .02681 |
| Stddev | .093   | .00018 | .01731 | .237     | .0719  | .00035  | .00037 |
| %RSD   | .80942 | 22.884 | 7.9055 | 1.8488   | .74814 | 27.826  | 1.3666 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 11.423 | .00094 | .20670 | 12.643 | 9.6668 | -.00100 | .02707 |
| #2 | 11.554 | .00068 | .23118 | 12.978 | 9.5650 | -.00149 | .02655 |

Sample Name: J6440-02      Acquired: 12/18/2018 14:07:25      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMP-2      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00850 | .2962  | .47312 | 4.4732 | F<.00000 |
| Stddev | .00096 | .0080  | .00227 | .1046  | 1.0682   |
| %RSD   | 11.322 | 2.692  | .47942 | 2.3375 | 8.3841   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00918 | .3019 | .47151 | 4.3992 | -11.985 |
| #2 | .00782 | .2906 | .47472 | 4.5471 | -13.496 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2825.6 | 38253. | 3714.8 | 88.683 | 3043.0 |
| Stddev    | 7.9    | 9.     | 19.9   | 2.512  | 9.5    |
| %RSD      | .28033 | .02408 | .53619 | 2.8329 | .31261 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2820.0 | 38260. | 3700.7 | 90.460 | 3036.3 |
| #2 | 2831.2 | 38247. | 3728.9 | 86.907 | 3049.7 |

Sample Name: PB115783BL      Acquired: 12/18/2018 14:11:29      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00134  | .00091  | .00171  | -.00280 | .00031  | -.00980 | .00123  | .00005   |
| Stddev | .00152  | .00052  | .00076  | .00077  | .00076  | .00008  | .00018  | .00007   |
| %RSD   | 113.17  | 56.995  | 44.406  | 27.450  | 245.61  | .82074  | 14.205  | 128.79   |
| #1     | .00241  | .00128  | .00225  | -.00335 | -.00023 | -.00986 | .00136  | .00010   |
| #2     | .00027  | .00054  | .00118  | -.00226 | .00085  | -.00975 | .00111  | .00000   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00002 | .00025  | .00009  | -.00013 | -.00151 | .00283  | .00005  | .06065   |
| Stddev | .00003  | .01551  | .00013  | .00017  | .00073  | .00871  | .00009  | .01706   |
| %RSD   | 138.57  | 6211.9  | 154.26  | 129.58  | 48.448  | 307.86  | 166.18  | 28.135   |
| #1     | -.00000 | .01121  | .00018  | -.00024 | -.00099 | .00899  | -.00001 | .07272   |
| #2     | -.00004 | -.01071 | -.00001 | -.00001 | -.00203 | -.00333 | .00012  | .04859   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00021  | .00034  | .04914  | .00013  | -.00096 | .03641  | .00001  | .00016   |
| Stddev | .00011  | .00041  | .01209  | .00002  | .00009  | .00787  | .00026  | .00107   |
| %RSD   | 52.440  | 121.55  | 24.597  | 14.789  | 9.6966  | 21.602  | 4560.6  | 649.41   |
| #1     | .00029  | .00063  | .04059  | .00012  | -.00089 | .03085  | -.00018 | -.00059  |
| #2     | .00013  | .00005  | .05768  | .00015  | -.00102 | .04197  | .00019  | .00092   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00560 | .00410  | -.00096 | .00103  | -.00103 | -.0009  | .00005  | F 2.6195 |
| Stddev | .00135  | .00237  | .00032  | .00071  | .00012  | .0000   | .00002  | .1172    |
| %RSD   | 24.071  | 57.959  | 33.147  | 69.241  | 11.360  | 3.148   | 41.886  | 4.4724   |
| #1     | -.00655 | .00242  | -.00074 | .00153  | -.00111 | -.0010  | .00006  | 2.7023   |
| #2     | -.00465 | .00578  | -.00119 | .00052  | -.00095 | -.0009  | .00003  | 2.5366   |

Sample Name: PB115783BL      Acquired: 12/18/2018 14:11:29      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F .60389  
 Stddev      .35369  
 %RSD      58.569

#1      .85398  
 #2      .35379

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3209.8 | 44369. | 3910.1 | 98.021 | 3868.8 |
| Stddev    | 6.6    | 75.    | 21.8   | .100   | 3.9    |
| %RSD      | .20426 | .16861 | .55764 | .10220 | .10165 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3205.2 | 44316. | 3894.7 | 97.950 | 3866.0 |
| #2 | 3214.5 | 44422. | 3925.6 | 98.092 | 3871.6 |

Sample Name: PB115783BS      Acquired: 12/18/2018 14:15:35      Type: Unk  
Method: P4-ICP2(v2662)      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    | .75861 | 1.8709 | .93807 | 1.8332 | .76834 | 1.9747 | .20817 |
| Stddev | .00815 | .0066  | .00118 | .0010  | .00325 | .0008  | .00188 |
| %RSD   | 1.0741 | .35426 | .12588 | .05247 | .42280 | .04154 | .90285 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76437 | 1.8756 | .93891 | 1.8326 | .77064 | 1.9741 | .20684 |
| #2 | .75285 | 1.8662 | .93724 | 1.8339 | .76604 | 1.9753 | .20950 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18853 | .18052 | 1.0559 | .41705 | .19344 | .30646 | 3.0092 |
| Stddev | .00046 | .00031 | .0116  | .00082 | .00094 | .00181 | .0274  |
| %RSD   | .24303 | .16963 | 1.0988 | .19701 | .48590 | .58985 | .90974 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18885 | .18074 | 1.0477 | .41647 | .19410 | .30774 | 2.9899 |
| #2 | .18820 | .18030 | 1.0641 | .41763 | .19277 | .30518 | 3.0286 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21077 | 2.0275 | .47450 | .06854 | 2.9658 | .29987 | .20234 |
| Stddev | .00036 | .0182  | .00110 | .00059 | .0462  | .00007 | .00192 |
| %RSD   | .16845 | .89584 | .23143 | .86199 | 1.5587 | .02447 | .94888 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21052 | 2.0146 | .47528 | .06895 | 2.9331 | .29992 | .20098 |
| #2 | .21102 | 2.0403 | .47373 | .06812 | 2.9985 | .29981 | .20369 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.007 | .39120 | .28799 | F -.00781 | .89235 | .60649 | .19514 |
| Stddev | .151   | .00079 | .00799 | .00235    | .00244 | .00275 | .00226 |
| %RSD   | 1.5118 | .20102 | 2.7737 | 30.120    | .27327 | .45338 | 1.1580 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.9002 | .39176 | .28234 | -.00615 | .89408 | .60843 | .19354 |
| #2 | 10.114 | .39065 | .29364 | -.00948 | .89063 | .60455 | .19674 |



Sample Name: PB115783BS      Acquired: 12/18/2018 14:15:35      Type: Unk  
 Method: P4-ICP2(v2662)      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    | .20007 | 4.872  | .20396 | F 2.7549 | F<.00000 |
| Stddev | .00431 | .016   | .00278 | .0098    | .07177   |
| %RSD   | 2.1548 | .3352  | 1.3612 | .35417   | 7.3117   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .19702 | 4.883 | .20200 | 2.7480 | -1.0323 |
| #2 | .20312 | 4.860 | .20593 | 2.7618 | -.93078 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3185.6 | 44244. | 3903.6 | 94.863 | 3775.9 |
| Stddev    | 17.6   | 34.    | 20.4   | .371   | 20.2   |
| %RSD      | .55097 | .07706 | .52203 | .39134 | .53454 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3173.2 | 44220. | 3918.0 | 95.125 | 3761.6 |
| #2 | 3198.0 | 44268. | 3889.1 | 94.600 | 3790.2 |

Sample Name: PB115392BL      Acquired: 12/18/2018 14:19:29      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00062  | .00111  | .00039  | -.00059 | .00188  | -.01348 | .00162  | -.00001  |
| Stddev | .00172  | .00164  | .00056  | .00057  | .00036  | .00353  | .00056  | .00003   |
| %RSD   | 275.96  | 148.40  | 142.99  | 97.796  | 19.338  | 26.158  | 34.829  | 454.18   |
| #1     | -.00059 | -.00005 | -.00000 | -.00018 | .00162  | -.01597 | .00201  | -.00003  |
| #2     | .00184  | .00227  | .00079  | -.00099 | .00214  | -.01099 | .00122  | .00001   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00002 | -.01133 | .00004  | -.00001 | -.00159 | .00261  | -.00002 | .00404   |
| Stddev | .00001  | .01399  | .00004  | .00005  | .00009  | .00506  | .00001  | .02766   |
| %RSD   | 30.782  | 123.44  | 112.29  | 686.89  | 5.3730  | 193.96  | 38.408  | 685.15   |
| #1     | -.00002 | -.02123 | .00001  | -.00005 | -.00165 | .00619  | -.00002 | -.01552  |
| #2     | -.00001 | -.00144 | .00007  | .00003  | -.00153 | -.00097 | -.00001 | .02359   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00026 | -.00015 | -.07274 | .00043  | -.00121 | -.01179 | .00002  | -.00250  |
| Stddev | .00022  | .00005  | .00423  | .00022  | .00017  | .00341  | .00004  | .01509   |
| %RSD   | 84.221  | 33.915  | 5.8218  | 51.996  | 13.958  | 28.946  | 168.46  | 603.48   |
| #1     | -.00011 | -.00019 | -.07573 | .00027  | -.00109 | -.01421 | -.00000 | -.01317  |
| #2     | -.00042 | -.00012 | -.06974 | .00059  | -.00133 | -.00938 | .00005  | .00817   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00972 | .00435  | -.00082 | .00148  | -.00292 | -.0011  | .00001  | F 2.7014 |
| Stddev | .00145  | .00131  | .00072  | .00317  | .00012  | .0015   | .00013  | .0539    |
| %RSD   | 14.891  | 30.046  | 87.447  | 213.68  | 4.0148  | 135.2   | 907.45  | 1.9956   |
| #1     | -.00869 | .00527  | -.00031 | .00373  | -.00284 | -.0001  | .00010  | 2.6633   |
| #2     | -.01074 | .00342  | -.00132 | -.00076 | -.00301 | -.0022  | -.00008 | 2.7396   |

Sample Name: PB115392BL      Acquired: 12/18/2018 14:19:29      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .13170  
Stddev      .13223  
%RSD      100.41

#1      .22520  
#2      .03820

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3217.7 | 44340. | 3882.0 | 96.954 | 3859.3 |
| Stddev    | 3.9    | 88.    | 10.6   | 3.141  | 13.5   |
| %RSD      | .12193 | .19941 | .27264 | 3.2394 | .34993 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3220.5 | 44278. | 3889.5 | 99.175 | 3868.8 |
| #2 | 3215.0 | 44403. | 3874.5 | 94.733 | 3849.7 |

Sample Name: PB115392BS      Acquired: 12/18/2018 14:23:34      Type: Unk  
Method: P4-ICP2(v2662)      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    | .78336   | 1.9430 | .97340 | 1.9153 | .79361 | 2.0150  | .21023   | .19825 |
| Stddev | .00494   | .0211  | .00664 | .0283  | .00885 | .0567   | .00156   | .00653 |
| %RSD   | .63051   | 1.0850 | .68187 | 1.4798 | 1.1155 | 2.8150  | .74283   | 3.2925 |
| #1     | .77987   | 1.9280 | .96870 | 1.8952 | .78735 | 1.9749  | .21134   | .19363 |
| #2     | .78686   | 1.9579 | .97809 | 1.9353 | .79987 | 2.0551  | .20913   | .20286 |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576   | Mg2790 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm      | ppm    |
| Avg    | .18711   | 1.0621 | .42742 | .19908 | .31798 | 3.0104  | .21765   | 2.0671 |
| Stddev | .00197   | .0034  | .01232 | .00196 | .00319 | .0460   | .00671   | .0020  |
| %RSD   | 1.0508   | .31734 | 2.8819 | .98271 | 1.0031 | 1.5288  | 3.0840   | .09667 |
| #1     | .18572   | 1.0597 | .41871 | .19769 | .31572 | 3.0429  | .21290   | 2.0657 |
| #2     | .18850   | 1.0645 | .43613 | .20046 | .32023 | 2.9778  | .22239   | 2.0685 |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020   | B_2496 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm      | ppm    |
| Avg    | .48841   | .07165 | 2.9422 | .30534 | .20257 | 10.081  | .40087   | .28826 |
| Stddev | .00399   | .00114 | .0135  | .00929 | .00341 | .003    | .00467   | .00188 |
| %RSD   | .81598   | 1.5951 | .45978 | 3.0442 | 1.6850 | .02552  | 1.1647   | .65063 |
| #1     | .48559   | .07084 | 2.9326 | .29876 | .20498 | 10.083  | .39757   | .28694 |
| #2     | .49123   | .07245 | 2.9517 | .31191 | .20016 | 10.079  | .40417   | .28959 |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077   | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm      | ppm    |
| Avg    | F .18800 | .91022 | .63622 | .19595 | .19907 | F 5.101 | F .20482 | 3.1118 |
| Stddev | .00118   | .00213 | .00656 | .00285 | .00012 | .056    | .00071   | .3618  |
| %RSD   | .62573   | .23413 | 1.0316 | 1.4534 | .06063 | 1.100   | .34468   | 11.626 |
| #1     | .18717   | .91173 | .63158 | .19796 | .19898 | 5.061   | .20432   | 2.8560 |
| #2     | .18883   | .90872 | .64086 | .19394 | .19915 | 5.140   | .20532   | 3.3676 |

Sample Name: PB115392BS      Acquired: 12/18/2018 14:23:34      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      .44125  
 %RSD      27.804

#1      -1.2750  
 #2      -1.8990

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3166.0 | 43406. | 3929.0 | 97.188 | 3737.7 |
| Stddev    | 14.8   | 1153.  | 15.1   | 1.774  | 18.1   |
| %RSD      | .46799 | 2.6555 | .38448 | 1.8250 | .48550 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3176.5 | 44221. | 3918.3 | 95.933 | 3750.6 |
| #2 | 3155.6 | 42591. | 3939.7 | 98.442 | 3724.9 |

Sample Name: J6403-66      Acquired: 12/18/2018 14:27:24      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-3-OILY-WA      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |        |        |         |        |        |
|--------|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00671 | -.00058 | -.00001 | .00177 | .00233 | -.00321 | .07662 | .00006 |
| Stddev | .00034 | .00073  | .00065  | .00103 | .00200 | .00429  | .00106 | .00011 |
| %RSD   | 5.0099 | 125.30  | 9042.8  | 58.074 | 85.819 | 133.49  | 1.3788 | 178.08 |

|    |        |         |         |        |        |         |        |         |
|----|--------|---------|---------|--------|--------|---------|--------|---------|
| #1 | .00647 | -.00007 | .00045  | .00250 | .00375 | -.00624 | .07588 | .00013  |
| #2 | .00695 | -.00110 | -.00047 | .00104 | .00092 | -.00018 | .07737 | -.00002 |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00004 | 20.128 | -.00007 | .00069 | -.00160 | .01632 | .24748 | 3.5616 |
| Stddev | .00011  | .106   | .00017  | .00038 | .00040  | .00870 | .00017 | .1034  |
| %RSD   | 247.66  | .52844 | 225.63  | 54.474 | 24.718  | 53.279 | .07020 | 2.9034 |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | -.00012 | 20.053 | -.00019 | .00095 | -.00132 | .01017 | .24736 | 3.6347 |
| #2 | .00003  | 20.203 | .00004  | .00042 | -.00188 | .02247 | .24760 | 3.4885 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00082 | .00024 | 25.482 | .00038 | .03385 | 2.0696 | .00721 | .06070 |
| Stddev | .00000 | .00062 | .124   | .00016 | .00024 | .0160  | .00018 | .00460 |
| %RSD   | .00068 | 254.74 | .48537 | 41.494 | .70378 | .77409 | 2.5565 | 7.5809 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00082 | -.00019 | 25.569 | .00027 | .03368 | 2.0582 | .00734 | .06396 |
| #2 | .00082 | .00068  | 25.394 | .00050 | .03402 | 2.0809 | .00708 | .05745 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.6212 | 2.1428 | -.00125 | .00230 | .00510 | .0043  | .09599 | 2.9755 |
| Stddev | .0215  | .0179  | .00058  | .00118 | .00074 | .0014  | .00047 | .2747  |
| %RSD   | 1.3250 | .83367 | 46.227  | 51.587 | 14.542 | 32.79  | .48958 | 9.2303 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 1.6364 | 2.1554 | -.00084 | .00313 | .00457 | .0033 | .09566 | 3.1697 |
| #2 | 1.6060 | 2.1302 | -.00165 | .00146 | .00562 | .0053 | .09632 | 2.7813 |

Sample Name: J6403-66      Acquired: 12/18/2018 14:27:24      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-3-OILY-WA      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .44980 |
| Stddev | .23561 |
| %RSD   | 52.382 |

|    |        |
|----|--------|
| #1 | .61640 |
| #2 | .28319 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3152.4 | 43718. | 3976.0 | 97.491 | 3709.7 |
| Stddev    | 46.5   | 335.   | 26.0   | .761   | 55.6   |
| %RSD      | 1.4747 | .76712 | .65393 | .78035 | 1.4985 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3119.5 | 43481. | 3957.6 | 98.029 | 3670.4 |
| #2 | 3185.3 | 43955. | 3994.4 | 96.954 | 3749.0 |

Sample Name: J6403-66DUP      Acquired: 12/18/2018 14:31:25      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-3-OILY-WA      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |        |        |         |        |        |
|--------|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00467 | -.00021 | -.00004 | .00165 | .00108 | -.01252 | .07648 | .00002 |
| Stddev | .00277 | .00050  | .00097  | .00026 | .00021 | .00393  | .00082 | .00000 |
| %RSD   | 59.452 | 239.96  | 2473.8  | 15.827 | 19.669 | 31.344  | 1.0688 | 25.329 |

|    |        |         |         |        |        |         |        |        |
|----|--------|---------|---------|--------|--------|---------|--------|--------|
| #1 | .00663 | .00014  | -.00073 | .00146 | .00093 | -.00975 | .07706 | .00002 |
| #2 | .00270 | -.00056 | .00065  | .00183 | .00123 | -.01530 | .07590 | .00001 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 20.246 | .00014 | .00043 | -.00167 | .01969 | .24267 | 3.4349 |
| Stddev | .00004  | .012   | .00040 | .00008 | .00008  | .00784 | .00409 | .0664  |
| %RSD   | 82.126  | .06044 | 280.87 | 18.686 | 4.8638  | 39.836 | 1.6865 | 1.9324 |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | -.00002 | 20.254 | -.00014 | .00038 | -.00161 | .02523 | .23977 | 3.3880 |
| #2 | -.00008 | 20.237 | .00043  | .00049 | -.00173 | .01414 | .24556 | 3.4819 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00046 | -.00013 | 25.635 | .00021 | .03382 | 2.0384 | .00746 | .05201 |
| Stddev | .00000 | .00068  | .058   | .00055 | .00012 | .0061  | .00032 | .00355 |
| %RSD   | .92278 | 510.78  | .22620 | 256.78 | .36772 | .30005 | 4.3184 | 6.8326 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00046 | .00035  | 25.594 | .00060  | .03391 | 2.0427 | .00723 | .05453 |
| #2 | .00045 | -.00061 | 25.676 | -.00017 | .03373 | 2.0341 | .00769 | .04950 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.6075 | 2.1608 | -.00238 | .00243 | .00408 | .0047  | .09659 | 2.8745 |
| Stddev | .0112  | .0093  | .00092  | .00041 | .00017 | .0005  | .00005 | .2598  |
| %RSD   | .69412 | .43114 | 38.658  | 17.000 | 4.0562 | 10.42  | .05226 | 9.0365 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 1.6153 | 2.1543 | -.00173 | .00273 | .00396 | .0043 | .09655 | 2.6909 |
| #2 | 1.5996 | 2.1674 | -.00303 | .00214 | .00420 | .0050 | .09662 | 3.0582 |



Sample Name: J6403-66DUP      Acquired: 12/18/2018 14:31:25      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-3-OILY-WA Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .24316 |
| Stddev | .12081 |
| %RSD   | 49.684 |

|    |        |
|----|--------|
| #1 | .32859 |
| #2 | .15773 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3179.7 | 44473. | 3936.9 | 97.499 | 3748.2 |
| Stddev    | 20.8   | 636.   | 11.5   | 1.414  | 15.0   |
| %RSD      | .65523 | 1.4299 | .29257 | 1.4502 | .39949 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3165.0 | 44923. | 3928.8 | 96.500 | 3737.6 |
| #2 | 3194.4 | 44023. | 3945.1 | 98.499 | 3758.8 |

Sample Name: J6403-66LX5      Acquired: 12/18/2018 14:35:26      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |         |        |        |
|--------|--------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00164 | .00128 | .00078 | -.00011 | .00177 | -.01131 | .01641 | .00001 |
| Stddev | .00095 | .00053 | .00103 | .00402  | .00061 | .00726  | .00037 | .00002 |
| %RSD   | 57.541 | 41.656 | 132.03 | 3690.7  | 34.354 | 64.170  | 2.2428 | 323.65 |

|    |        |        |        |         |        |         |        |         |
|----|--------|--------|--------|---------|--------|---------|--------|---------|
| #1 | .00231 | .00091 | .00151 | .00273  | .00134 | -.00618 | .01615 | -.00001 |
| #2 | .00098 | .00166 | .00005 | -.00295 | .00220 | -.01645 | .01667 | .00002  |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00002 | 4.1476 | -.00000 | .00020 | -.00150 | .02046 | .05161 | .73791 |
| Stddev | .00001  | .0096  | .00028  | .00019 | .00030  | .00861 | .00012 | .04112 |
| %RSD   | 25.487  | .23251 | 13702.  | 98.480 | 20.191  | 42.084 | .23589 | 5.5721 |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | -.00002 | 4.1544 | -.00020 | .00006 | -.00171 | .01437 | .05153 | .76698 |
| #2 | -.00002 | 4.1408 | .00020  | .00033 | -.00128 | .02654 | .05170 | .70883 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00006 | -.00048 | 5.2266 | .00007 | .00607 | .36362 | .00133 | .01566 |
| Stddev | .00032  | .00039  | .0087  | .00018 | .00038 | .01198 | .00003 | .00013 |
| %RSD   | 573.84  | 81.738  | .16611 | 255.26 | 6.3127 | 3.2959 | 2.0934 | .82554 |

|    |         |         |        |         |        |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|--------|
| #1 | -.00028 | -.00020 | 5.2205 | -.00006 | .00580 | .35514 | .00131 | .01557 |
| #2 | .00017  | -.00075 | 5.2327 | .00020  | .00634 | .37209 | .00135 | .01576 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .32293 | .46372 | -.00150 | .00205 | -.00293 | .0020  | .01981 | 2.7052 |
| Stddev | .00155 | .00068 | .00024  | .00064 | .00084  | .0015  | .00024 | .0278  |
| %RSD   | .47930 | .14619 | 16.142  | 31.300 | 28.625  | 75.39  | 1.2024 | 1.0275 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | .32183 | .46324 | -.00133 | .00159 | -.00352 | .0009 | .01997 | 2.6855 |
| #2 | .32402 | .46420 | -.00168 | .00250 | -.00234 | .0031 | .01964 | 2.7248 |

Sample Name: J6403-66LX5      Acquired: 12/18/2018 14:35:26      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .20269 |
| Stddev | .09958 |
| %RSD   | 49.130 |

|    |        |
|----|--------|
| #1 | .27310 |
| #2 | .13227 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3212.2 | 44359. | 3948.9 | 96.983 | 3854.7 |
| Stddev    | 21.0   | 36.    | 7.1    | 4.773  | 13.1   |
| %RSD      | .65436 | .08007 | .17914 | 4.9214 | .33911 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3197.3 | 44334. | 3943.9 | 100.36 | 3845.5 |
| #2 | 3227.1 | 44384. | 3953.9 | 93.608 | 3863.9 |

Sample Name: J6403-66MS      Acquired: 12/18/2018 14:39:30      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-3-OILY-WA      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80981 | 1.8878 | .95796 | 1.9156 | .80098 | 1.9934 | .30018 | .19220 |
| Stddev | .02092 | .0642  | .02958 | .0381  | .01755 | .0171  | .00536 | .00064 |
| %RSD   | 2.5831 | 3.4026 | 3.0875 | 1.9878 | 2.1912 | .86022 | 1.7858 | .33192 |
| #1     | .82460 | 1.9332 | .97888 | 1.9426 | .81339 | 1.9813 | .30397 | .19266 |
| #2     | .79502 | 1.8424 | .93705 | 1.8887 | .78857 | 2.0055 | .29639 | .19175 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18649 | 24.515 | .41204 | .19802 | .30873 | 2.9849 | .48623 | 6.0899 |
| Stddev | .00576 | .295   | .00159 | .00691 | .00614 | .0682  | .00012 | .0120  |
| %RSD   | 3.0875 | 1.2046 | .38666 | 3.4884 | 1.9873 | 2.2853 | .02480 | .19692 |
| #1     | .19056 | 24.724 | .41091 | .20290 | .31307 | 3.0331 | .48631 | 6.0984 |
| #2     | .18242 | 24.306 | .41317 | .19313 | .30439 | 2.9367 | .48614 | 6.0814 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .48250 | .06738 | 32.918 | .30067 | .23398 | 12.473 | .40966 | .35614 |
| Stddev | .01490 | .00040 | .696   | .00108 | .00620 | .164   | .00940 | .01692 |
| %RSD   | 3.0891 | .59150 | 2.1153 | .35815 | 2.6494 | 1.3119 | 2.2947 | 4.7508 |
| #1     | .49304 | .06767 | 33.411 | .29990 | .23836 | 12.589 | .41631 | .36810 |
| #2     | .47196 | .06710 | 32.426 | .30143 | .22960 | 12.358 | .40301 | .34417 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.9164 | 3.4059 | .62557 | .19652 | .20684 | 5.284  | .31235 | 3.1982 |
| Stddev | .0580  | .0488  | .01676 | .00188 | .00041 | .168   | .00572 | .0726  |
| %RSD   | 3.0273 | 1.4322 | 2.6798 | .95839 | .19628 | 3.182  | 1.8310 | 2.2688 |
| #1     | 1.9574 | 3.4404 | .63742 | .19785 | .20655 | 5.403  | .31640 | 3.1469 |
| #2     | 1.8754 | 3.3714 | .61371 | .19519 | .20712 | 5.165  | .30831 | 3.2495 |

Sample Name: J6403-66MS      Acquired: 12/18/2018 14:39:30      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-3-OILY-WA      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | .30774  |
| %RSD   | 45.045  |

|    |         |
|----|---------|
| #1 | -.90080 |
| #2 | -.46558 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3050.6 | 43281. | 3878.1 | 95.695 | 3560.3 |
| Stddev    | 58.7   | 47.    | 80.8   | 2.357  | 102.2  |
| %RSD      | 1.9240 | .10798 | 2.0828 | 2.4627 | 2.8693 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3009.1 | 43248. | 3821.0 | 94.028 | 3488.1 |
| #2 | 3092.1 | 43314. | 3935.3 | 97.361 | 3632.6 |

Sample Name: CCV03      Acquired: 12/18/2018 14:43:20      Type: Unk  
Method: P4-ICP2(v2662)      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    | 5.0504 | 4.8174 | 4.9245 | 4.9101 | 5.0151 | 9.7237 | 9.8360 | .24178   |
| Stddev | .0012  | .0024  | .0030  | .0037  | .0140  | .2312  | .1267  | .01088   |
| %RSD   | .02373 | .05064 | .06038 | .07463 | .27986 | 2.3774 | 1.2884 | 4.5003   |
| #1     | 5.0512 | 4.8191 | 4.9266 | 4.9127 | 5.0250 | 9.8872 | 9.9256 | .24947   |
| #2     | 5.0495 | 4.8157 | 4.9224 | 4.9075 | 5.0052 | 9.5603 | 9.7464 | .23408   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4127 | 25.043 | .97135 | 2.4382 | 1.2453 | 4.8074 | 2.4293 | 24.356   |
| Stddev | .0030  | .065   | .04771 | .0023  | .0020  | .0219  | .1133  | .038     |
| %RSD   | .12512 | .25802 | 4.9117 | .09297 | .16201 | .45639 | 4.6644 | .15531   |
| #1     | 2.4148 | 25.089 | 1.0051 | 2.4398 | 1.2467 | 4.7919 | 2.5095 | 24.383   |
| #2     | 2.4105 | 24.997 | .93761 | 2.4366 | 1.2439 | 4.8230 | 2.3492 | 24.330   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3922 | 1.1753 | 23.632 | 2.3156 | 2.4995 | 24.251 | 4.8765 | 4.8363   |
| Stddev | .0003  | .0486  | .334   | .1089  | .0095  | .263   | .0124  | .0162    |
| %RSD   | .01214 | 4.1373 | 1.4139 | 4.7015 | .37842 | 1.0834 | .25516 | .33391   |
| #1     | 2.3920 | 1.2097 | 23.868 | 2.3926 | 2.5062 | 24.437 | 4.8853 | 4.8249   |
| #2     | 2.3924 | 1.1409 | 23.395 | 2.2386 | 2.4928 | 24.065 | 4.8677 | 4.8477   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.6381 | 4.9142 | 4.7238 | 4.9164 | 4.8148 | 4.807  | 5.0686 | F 3.6382 |
| Stddev | .0084  | .1329  | .0055  | .0226  | .0591  | .019   | .0631  | .6512    |
| %RSD   | .18177 | 2.7040 | .11539 | .45974 | 1.2277 | .3925  | 1.2449 | 17.899   |
| #1     | 4.6322 | 5.0082 | 4.7199 | 4.9324 | 4.8566 | 4.821  | 5.1132 | 4.0987   |
| #2     | 4.6441 | 4.8203 | 4.7276 | 4.9005 | 4.7730 | 4.794  | 5.0240 | 3.1778   |

Sample Name: CCV03      Acquired: 12/18/2018 14:43:20      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.4631  
Stddev      .3820  
%RSD      15.508

#1      2.1930  
#2      2.7332

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3055.7 | 43108. | 3876.0 | 92.239 | 3385.6 |
| Stddev    | 11.8   | 1694.  | 58.7   | .471   | 8.0    |
| %RSD      | .38664 | 3.9298 | 1.5149 | .51045 | .23722 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3047.3 | 41910. | 3834.5 | 91.906 | 3379.9 |
| #2 | 3064.1 | 44306. | 3917.6 | 92.572 | 3391.3 |

Sample Name: CCB03      Acquired: 12/18/2018 14:47:05      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00074 | .00148  | .00048  | -.00112 | .00051  | -.01397 | .00101  | .00003   |
| Stddev | .00193  | .00011  | .00006  | .00207  | .00137  | .00538  | .00081  | .00002   |
| %RSD   | 260.42  | 7.6796  | 11.579  | 185.75  | 266.22  | 38.536  | 80.509  | 62.004   |
| #1     | -.00210 | .00156  | .00044  | .00035  | -.00045 | -.01016 | .00044  | .00002   |
| #2     | .00062  | .00140  | .00052  | -.00258 | .00148  | -.01777 | .00159  | .00005   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00003 | -.00283 | -.00035 | .00017  | -.00176 | .01205  | -.00001 | .03869   |
| Stddev | .00001  | .01262  | .00012  | .00007  | .00040  | .01856  | .00001  | .00687   |
| %RSD   | 47.383  | 446.07  | 34.236  | 40.725  | 22.787  | 154.03  | 59.864  | 17.758   |
| #1     | -.00003 | .00610  | -.00026 | .00022  | -.00148 | -.00107 | -.00001 | .04355   |
| #2     | -.00002 | -.01176 | -.00043 | .00012  | -.00204 | .02518  | -.00002 | .03383   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00003  | -.00010 | -.13538 | .00037  | -.00133 | -.04107 | .00036  | .00027   |
| Stddev | .00004  | .00025  | .01418  | .00014  | .00008  | .02290  | .00013  | .00061   |
| %RSD   | 117.94  | 246.26  | 10.472  | 38.831  | 5.9451  | 55.769  | 37.382  | 228.80   |
| #1     | .00001  | -.00028 | -.14541 | .00047  | -.00128 | -.05726 | .00026  | .00070   |
| #2     | .00006  | .00007  | -.12536 | .00027  | -.00139 | -.02487 | .00045  | -.00016  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00728 | .00404  | -.00049 | .00214  | -.00413 | .0002   | .00011  | F 2.9130 |
| Stddev | .00085  | .00121  | .00036  | .00067  | .00034  | .0011   | .00007  | .0403    |
| %RSD   | 11.615  | 30.034  | 72.278  | 31.481  | 8.3076  | 547.0   | 61.759  | 1.3846   |
| #1     | -.00668 | .00318  | -.00024 | .00262  | -.00388 | .0010   | .00016  | 2.9415   |
| #2     | -.00787 | .00490  | -.00075 | .00166  | -.00437 | -.0006  | .00006  | 2.8845   |



Sample Name: CCB03      Acquired: 12/18/2018 14:47:05      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F .57223  
 Stddev      .08858  
 %RSD      15.480

#1      .50960  
 #2      .63487

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3223.7 | 44360. | 3993.4 | 100.16 | 3887.1 |
| Stddev    | 18.7   | 55.    | 98.3   | 1.63   | 25.2   |
| %RSD      | .58070 | .12423 | 2.4606 | 1.6238 | .64942 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3210.4 | 44399. | 4062.9 | 101.31 | 3869.2 |
| #2 | 3236.9 | 44321. | 3924.0 | 99.008 | 3904.9 |

Sample Name: J6403-66MSD      Acquired: 12/18/2018 14:51:09      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-3-OILY-WA      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80410 | 1.8640 | .94724 | 1.8941 | .78819 | 1.9378 | .29586 | .18729 |
| Stddev | .01361 | .0313  | .01720 | .0305  | .01357 | .0817  | .00274 | .00937 |
| %RSD   | 1.6926 | 1.6799 | 1.8162 | 1.6090 | 1.7211 | 4.2155 | .92677 | 5.0024 |
| #1     | .79447 | 1.8418 | .93508 | 1.8726 | .77860 | 1.8800 | .29392 | .18067 |
| #2     | .81372 | 1.8861 | .95941 | 1.9157 | .79778 | 1.9955 | .29780 | .19392 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18443 | 24.572 | .40368 | .19676 | .30531 | 2.9114 | .47494 | 6.0415 |
| Stddev | .00286 | .233   | .01936 | .00366 | .00544 | .0048  | .02241 | .1919  |
| %RSD   | 1.5518 | .94947 | 4.7954 | 1.8624 | 1.7806 | .16427 | 4.7179 | 3.1764 |
| #1     | .18241 | 24.407 | .38999 | .19417 | .30147 | 2.9148 | .45909 | 5.9058 |
| #2     | .18646 | 24.737 | .41737 | .19936 | .30916 | 2.9080 | .49078 | 6.1772 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .47684 | .06611 | 32.544 | .29234 | .22960 | 12.305 | .40293 | .35219 |
| Stddev | .00875 | .00329 | .244   | .01589 | .00264 | .129   | .00600 | .00783 |
| %RSD   | 1.8345 | 4.9765 | .74980 | 5.4351 | 1.1489 | 1.0490 | 1.4886 | 2.2241 |
| #1     | .47065 | .06379 | 32.372 | .28110 | .23147 | 12.214 | .39869 | .34665 |
| #2     | .48302 | .06844 | 32.717 | .30357 | .22774 | 12.396 | .40717 | .35772 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.8760 | 3.3948 | .61835 | .19251 | .20356 | 5.217  | .31259 | 3.1337 |
| Stddev | .0278  | .0609  | .00774 | .00328 | .00234 | .087   | .00150 | .5408  |
| %RSD   | 1.4808 | 1.7942 | 1.2521 | 1.7029 | 1.1483 | 1.674  | .48034 | 17.257 |
| #1     | 1.8563 | 3.3517 | .61287 | .19019 | .20191 | 5.155  | .31153 | 2.7513 |
| #2     | 1.8956 | 3.4379 | .62382 | .19482 | .20521 | 5.279  | .31366 | 3.5161 |

Sample Name: J6403-66MSD      Acquired: 12/18/2018 14:51:09      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-3-OILY-WA Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | .32390  |
| %RSD   | 63.480  |

|    |         |
|----|---------|
| #1 | -.73926 |
| #2 | -.28120 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3072.5 | 44035. | 3869.1 | 97.066 | 3578.9 |
| Stddev    | 39.6   | 1596.  | 4.0    | 1.195  | 54.3   |
| %RSD      | 1.2888 | 3.6250 | .10328 | 1.2310 | 1.5159 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3100.5 | 45164. | 3872.0 | 96.221 | 3617.3 |
| #2 | 3044.5 | 42906. | 3866.3 | 97.911 | 3540.5 |

Sample Name: J6403-66A      Acquired: 12/18/2018 14:54:58      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .79167 | 1.8409 | .93432 | 1.8584 | .77420 | 2.0384 | .29471 | .19612 |
| Stddev | .00066 | .0011  | .00013 | .0015  | .00204 | .0222  | .00027 | .00436 |
| %RSD   | .08304 | .06061 | .01431 | .08334 | .26313 | 1.0899 | .09034 | 2.2231 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .79213 | 1.8401 | .93422 | 1.8573 | .77564 | 2.0541 | .29490 | .19920 |
| #2 | .79120 | 1.8417 | .93441 | 1.8595 | .77276 | 2.0227 | .29452 | .19304 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18170 | 24.374 | .42613 | .19335 | .30018 | 2.9754 | .49732 | 5.9365 |
| Stddev | .00004 | .137   | .00978 | .00035 | .00036 | .0140  | .01148 | .0181  |
| %RSD   | .02019 | .56279 | 2.2948 | .17859 | .11952 | .46954 | 2.3074 | .30438 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18173 | 24.277 | .43305 | .19360 | .29993 | 2.9853 | .50543 | 5.9492 |
| #2 | .18168 | 24.471 | .41922 | .19311 | .30044 | 2.9655 | .48921 | 5.9237 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .46855 | .06929 | 32.050 | .30428 | .23227 | 12.266 | .39583 | .35819 |
| Stddev | .00138 | .00146 | .162   | .00716 | .00489 | .017   | .00017 | .00424 |
| %RSD   | .29481 | 2.1076 | .50486 | 2.3537 | 2.1040 | .14118 | .04219 | 1.1829 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .46757 | .07032 | 32.165 | .30934 | .23573 | 12.254 | .39571 | .35519 |
| #2 | .46953 | .06826 | 31.936 | .29921 | .22882 | 12.279 | .39595 | .36119 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.8544 | 3.3871 | .60839 | .19173 | .20276 | 5.144  | .30714 | 3.9184 |
| Stddev | .0015  | .0167  | .00137 | .00057 | .00028 | .010   | .00107 | .2879  |
| %RSD   | .08212 | .49372 | .22555 | .29921 | .13625 | .1910  | .34984 | 7.3467 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 1.8555 | 3.3989 | .60742 | .19213 | .20295 | 5.138 | .30790 | 4.1220 |
| #2 | 1.8533 | 3.3752 | .60936 | .19132 | .20256 | 5.151 | .30639 | 3.7149 |

Sample Name: J6403-66A      Acquired: 12/18/2018 14:54:58      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      .07753  
 %RSD      18.650

#1      -.36089  
 #2      -.47054

|           | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. |        |        |        |        |        |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3116.7 | 42355. | 3921.0 | 95.919 | 3630.6 |
| Stddev    | 4.1    | 804.   | 17.8   | 1.926  | 4.0    |
| %RSD      | .13302 | 1.8983 | .45326 | 2.0077 | .11130 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3113.7 | 41787. | 3908.4 | 94.557 | 3627.8 |
| #2 | 3119.6 | 42924. | 3933.5 | 97.281 | 3633.5 |

Sample Name: J6288-05      Acquired: 12/18/2018 15:02:52      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |         |         |        |        |
|--------|--------|--------|---------|---------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00010 | .00119 | -.00200 | -.00115 | -.00016 | -.00515 | .04029 | .00006 |
| Stddev | .00373 | .00033 | .00083  | .00120  | .00065  | .00531  | .00278 | .00012 |
| %RSD   | 3797.3 | 27.580 | 41.268  | 104.53  | 418.54  | 103.14  | 6.9107 | 216.60 |

|    |         |        |         |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|---------|--------|---------|
| #1 | -.00254 | .00143 | -.00142 | -.00030 | .00030  | -.00890 | .03833 | -.00003 |
| #2 | .00274  | .00096 | -.00259 | -.00200 | -.00062 | -.00139 | .04226 | .00015  |

|        |        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00002 | 16.270 | .00013 | .00013 | -.00186 | -.00482 | .00220 | 5.2450 |
| Stddev | .00005 | 1.272  | .00007 | .00021 | .00028  | .00486  | .00001 | .3351  |
| %RSD   | 229.67 | 7.8204 | 57.455 | 160.37 | 14.869  | 100.78  | .29556 | 6.3887 |

|    |         |        |        |         |         |         |        |        |
|----|---------|--------|--------|---------|---------|---------|--------|--------|
| #1 | -.00001 | 15.370 | .00008 | -.00002 | -.00206 | -.00826 | .00220 | 5.0080 |
| #2 | .00005  | 17.170 | .00018 | .00028  | -.00167 | -.00139 | .00221 | 5.4819 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00186 | .00024 | 23.228 | .00022 | .00381 | 1.7407 | -.00027 | .05193 |
| Stddev | .00008 | .00107 | 1.590  | .00004 | .00027 | .0825  | .00013  | .00547 |
| %RSD   | 4.5694 | 438.55 | 6.8468 | 18.685 | 7.1373 | 4.7418 | 50.653  | 10.527 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00192 | -.00051 | 22.103 | .00019 | .00362 | 1.6824 | -.00036 | .04807 |
| #2 | .00180 | .00100  | 24.353 | .00025 | .00400 | 1.7991 | -.00017 | .05580 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.4298 | 4.1842 | -.00360 | .00210 | -.00511 | -.0005 | .19740 | 2.6420 |
| Stddev | .0937  | .2851  | .00044  | .00150 | .00219  | .0014  | .01483 | .0725  |
| %RSD   | 2.1143 | 6.8126 | 12.154  | 71.131 | 42.828  | 291.0  | 7.5133 | 2.7429 |

|    |        |        |         |        |         |        |        |        |
|----|--------|--------|---------|--------|---------|--------|--------|--------|
| #1 | 4.3636 | 3.9826 | -.00391 | .00105 | -.00666 | .0005  | .18691 | 2.6933 |
| #2 | 4.4961 | 4.3858 | -.00330 | .00316 | -.00356 | -.0015 | .20788 | 2.5908 |

Sample Name: J6288-05      Acquired: 12/18/2018 15:02:52      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .74501  
Stddev      .02288  
%RSD      3.0710

#1      .76119  
#2      .72883

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3358.5 | 44728. | 4137.9 | 104.32 | 4039.1 |
| Stddev    | 80.7   | 5.     | 282.9  | 6.53   | 93.5   |
| %RSD      | 2.4027 | .01089 | 6.8364 | 6.2618 | 2.3151 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3415.6 | 44732. | 4337.9 | 108.93 | 4105.2 |
| #2 | 3301.4 | 44725. | 3937.8 | 99.697 | 3973.0 |

Sample Name: J6288-07      Acquired: 12/18/2018 15:06:55      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00200 | .00218 | -.00132 | -.00601 | .00016 | -.01603 | .00536 | .00006 |
| Stddev | .00265 | .00098 | .00026  | .00134  | .00022 | .00435  | .00149 | .00002 |
| %RSD   | 132.00 | 44.685 | 19.313  | 22.220  | 135.85 | 27.159  | 27.716 | 38.322 |

|    |        |        |         |         |        |         |        |        |
|----|--------|--------|---------|---------|--------|---------|--------|--------|
| #1 | .00388 | .00149 | -.00114 | -.00507 | .00001 | -.01911 | .00642 | .00004 |
| #2 | .00013 | .00287 | -.00151 | -.00696 | .00031 | -.01295 | .00431 | .00007 |

|        |        |        |        |         |         |         |         |        |
|--------|--------|--------|--------|---------|---------|---------|---------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00027 | 1.7412 | .00887 | -.00003 | -.00211 | -.00484 | -.00009 | .50137 |
| Stddev | .00003 | .0605  | .00059 | .00014  | .00024  | .00593  | .00005  | .01073 |
| %RSD   | 9.4835 | 3.4724 | 6.6893 | 416.44  | 11.600  | 122.69  | 49.871  | 2.1393 |

|    |        |        |        |         |         |         |         |        |
|----|--------|--------|--------|---------|---------|---------|---------|--------|
| #1 | .00028 | 1.7839 | .00929 | .00006  | -.00228 | -.00064 | -.00013 | .50896 |
| #2 | .00025 | 1.6984 | .00845 | -.00013 | -.00193 | -.00903 | -.00006 | .49379 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00038 | -.00015 | 11.932 | .00023 | .00516 | .28517 | -.00013 | .01202 |
| Stddev | .00014 | .00081  | .420   | .00020 | .00033 | .01276 | .00018  | .00365 |
| %RSD   | 36.722 | 540.40  | 3.5174 | 86.257 | 6.3255 | 4.4736 | 143.59  | 30.344 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00028 | .00042  | 12.229 | .00009 | .00539 | .29420 | .00000  | .01460 |
| #2 | .00048 | -.00072 | 11.635 | .00038 | .00493 | .27615 | -.00025 | .00944 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .75257 | 1.8889 | -.00235 | .00151 | -.00805 | .0011  | .00827 | 3.1051 |
| Stddev | .00079 | .0864  | .00023  | .00060 | .00036  | .0007  | .00019 | .8820  |
| %RSD   | .10519 | 4.5730 | 9.6409  | 39.554 | 4.4551  | 64.40  | 2.2654 | 28.405 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | .75313 | 1.9500 | -.00251 | .00193 | -.00831 | .0015 | .00840 | 3.7288 |
| #2 | .75201 | 1.8278 | -.00219 | .00109 | -.00780 | .0006 | .00814 | 2.4814 |



Sample Name: J6288-07      Acquired: 12/18/2018 15:06:55      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .36230  
Stddev      .22496  
%RSD      62.091

#1      .20323  
#2      .52136

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3278.4 | 43405. | 3964.6 | 101.54 | 4002.3 |
| Stddev    | 5.6    | 2315.  | 131.5  | 4.34   | 25.8   |
| %RSD      | .17039 | 5.3341 | 3.3172 | 4.2777 | .64520 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3274.4 | 41768. | 3871.6 | 98.469 | 3984.0 |
| #2 | 3282.3 | 45042. | 4057.6 | 104.61 | 4020.5 |

Sample Name: J6259-19      Acquired: 12/18/2018 15:11:01      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00203  | .00137 | -.00132 | .00101  | .00105  | -.02758 | .03880  | .00010 |
| Stddev | .00107  | .00072 | .00030  | .00326  | .00037  | .00321  | .00193  | .00005 |
| %RSD   | 52.738  | 52.609 | 22.959  | 321.30  | 35.172  | 11.622  | 4.9712  | 46.559 |
| #1     | .00278  | .00188 | -.00111 | -.00129 | .00131  | -.02532 | .04016  | .00013 |
| #2     | .00127  | .00086 | -.00154 | .00332  | .00079  | -.02985 | .03743  | .00007 |
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00002 | 16.380 | -.00024 | -.00014 | -.00255 | -.00326 | -.00006 | 3.7849 |
| Stddev | .00004  | .355   | .00021  | .00007  | .00019  | .00208  | .00001  | .1153  |
| %RSD   | 204.41  | 2.1667 | 88.191  | 51.707  | 7.6375  | 63.657  | 18.513  | 3.0473 |
| #1     | -.00005 | 16.631 | -.00009 | -.00009 | -.00241 | -.00179 | -.00005 | 3.8665 |
| #2     | .00001  | 16.129 | -.00039 | -.00019 | -.00269 | -.00473 | -.00007 | 3.7034 |
| Elem   | Ni2316  | Ag3280 | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00044  | .00014 | 16.426  | -.00024 | .00221  | 3.6803  | -.00019 | .06230 |
| Stddev | .00002  | .00007 | .319    | .00022  | .00014  | .0922   | .00007  | .00364 |
| %RSD   | 5.3436  | 51.059 | 1.9435  | 92.168  | 6.4337  | 2.5050  | 34.164  | 5.8474 |
| #1     | .00046  | .00020 | 16.652  | -.00040 | .00231  | 3.7455  | -.00015 | .05972 |
| #2     | .00043  | .00009 | 16.200  | -.00008 | .00211  | 3.6151  | -.00024 | .06487 |
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | 4.3992  | 2.4379 | -.00372 | .00346  | -.00836 | -.0015  | .14453  | 2.6900 |
| Stddev | .0213   | .0374  | .00008  | .00125  | .00106  | .0010   | .00390  | .0686  |
| %RSD   | .48443  | 1.5357 | 2.2141  | 36.020  | 12.643  | 70.97   | 2.6982  | 2.5501 |
| #1     | 4.3841  | 2.4644 | -.00378 | .00435  | -.00910 | -.0007  | .14728  | 2.6415 |
| #2     | 4.4143  | 2.4114 | -.00366 | .00258  | -.00761 | -.0022  | .14177  | 2.7385 |

Sample Name: J6259-19      Acquired: 12/18/2018 15:11:01      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.0016  
Stddev      .0470  
%RSD      4.6904

#1      1.0348  
#2      .96838

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3218.5 | 44722. | 3977.0 | 101.13 | 3880.3 |
| Stddev    | 12.7   | 23.    | 76.1   | 1.63   | 8.9    |
| %RSD      | .39457 | .05162 | 1.9137 | 1.6112 | .22822 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3209.5 | 44706. | 3923.2 | 99.977 | 3886.6 |
| #2 | 3227.4 | 44739. | 4030.9 | 102.28 | 3874.1 |

Sample Name: J6259-25      Acquired: 12/18/2018 15:15:04      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00121 | .00228 | -.00080 | -.00094 | .00176 | -.00305 | .00159 | .00006 |
| Stddev | .00073 | .00068 | .00022  | .00121  | .00234 | .00410  | .00074 | .00008 |
| %RSD   | 59.794 | 29.726 | 27.118  | 129.46  | 133.00 | 134.18  | 46.680 | 135.99 |

|    |        |        |         |         |        |         |        |        |
|----|--------|--------|---------|---------|--------|---------|--------|--------|
| #1 | .00173 | .00276 | -.00095 | -.00179 | .00341 | -.00595 | .00212 | .00012 |
| #2 | .00070 | .00180 | -.00065 | -.00008 | .00010 | -.00016 | .00107 | .00000 |

|        |         |        |         |         |         |        |         |        |
|--------|---------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00009 | .04895 | -.00009 | -.00012 | -.00189 | .00395 | -.00001 | .02797 |
| Stddev | .00004  | .01787 | .00025  | .00004  | .00050  | .00437 | .00007  | .03784 |
| %RSD   | 48.652  | 36.506 | 261.88  | 36.873  | 26.292  | 110.51 | 797.52  | 135.26 |

|    |         |        |         |         |         |        |         |        |
|----|---------|--------|---------|---------|---------|--------|---------|--------|
| #1 | -.00006 | .06158 | -.00027 | -.00009 | -.00224 | .00704 | .00004  | .05473 |
| #2 | -.00012 | .03631 | .00008  | -.00015 | -.00154 | .00086 | -.00005 | .00122 |

|        |        |        |        |         |        |         |         |         |
|--------|--------|--------|--------|---------|--------|---------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664  | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00110 | .00022 | .19864 | -.00007 | .00991 | -.06572 | -.00016 | -.00524 |
| Stddev | .00009 | .00047 | .00295 | .00025  | .00026 | .02855  | .00002  | .00916  |
| %RSD   | 8.5078 | 215.79 | 1.4865 | 385.10  | 2.6470 | 43.440  | 14.053  | 174.65  |

|    |        |         |        |         |        |         |         |         |
|----|--------|---------|--------|---------|--------|---------|---------|---------|
| #1 | .00104 | -.00012 | .20072 | .00011  | .01010 | -.04554 | -.00014 | .00123  |
| #2 | .00117 | .00055  | .19655 | -.00024 | .00973 | -.08591 | -.00017 | -.01172 |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00027 | .01106 | -.00164 | .00072 | -.00804 | -.0007 | .00024 | 2.5925 |
| Stddev | .00108  | .00133 | .00054  | .00266 | .00029  | .0014  | .00011 | .0001  |
| %RSD   | 402.09  | 12.032 | 33.203  | 370.10 | 3.6558  | 211.3  | 43.991 | .00429 |

|    |         |        |         |         |         |        |        |        |
|----|---------|--------|---------|---------|---------|--------|--------|--------|
| #1 | .00050  | .01200 | -.00202 | .00260  | -.00783 | -.0017 | .00032 | 2.5925 |
| #2 | -.00103 | .01011 | -.00125 | -.00116 | -.00825 | .0003  | .00017 | 2.5926 |

Sample Name: J6259-25      Acquired: 12/18/2018 15:15:04      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .69339  
Stddev      .06533  
%RSD      9.4214

#1      .73958  
#2      .64720

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3271.4 | 45231. | 3940.9 | 98.571 | 4033.0 |
| Stddev    | 21.8   | 58.    | 77.0   | 2.622  | 3.6    |
| %RSD      | .66755 | .12750 | 1.9530 | 2.6602 | .08922 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3255.9 | 45190. | 3886.5 | 96.717 | 4030.5 |
| #2 | 3286.8 | 45272. | 3995.3 | 100.43 | 4035.6 |

Sample Name: J6314-11      Acquired: 12/18/2018 15:23:11      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00065 | .00168 | -.00158 | -.00712 | -.00071 | -.01977 | .01093 | .00008 |
| Stddev | .00311  | .00066 | .00030  | .00085  | .00036  | .00401  | .00083 | .00002 |
| %RSD   | 479.28  | 39.200 | 19.319  | 12.011  | 51.276  | 20.272  | 7.6355 | 28.384 |

|    |         |        |         |         |         |         |        |        |
|----|---------|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00155  | .00122 | -.00179 | -.00772 | -.00045 | -.01694 | .01152 | .00007 |
| #2 | -.00285 | .00215 | -.00136 | -.00651 | -.00097 | -.02260 | .01034 | .00010 |

|        |         |        |        |        |         |         |        |        |
|--------|---------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00002 | 2.9377 | .00003 | .00029 | -.00190 | -.00509 | .00896 | 1.0538 |
| Stddev | .00006  | .0542  | .00007 | .00012 | .00010  | .00541  | .00010 | .0238  |
| %RSD   | 277.42  | 1.8438 | 218.55 | 41.287 | 5.1483  | 106.28  | 1.1484 | 2.2560 |

|    |         |        |         |        |         |         |        |        |
|----|---------|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00002  | 2.9760 | -.00002 | .00037 | -.00197 | -.00127 | .00889 | 1.0369 |
| #2 | -.00006 | 2.8994 | .00008  | .00020 | -.00183 | -.00892 | .00903 | 1.0706 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00047 | -.00018 | 10.021 | .00013 | .00325 | .80808 | -.00016 | .02307 |
| Stddev | .00038 | .00069  | .132   | .00031 | .00003 | .02176 | .00012  | .00214 |
| %RSD   | 79.702 | 382.14  | 1.3143 | 231.13 | .77859 | 2.6932 | 73.332  | 9.2962 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00074 | -.00067 | 10.114 | .00035  | .00323 | .82347 | -.00024 | .02155 |
| #2 | .00021 | .00031  | 9.9279 | -.00008 | .00327 | .79269 | -.00008 | .02458 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.6233 | 3.4383 | -.00288 | .00210 | -.00746 | -.0007 | .03264 | 2.7669 |
| Stddev | .0838  | .0920  | .00087  | .00271 | .00164  | .0009  | .00041 | .1855  |
| %RSD   | 3.1953 | 2.6747 | 30.237  | 129.16 | 21.987  | 123.8  | 1.2592 | 6.7042 |

|    |        |        |         |        |         |        |        |        |
|----|--------|--------|---------|--------|---------|--------|--------|--------|
| #1 | 2.5640 | 3.5033 | -.00349 | .00401 | -.00630 | -.0014 | .03293 | 2.8981 |
| #2 | 2.6825 | 3.3733 | -.00226 | .00018 | -.00862 | -.0001 | .03235 | 2.6357 |

Sample Name: J6314-11      Acquired: 12/18/2018 15:23:11      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .68069  
Stddev      .24362  
%RSD      35.791

#1      .50842  
#2      .85296

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3156.8 | 44474. | 3972.3 | 101.10 | 3887.8 |
| Stddev    | 99.4   | 85.    | 81.8   | 1.56   | 120.3  |
| %RSD      | 3.1490 | .19157 | 2.0580 | 1.5450 | 3.0936 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3227.1 | 44414. | 3914.5 | 99.995 | 3972.8 |
| #2 | 3086.5 | 44534. | 4030.1 | 102.20 | 3802.7 |

Sample Name: J6314-21      Acquired: 12/18/2018 15:27:13      Type: Unk  
Method: P4-ICP2(v2662)      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    | .05989 | .00159 | -.00061 | -.00347 | -.00075 | .84607 | .00626 | .00008 |
| Stddev | .00009 | .00113 | .00070  | .00431  | .00114  | .00685 | .00016 | .00004 |
| %RSD   | .15862 | 70.820 | 114.44  | 124.17  | 153.07  | .80910 | 2.5848 | 48.270 |

|    |        |        |         |         |         |        |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|--------|
| #1 | .05982 | .00079 | -.00111 | -.00042 | .00006  | .85091 | .00614 | .00011 |
| #2 | .05996 | .00239 | -.00012 | -.00652 | -.00155 | .84123 | .00637 | .00006 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00005 | 1.4107 | -.00007 | .00052 | .01101 | .10491 | .00229 | .08066 |
| Stddev | .00001 | .1075  | .00014  | .00009 | .00020 | .01690 | .00009 | .02238 |
| %RSD   | 26.361 | 7.6220 | 183.80  | 16.472 | 1.8466 | 16.112 | 3.8143 | 27.750 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00006 | 1.3347 | -.00017 | .00046 | .01086 | .09296 | .00235 | .09649 |
| #2 | .00004 | 1.4867 | .00002  | .00058 | .01115 | .11686 | .00223 | .06483 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00216 | .00012 | 37.641 | .01672 | .00261 | .36339 | .00674 | .05887 |
| Stddev | .00034 | .00036 | 3.080  | .00064 | .00045 | .01899 | .00025 | .00125 |
| %RSD   | 15.830 | 310.92 | 8.1836 | 3.8174 | 17.263 | 5.2256 | 3.7379 | 2.1234 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00192 | -.00014 | 35.462 | .01717 | .00229 | .37682 | .00691 | .05975 |
| #2 | .00240 | .00037  | 39.819 | .01627 | .00292 | .34997 | .00656 | .05798 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.6308 | 2.3315 | -.00200 | .01226 | -.00708 | .3161  | .03607 | 3.1226 |
| Stddev | .0161  | .1410  | .00023  | .00066 | .00167  | .0066  | .00280 | .3722  |
| %RSD   | .61349 | 6.0459 | 11.312  | 5.3563 | 23.541  | 2.087  | 7.7625 | 11.920 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 2.6423 | 2.2318 | -.00216 | .01179 | -.00825 | .3208 | .03409 | 3.3858 |
| #2 | 2.6194 | 2.4312 | -.00184 | .01272 | -.00590 | .3114 | .03805 | 2.8594 |



Sample Name: J6314-21      Acquired: 12/18/2018 15:27:13      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .60072  
 Stddev      .11749  
 %RSD      19.558

#1      .68379  
 #2      .51764

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3230.7 | 43586. | 4107.1 | 102.07 | 3835.9 |
| Stddev    | 14.5   | 893.   | 279.8  | 8.77   | 16.6   |
| %RSD      | .45028 | 2.0489 | 6.8133 | 8.5914 | .43221 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3220.4 | 42955. | 4305.0 | 108.27 | 3824.2 |
| #2 | 3241.0 | 44218. | 3909.3 | 95.870 | 3847.7 |

Sample Name: J6314-07      Acquired: 12/18/2018 15:35:24      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00094  | .00006 | -.00166 | -.00263 | -.00063 | -.00876 | .01770  | .00005 |
| Stddev | .00275  | .00006 | .00011  | .00129  | .00061  | .00850  | .00067  | .00002 |
| %RSD   | 291.95  | 99.237 | 6.5771  | 48.812  | 97.321  | 96.975  | 3.7903  | 35.994 |
| #1     | .00288  | .00009 | -.00158 | -.00172 | -.00020 | -.00275 | .01722  | .00004 |
| #2     | -.00100 | .00002 | -.00174 | -.00354 | -.00106 | -.01477 | .01817  | .00007 |
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00032  | 6.2028 | .00002  | -.00012 | -.00167 | .00451  | -.00003 | 1.5332 |
| Stddev | .00002  | .0484  | .00028  | .00022  | .00016  | .00980  | .00005  | .0360  |
| %RSD   | 5.9309  | .77971 | 1453.9  | 180.20  | 9.6234  | 217.59  | 162.87  | 2.3473 |
| #1     | .00031  | 6.2370 | .00022  | -.00028 | -.00178 | -.00243 | -.00007 | 1.5587 |
| #2     | .00033  | 6.1686 | -.00018 | .00003  | -.00156 | .01144  | .00000  | 1.5078 |
| Elem   | Ni2316  | Ag3280 | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00016  | .00048 | 33.880  | .00013  | .00502  | 1.2305  | -.00021 | .01482 |
| Stddev | .00018  | .00028 | .215    | .00022  | .00019  | .0342   | .00010  | .00369 |
| %RSD   | 117.34  | 58.596 | .63515  | 170.61  | 3.7503  | 2.7773  | 46.972  | 24.886 |
| #1     | .00003  | .00067 | 34.032  | -.00003 | .00515  | 1.2063  | -.00028 | .01221 |
| #2     | .00029  | .00028 | 33.728  | .00029  | .00489  | 1.2546  | -.00014 | .01742 |
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | 2.8223  | 2.2033 | -.00276 | .00440  | -.00797 | -.0003  | .04670  | 2.8630 |
| Stddev | .0585   | .0018  | .00000  | .00130  | .00144  | .0010   | .00019  | .8683  |
| %RSD   | 2.0743  | .08146 | .02367  | 29.528  | 18.126  | 392.6   | .40781  | 30.329 |
| #1     | 2.8637  | 2.2021 | -.00276 | .00531  | -.00695 | .0004   | .04684  | 2.2490 |
| #2     | 2.7809  | 2.2046 | -.00276 | .00348  | -.00899 | -.0010  | .04657  | 3.4770 |

Sample Name: J6314-07      Acquired: 12/18/2018 15:35:24      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.2635  
 Stddev      .6492  
 %RSD      51.381

#1      .80443  
 #2      1.7225

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3138.6 | 44805. | 3925.9 | 99.467 | 3778.3 |
| Stddev    | 61.4   | 2373.  | 44.7   | 1.323  | 57.3   |
| %RSD      | 1.9566 | 5.2960 | 1.1395 | 1.3303 | 1.5174 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3095.1 | 46483. | 3894.2 | 98.532 | 3737.8 |
| #2 | 3182.0 | 43127. | 3957.5 | 100.40 | 3818.8 |

Sample Name: J6288-03      Acquired: 12/18/2018 15:43:44      Type: Unk  
Method: P4-ICP2(v2662)      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  | -.00015 | .00093  | -.00271 | .00003  | -.01041 | .03794  | .00009 |
| Stddev | .00065  | .00028  | .00002  | .00187  | .00112  | .00086  | .00546  | .00003 |
| %RSD   | 40.952  | 184.41  | 2.4029  | 69.007  | 4245.5  | 8.2164  | 14.393  | 31.834 |
| #1     | .00113  | .00005  | .00091  | -.00403 | .00082  | -.01101 | .03408  | .00011 |
| #2     | .00206  | -.00035 | .00095  | -.00139 | -.00077 | -.00980 | .04180  | .00007 |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00005 | 9.0354  | .00878  | .00022  | -.00159 | -.00799 | .01507  | 3.3321 |
| Stddev | .00003  | .9456   | .00013  | .00007  | .00017  | .01073  | .00000  | .2914  |
| %RSD   | 57.820  | 10.466  | 1.4685  | 30.482  | 10.852  | 134.33  | .00698  | 8.7460 |
| #1     | -.00007 | 8.3668  | .00869  | .00027  | -.00171 | -.01557 | .01507  | 3.1260 |
| #2     | -.00003 | 9.7041  | .00887  | .00017  | -.00147 | -.00040 | .01507  | 3.5381 |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00081  | .00059  | 21.753  | .00050  | .00326  | 1.5239  | -.00022 | .02036 |
| Stddev | .00017  | .00014  | 2.010   | .00030  | .00047  | .1210   | .00007  | .00737 |
| %RSD   | 21.060  | 23.025  | 9.2380  | 59.076  | 14.346  | 7.9378  | 30.844  | 36.217 |
| #1     | .00093  | .00069  | 20.332  | .00072  | .00293  | 1.4383  | -.00027 | .02557 |
| #2     | .00069  | .00050  | 23.174  | .00029  | .00359  | 1.6094  | -.00017 | .01515 |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | 2.3331  | 2.8091  | -.00255 | .00330  | -.00362 | -.0008  | .10019  | 3.4219 |
| Stddev | .0197   | .2357   | .00066  | .00217  | .00126  | .0007   | .01025  | .0921  |
| %RSD   | .84464  | 8.3895  | 25.782  | 65.760  | 34.862  | 95.40   | 10.227  | 2.6901 |
| #1     | 2.3470  | 2.6424  | -.00208 | .00177  | -.00452 | -.0013  | .09294  | 3.3568 |
| #2     | 2.3192  | 2.9757  | -.00301 | .00484  | -.00273 | -.0003  | .10743  | 3.4870 |

Sample Name: J6288-03      Acquired: 12/18/2018 15:43:44      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .96445  
Stddev      .57418  
%RSD      59.535

#1      1.3705  
#2      .55844

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3208.3 | 43598. | 3714.0 | 94.247 | 3884.5 |
| Stddev    | 5.8    | 204.   | 311.9  | 7.439  | 3.3    |
| %RSD      | .18094 | .46794 | 8.3973 | 7.8936 | .08393 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3204.2 | 43454. | 3934.5 | 99.508 | 3882.2 |
| #2 | 3212.4 | 43742. | 3493.4 | 88.987 | 3886.8 |

Sample Name: CCV04      Acquired: 12/18/2018 15:47:47      Type: Unk  
Method: P4-ICP2(v2662)      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    | 5.1020 | 4.7749 | 4.9281 | 4.9297 | 5.0612 | 10.120 | 9.8999 | .24829 |
| Stddev | .0166  | .0185  | .0239  | .0258  | .0222  | .044   | .0495  | .00023 |
| %RSD   | .32575 | .38817 | .48588 | .52281 | .43902 | .43112 | .49993 | .09120 |
| #1     | 5.1138 | 4.7880 | 4.9450 | 4.9479 | 5.0770 | 10.089 | 9.9349 | .24845 |
| #2     | 5.0903 | 4.7618 | 4.9112 | 4.9115 | 5.0455 | 10.151 | 9.8649 | .24813 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3977 | 25.542 | 1.0102 | 2.4298 | 1.2504 | 4.7133 | 2.5034 | 24.103 |
| Stddev | .0133  | .067   | .0034  | .0150  | .0052  | .0194  | .0047  | .120   |
| %RSD   | .55458 | .26372 | .33122 | .61796 | .41492 | .41201 | .18853 | .49739 |
| #1     | 2.4071 | 25.494 | 1.0126 | 2.4404 | 1.2540 | 4.6996 | 2.5067 | 24.188 |
| #2     | 2.3883 | 25.589 | 1.0079 | 2.4192 | 1.2467 | 4.7271 | 2.5001 | 24.018 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3684 | 1.1996 | 23.623 | 2.3577 | 2.4823 | 24.500 | 4.8626 | 4.8689 |
| Stddev | .0120  | .0049  | .105   | .0079  | .0172  | .192   | .0166  | .0085  |
| %RSD   | .50436 | .40578 | .44298 | .33554 | .69455 | .78475 | .34167 | .17500 |
| #1     | 2.3769 | 1.2031 | 23.697 | 2.3633 | 2.4945 | 24.636 | 4.8744 | 4.8750 |
| #2     | 2.3600 | 1.1962 | 23.549 | 2.3521 | 2.4702 | 24.364 | 4.8509 | 4.8629 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.5914 | 4.9484 | 4.6555 | 4.9312 | 4.8653 | 4.786  | 5.1748 | 4.7264 |
| Stddev | .0395  | .0119  | .0256  | .0083  | .0149  | .026   | .0168  | .0653  |
| %RSD   | .86042 | .24081 | .54904 | .16874 | .30676 | .5400  | .32375 | 1.3806 |
| #1     | 4.6193 | 4.9568 | 4.6735 | 4.9371 | 4.8758 | 4.805  | 5.1866 | 4.7726 |
| #2     | 4.5635 | 4.9400 | 4.6374 | 4.9253 | 4.8547 | 4.768  | 5.1629 | 4.6803 |

Sample Name: CCV04      Acquired: 12/18/2018 15:47:47      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.1984  
Stddev      .1894  
%RSD      8.6140

#1      2.0645  
#2      2.3323

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3002.2 | 41268. | 3822.9 | 92.459 | 3369.3 |
| Stddev    | 15.4   | 255.   | 26.9   | .622   | 19.4   |
| %RSD      | .51169 | .61705 | .70390 | .67259 | .57528 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2991.3 | 41088. | 3803.8 | 92.019 | 3355.6 |
| #2 | 3013.0 | 41448. | 3841.9 | 92.899 | 3383.0 |

Sample Name: CCB04      Acquired: 12/18/2018 15:51:31      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00158 | .00194 | .00037 | -.00200 | .00143 | -.02221 | .00132 | .00001 |
| Stddev | .00082  | .00098 | .00148 | .00038  | .00058 | .00249  | .00007 | .00001 |
| %RSD   | 51.928  | 50.607 | 397.12 | 19.116  | 40.259 | 11.194  | 5.1894 | 84.554 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00100 | .00264 | -.00067 | -.00227 | .00184 | -.02397 | .00136 | .00002 |
| #2 | -.00217 | .00125 | .00142  | -.00173 | .00102 | -.02045 | .00127 | .00001 |

|        |         |         |        |        |         |        |         |        |
|--------|---------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00002 | -.00586 | .00004 | .00009 | -.00165 | .00370 | -.00004 | .03816 |
| Stddev | .00005  | .00905  | .00028 | .00010 | .00002  | .01336 | .00008  | .06361 |
| %RSD   | 331.98  | 154.47  | 638.57 | 113.08 | 1.3623  | 360.85 | 198.31  | 166.69 |

|    |         |         |         |        |         |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00002  | -.01226 | -.00015 | .00002 | -.00167 | .01315  | .00002  | -.00682 |
| #2 | -.00006 | .00054  | .00024  | .00016 | -.00164 | -.00575 | -.00010 | .08314  |

|        |        |        |         |         |         |         |        |        |
|--------|--------|--------|---------|---------|---------|---------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00004 | .00015 | -.13911 | -.00001 | -.00092 | -.03379 | .00012 | .00515 |
| Stddev | .00098 | .00061 | .00418  | .00002  | .00000  | .02808  | .00006 | .01323 |
| %RSD   | 2627.7 | 413.97 | 3.0015  | 173.42  | .19910  | 83.091  | 50.057 | 257.14 |

|    |         |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00073  | .00058  | -.14206 | .00000  | -.00092 | -.05365 | .00016 | .01450  |
| #2 | -.00066 | -.00028 | -.13616 | -.00002 | -.00091 | -.01394 | .00007 | -.00421 |

|        |         |        |         |        |         |        |        |          |
|--------|---------|--------|---------|--------|---------|--------|--------|----------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670   |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | -.00693 | .00700 | -.00022 | .00123 | -.00317 | -.0009 | .00006 | F 3.4679 |
| Stddev | .00006  | .00048 | .00051  | .00088 | .00091  | .0002  | .00003 | .0373    |
| %RSD   | .84443  | 6.9136 | 231.21  | 71.854 | 28.836  | 20.03  | 44.575 | 1.0756   |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | -.00689 | .00665 | -.00058 | .00060 | -.00382 | -.0010 | .00008 | 3.4415 |
| #2 | -.00698 | .00734 | .00014  | .00185 | -.00253 | -.0008 | .00004 | 3.4942 |



Sample Name: CCB04      Acquired: 12/18/2018 15:51:31      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .30824 |
| Stddev | .11689   |
| %RSD   | 37.923   |

|    |        |
|----|--------|
| #1 | .39089 |
| #2 | .22558 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3224.6 | 43610. | 3849.3 | 97.042 | 3930.9 |
| Stddev    | 325.2  | 156.   | 13.0   | 2.204  | 414.6  |
| %RSD      | 10.084 | .35766 | .33842 | 2.2710 | 10.548 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3454.6 | 43500. | 3840.1 | 98.600 | 4224.1 |
| #2 | 2994.7 | 43720. | 3858.5 | 95.483 | 3637.7 |

Sample Name: J6314-23      Acquired: 12/18/2018 15:55:36      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |         |         |        |        |
|--------|--------|--------|--------|---------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00123 | .00027 | .00075 | -.00005 | -.00053 | -.02915 | .12245 | .00010 |
| Stddev | .00090 | .00098 | .00045 | .00154  | .00216  | .00394  | .00281 | .00005 |
| %RSD   | 73.079 | 357.21 | 60.635 | 3066.0  | 407.33  | 13.531  | 2.2909 | 45.143 |

|    |        |         |        |         |         |         |        |        |
|----|--------|---------|--------|---------|---------|---------|--------|--------|
| #1 | .00060 | -.00042 | .00107 | .00104  | .00100  | -.02636 | .12443 | .00014 |
| #2 | .00187 | .00097  | .00043 | -.00114 | -.00206 | -.03194 | .12047 | .00007 |

|        |        |        |        |         |         |         |        |        |
|--------|--------|--------|--------|---------|---------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00052 | 57.745 | .00114 | -.00032 | -.00233 | -.00930 | .00031 | 7.3917 |
| Stddev | .00013 | 1.320  | .00045 | .00011  | .00023  | .00010  | .00004 | .2426  |
| %RSD   | 24.710 | 2.2865 | 39.484 | 33.180  | 9.9770  | 1.0440  | 12.747 | 3.2822 |

|    |        |        |        |         |         |         |        |        |
|----|--------|--------|--------|---------|---------|---------|--------|--------|
| #1 | .00061 | 58.678 | .00146 | -.00040 | -.00250 | -.00937 | .00028 | 7.5633 |
| #2 | .00043 | 56.811 | .00082 | -.00024 | -.00217 | -.00923 | .00034 | 7.2202 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00227 | .00002 | 240.79 | .00022 | .00265 | 5.3437 | .00006 | .02136 |
| Stddev | .00110  | .00029 | 3.68   | .00033 | .00007 | .1600  | .00008 | .00149 |
| %RSD   | 48.454  | 1828.9 | 1.5273 | 146.45 | 2.7878 | 2.9942 | 144.05 | 6.9662 |

|    |         |         |        |         |        |        |         |        |
|----|---------|---------|--------|---------|--------|--------|---------|--------|
| #1 | -.00305 | -.00019 | 243.39 | .00045  | .00270 | 5.4568 | -.00000 | .02031 |
| #2 | -.00150 | .00022  | 238.19 | -.00001 | .00260 | 5.2306 | .00012  | .02241 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.6526 | 1.6060 | -.00362 | .00017 | -.00562 | -.0032 | .50199 | 4.1690 |
| Stddev | .5120  | .0432  | .00069  | .00030 | .00131  | .0007  | .01326 | .1276  |
| %RSD   | 7.6961 | 2.6906 | 19.015  | 177.28 | 23.271  | 22.90  | 2.6423 | 3.0615 |

|    |        |        |         |         |         |        |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|--------|
| #1 | 7.0146 | 1.6366 | -.00313 | -.00004 | -.00470 | -.0038 | .51137 | 4.2593 |
| #2 | 6.2905 | 1.5755 | -.00411 | .00038  | -.00655 | -.0027 | .49261 | 4.0787 |

Sample Name: J6314-23      Acquired: 12/18/2018 15:55:36      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.3190  
 Stddev      .4155  
 %RSD      17.919

#1      2.6129  
 #2      2.0252

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2906.9 | 41609. | 3883.5 | 96.408 | 3256.1 |
| Stddev    | 189.8  | 258.   | 105.2  | 1.328  | 207.6  |
| %RSD      | 6.5281 | .62002 | 2.7089 | 1.3775 | 6.3747 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2772.7 | 41426. | 3809.1 | 95.469 | 3109.4 |
| #2 | 3041.0 | 41791. | 3957.9 | 97.347 | 3402.9 |

Sample Name: J6314-25      Acquired: 12/18/2018 15:59:44      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00161 | .00223 | -.00103 | -.00141 | .00149 | -.00468 | .00164 | .00010 |
| Stddev | .00024 | .00007 | .00094  | .00166  | .00092 | .00627  | .00015 | .00004 |
| %RSD   | 15.029 | 3.1626 | 90.649  | 117.45  | 61.627 | 134.06  | 8.9444 | 42.075 |

|    |        |        |         |         |        |         |        |        |
|----|--------|--------|---------|---------|--------|---------|--------|--------|
| #1 | .00178 | .00218 | -.00170 | -.00258 | .00214 | -.00911 | .00174 | .00007 |
| #2 | .00144 | .00228 | -.00037 | -.00024 | .00084 | -.00024 | .00154 | .00013 |

|        |        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00001 | .00292 | .00016 | .00001 | -.00171 | .00078 | -.00022 | .02394 |
| Stddev | .00003 | .00397 | .00006 | .00002 | .00012  | .00140 | .00000  | .00981 |
| %RSD   | 361.06 | 136.19 | 41.041 | 144.41 | 6.9004  | 181.12 | 1.5480  | 40.990 |

|    |         |        |        |         |         |         |         |        |
|----|---------|--------|--------|---------|---------|---------|---------|--------|
| #1 | -.00001 | .00572 | .00020 | .00003  | -.00162 | .00177  | -.00022 | .03088 |
| #2 | .00003  | .00011 | .00011 | -.00000 | -.00179 | -.00022 | -.00022 | .01700 |

|        |        |         |         |        |        |         |         |        |
|--------|--------|---------|---------|--------|--------|---------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138 | K_7664  | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00072 | -.00015 | -.05141 | .00047 | .00307 | -.02816 | -.00007 | .00040 |
| Stddev | .00025 | .00036  | .00502  | .00061 | .00002 | .00662  | .00012  | .00034 |
| %RSD   | 34.805 | 239.95  | 9.7604  | 131.70 | .80845 | 23.506  | 180.02  | 86.111 |

|    |        |         |         |        |        |         |         |        |
|----|--------|---------|---------|--------|--------|---------|---------|--------|
| #1 | .00055 | -.00040 | -.04786 | .00003 | .00306 | -.02348 | -.00015 | .00016 |
| #2 | .00090 | .00010  | -.05495 | .00090 | .00309 | -.03284 | .00002  | .00064 |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00284 | .05685 | -.00229 | .00157 | -.00738 | -.0004 | .00009 | 4.8731 |
| Stddev | .00246  | .00031 | .00010  | .00156 | .00025  | .0007  | .00004 | 3.1799 |
| %RSD   | 86.621  | .54522 | 4.4742  | 99.662 | 3.3454  | 161.2  | 43.849 | 65.255 |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | -.00110 | .05663 | -.00237 | .00046 | -.00756 | -.0009 | .00012 | 2.6246 |
| #2 | -.00458 | .05707 | -.00222 | .00268 | -.00721 | .0001  | .00007 | 7.1217 |

Sample Name: J6314-25      Acquired: 12/18/2018 15:59:44      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .49945  
Stddev      .02135  
%RSD      4.2744

#1      .51454  
#2      .48435

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3249.6 | 39651. | 3959.6 | 102.68 | 4036.8 |
| Stddev    | 14.9   | 8937.  | 20.3   | 1.06   | 16.3   |
| %RSD      | .45752 | 22.539 | .51203 | 1.0330 | .40311 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3239.1 | 45971. | 3945.3 | 103.43 | 4025.3 |
| #2 | 3260.1 | 33332. | 3974.0 | 101.93 | 4048.3 |

Sample Name: J6335-07      Acquired: 12/18/2018 16:03:48      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00150 | .00083 | -.00162 | -.00072 | -.00029 | -.02294 | .21488 | .00008 |
| Stddev | .00124 | .00134 | .00053  | .00119  | .00133  | .00437  | .06177 | .00001 |
| %RSD   | 82.939 | 161.71 | 32.766  | 165.16  | 455.68  | 19.039  | 28.747 | 17.474 |

|    |        |         |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|---------|--------|--------|
| #1 | .00062 | -.00012 | -.00124 | .00012  | -.00123 | -.01985 | .17120 | .00007 |
| #2 | .00238 | .00178  | -.00199 | -.00156 | .00065  | -.02603 | .25856 | .00009 |

|        |        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00007 | 30.812 | .00975 | .00005 | -.00156 | -.00148 | .04356 | 7.3889 |
| Stddev | .00004 | 8.066  | .00025 | .00001 | .00017  | .00869  | .00025 | 1.9604 |
| %RSD   | 49.664 | 26.178 | 2.5531 | 13.791 | 11.170  | 586.60  | .57772 | 26.532 |

|    |        |        |        |        |         |         |        |        |
|----|--------|--------|--------|--------|---------|---------|--------|--------|
| #1 | .00005 | 25.109 | .00958 | .00004 | -.00168 | -.00762 | .04373 | 6.0027 |
| #2 | .00010 | 36.516 | .00993 | .00005 | -.00144 | .00466  | .04338 | 8.7751 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00112 | -.00014 | 31.695 | .00046 | .00453 | 4.2628 | -.00017 | .04353 |
| Stddev | .00001 | .00037  | 8.480  | .00069 | .00171 | 1.0236 | .00008  | .00973 |
| %RSD   | 1.2653 | 270.39  | 26.756 | 150.20 | 37.644 | 24.013 | 51.366  | 22.356 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00113 | .00012  | 25.698 | -.00003 | .00333 | 3.5390 | -.00023 | .03665 |
| #2 | .00111 | -.00040 | 37.691 | .00094  | .00574 | 4.9866 | -.00011 | .05041 |

|        |          |        |         |        |         |        |        |        |
|--------|----------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 11.939 | 5.0679 | -.00657 | .00224 | -.00912 | .0538  | .29229 | 3.3775 |
| Stddev | .396     | 1.2305 | .00025  | .00079 | .00197  | .0010  | .07753 | .0073  |
| %RSD   | 3.3188   | 24.281 | 3.8328  | 35.242 | 21.632  | 1.780  | 26.523 | .21561 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 12.219 | 4.1978 | -.00675 | .00280 | -.01051 | .0531 | .23747 | 3.3827 |
| #2 | 11.659 | 5.9380 | -.00640 | .00168 | -.00772 | .0544 | .34711 | 3.3724 |

Sample Name: J6335-07      Acquired: 12/18/2018 16:03:48      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.2152 |
| Stddev | .2071  |
| %RSD   | 17.041 |

|    |        |
|----|--------|
| #1 | 1.3617 |
| #2 | 1.0688 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3369.8 | 43480. | 4174.3 | 105.98 | 4055.6 |
| Stddev    | 95.5   | 10.    | 1021.2 | 24.96  | 116.4  |
| %RSD      | 2.8326 | .02374 | 24.465 | 23.548 | 2.8703 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3302.3 | 43473. | 4896.4 | 123.63 | 3973.3 |
| #2 | 3437.3 | 43488. | 3452.1 | 88.335 | 4137.9 |

Sample Name: J6335-15      Acquired: 12/18/2018 16:07:51      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00182 | .00108 | -.00125 | -.00162 | .00024 | .16811 | .05243 | .00044 |
| Stddev | .00260 | .00063 | .00124  | .00011  | .00021 | .00067 | .00128 | .00001 |
| %RSD   | 142.72 | 58.298 | 98.812  | 6.8437  | 86.802 | .40025 | 2.4443 | 2.5350 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00002 | .00153 | -.00213 | -.00170 | .00040 | .16763 | .05153 | .00043 |
| #2 | .00366  | .00064 | -.00038 | -.00154 | .00009 | .16859 | .05334 | .00045 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00022 | 5.5599 | .00027 | .00072 | -.00015 | .00486 | .12015 | 1.4905 |
| Stddev | .00005 | .0189  | .00012 | .00001 | .00086  | .00441 | .00207 | .0054  |
| %RSD   | 24.687 | .34013 | 43.867 | 1.7954 | 557.59  | 90.893 | 1.7191 | .36139 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00018 | 5.5466 | .00019 | .00071 | -.00076 | .00173 | .12161 | 1.4944 |
| #2 | .00026 | 5.5733 | .00036 | .00073 | .00045  | .00798 | .11869 | 1.4867 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00490 | .00016 | 34.318 | .00050 | .03733 | .69984 | -.00017 | .01425 |
| Stddev | .00034 | .00084 | .222   | .00044 | .00053 | .00467 | .00010  | .00441 |
| %RSD   | 6.8911 | 513.68 | .64691 | 87.326 | 1.4155 | .66687 | 57.265  | 30.921 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00514 | .00075  | 34.161 | .00081 | .03696 | .70314 | -.00010 | .01114 |
| #2 | .00466 | -.00043 | 34.475 | .00019 | .03770 | .69654 | -.00024 | .01737 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.4205 | 1.9990 | -.00313 | .00245 | -.00667 | -.0015 | .04953 | 3.4228 |
| Stddev | .0828  | .0185  | .00029  | .00143 | .00010  | .0023  | .00040 | .1311  |
| %RSD   | 1.8735 | .92362 | 9.2546  | 58.399 | 1.4346  | 153.7  | .79941 | 3.8287 |

|    |        |        |         |        |         |        |        |        |
|----|--------|--------|---------|--------|---------|--------|--------|--------|
| #1 | 4.3620 | 1.9859 | -.00333 | .00346 | -.00661 | -.0031 | .04925 | 3.5155 |
| #2 | 4.4791 | 2.0120 | -.00292 | .00144 | -.00674 | .0001  | .04981 | 3.3301 |



Sample Name: J6335-15      Acquired: 12/18/2018 16:07:51      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .86362  
Stddev      .03948  
%RSD      4.5716

#1      .89154  
#2      .83570

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3256.5 | 43673. | 3870.1 | 96.749 | 3884.2 |
| Stddev    | 63.1   | 705.   | 34.5   | .798   | 76.9   |
| %RSD      | 1.9379 | 1.6142 | .89077 | .82516 | 1.9802 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3301.2 | 43175. | 3894.4 | 97.314 | 3938.6 |
| #2 | 3211.9 | 44172. | 3845.7 | 96.185 | 3829.8 |

Sample Name: J6335-15DUP      Acquired: 12/18/2018 16:11:53      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00290 | .00208 | -.00201 | .00052 | -.00079 | .16586 | .05543 | .00031 |
| Stddev | .00069  | .00047 | .00026  | .00260 | .00207  | .00131 | .00551 | .00000 |
| %RSD   | 23.811  | 22.707 | 12.979  | 497.46 | 263.58  | .78697 | 9.9320 | 1.0802 |

|    |         |        |         |         |         |        |        |        |
|----|---------|--------|---------|---------|---------|--------|--------|--------|
| #1 | -.00241 | .00242 | -.00182 | .00236  | .00068  | .16493 | .05154 | .00031 |
| #2 | -.00339 | .00175 | -.00219 | -.00131 | -.00225 | .16678 | .05932 | .00031 |

|        |        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00023 | 5.8457 | .00050 | .00083 | -.00080 | -.00635 | .11935 | 1.5194 |
| Stddev | .00005 | .4756  | .00002 | .00021 | .00038  | .00163  | .00010 | .0718  |
| %RSD   | 20.958 | 8.1359 | 4.4238 | 24.781 | 47.500  | 25.681  | .08133 | 4.7266 |

|    |        |        |        |        |         |         |        |        |
|----|--------|--------|--------|--------|---------|---------|--------|--------|
| #1 | .00027 | 5.5094 | .00048 | .00098 | -.00053 | -.00520 | .11942 | 1.4686 |
| #2 | .00020 | 6.1820 | .00051 | .00069 | -.00107 | -.00750 | .11928 | 1.5702 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00547 | .00002 | 36.002 | .00017 | .03934 | .74799 | .00007 | .00692 |
| Stddev | .00035 | .00031 | 2.873  | .00007 | .00307 | .02647 | .00013 | .00680 |
| %RSD   | 6.3452 | 1504.2 | 7.9803 | 42.208 | 7.7956 | 3.5386 | 182.92 | 98.232 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00572 | -.00020 | 33.971 | .00012 | .03717 | .72927 | -.00002 | .00211 |
| #2 | .00523 | .00024  | 38.034 | .00022 | .04151 | .76671 | .00017  | .01173 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.4863 | 2.0887 | -.00359 | .00160 | -.00594 | -.0020 | .05228 | 3.1189 |
| Stddev | .0216  | .1415  | .00043  | .00048 | .00145  | .0020  | .00430 | .2614  |
| %RSD   | .48169 | 6.7729 | 12.027  | 29.668 | 24.395  | 100.5  | 8.2264 | 8.3796 |

|    |        |        |         |        |         |        |        |        |
|----|--------|--------|---------|--------|---------|--------|--------|--------|
| #1 | 4.5016 | 1.9886 | -.00390 | .00194 | -.00696 | -.0006 | .04924 | 2.9341 |
| #2 | 4.4711 | 2.1887 | -.00329 | .00127 | -.00491 | -.0034 | .05532 | 3.3037 |

Sample Name: J6335-15DUP      Acquired: 12/18/2018 16:11:53      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .99683 |
| Stddev | .39996 |
| %RSD   | 40.123 |

|    |        |
|----|--------|
| #1 | 1.2796 |
| #2 | .71402 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3195.5 | 44168. | 3732.1 | 92.576 | 3834.6 |
| Stddev    | 13.7   | 239.   | 253.9  | 6.999  | 21.0   |
| %RSD      | .42789 | .54202 | 6.8028 | 7.5604 | .54701 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3185.8 | 44337. | 3911.6 | 97.525 | 3819.7 |
| #2 | 3205.2 | 43999. | 3552.5 | 87.626 | 3849.4 |

Sample Name: J6335-15LX5      Acquired: 12/18/2018 16:15:56      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00060 | .00092 | .00140 | -.00043 | .00006 | .01393 | .01183 | .00014 |
| Stddev | .00028 | .00054 | .00071 | .00079  | .00064 | .00244 | .00087 | .00007 |
| %RSD   | 46.373 | 59.261 | 50.707 | 182.56  | 1125.4 | 17.496 | 7.3675 | 46.618 |

|    |        |        |        |         |         |        |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|--------|
| #1 | .00080 | .00130 | .00190 | -.00099 | -.00040 | .01220 | .01122 | .00019 |
| #2 | .00040 | .00053 | .00090 | .00013  | .00051  | .01565 | .01245 | .00010 |

|        |         |        |        |        |         |         |        |        |
|--------|---------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00004 | 1.1441 | .00008 | .00012 | -.00142 | -.00459 | .02508 | .27328 |
| Stddev | .00006  | .0000  | .00012 | .00024 | .00055  | .00191  | .00023 | .04197 |
| %RSD   | 139.18  | .00092 | 158.31 | 194.08 | 38.438  | 41.687  | .90731 | 15.360 |

|    |         |        |         |         |         |         |        |        |
|----|---------|--------|---------|---------|---------|---------|--------|--------|
| #1 | -.00008 | 1.1441 | -.00001 | .00029  | -.00103 | -.00594 | .02492 | .24360 |
| #2 | -.00000 | 1.1441 | .00017  | -.00005 | -.00180 | -.00324 | .02524 | .30296 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00121 | -.00012 | 6.8783 | .00069 | .00678 | .15261 | -.00012 | .00547 |
| Stddev | .00038 | .00027  | .0058  | .00033 | .00003 | .01162 | .00025  | .00367 |
| %RSD   | 31.878 | 218.31  | .08477 | 48.665 | .50116 | 7.6155 | 200.43  | 67.144 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00093 | .00007  | 6.8825 | .00092 | .00681 | .16083 | -.00030 | .00806 |
| #2 | .00148 | -.00031 | 6.8742 | .00045 | .00676 | .14439 | .00005  | .00287 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .90736 | .41221 | -.00151 | .00138 | -.00239 | -.0013 | .01032 | 3.8352 |
| Stddev | .01191 | .00621 | .00027  | .00001 | .00219  | .0005  | .00018 | .0947  |
| %RSD   | 1.3124 | 1.5073 | 18.004  | .59835 | 91.292  | 41.19  | 1.7326 | 2.4688 |

|    |        |        |         |        |         |        |        |        |
|----|--------|--------|---------|--------|---------|--------|--------|--------|
| #1 | .91578 | .40781 | -.00171 | .00138 | -.00394 | -.0016 | .01019 | 3.7682 |
| #2 | .89894 | .41660 | -.00132 | .00137 | -.00085 | -.0009 | .01044 | 3.9021 |

Sample Name: J6335-15LX5      Acquired: 12/18/2018 16:15:56      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .38983 |
| Stddev | .14318 |
| %RSD   | 36.729 |

|    |        |
|----|--------|
| #1 | .49107 |
| #2 | .28859 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3107.2 | 42801. | 3833.1 | 97.339 | 3815.6 |
| Stddev    | 10.8   | 233.   | .7     | .247   | 1.5    |
| %RSD      | .34787 | .54350 | .01943 | .25405 | .03915 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3114.9 | 42966. | 3832.6 | 97.514 | 3816.6 |
| #2 | 3099.6 | 42637. | 3833.6 | 97.164 | 3814.5 |

Sample Name: J6335-15MS      Acquired: 12/18/2018 16:20:01      Type: Unk  
Method: P4-ICP2(v2662)      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    | .86953 | 2.0326 | 1.0340 | 2.1856 | .87328 | 2.4169 | .28139 |
| Stddev | .03970 | .1110  | .0637  | .1100  | .04543 | .0158  | .00121 |
| %RSD   | 4.5652 | 5.4588 | 6.1599 | 5.0335 | 5.2019 | .65375 | .43114 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .89760 | 2.1111 | 1.0791 | 2.2634 | .90541 | 2.4057 | .28225 |
| #2 | .84146 | 1.9542 | .98900 | 2.1078 | .84116 | 2.4281 | .28054 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23113 | .20301 | 6.6394 | .45516 | .20814 | .33853 | 3.2334 |
| Stddev | .00119 | .01190 | .0011  | .00288 | .01291 | .01691 | .0077  |
| %RSD   | .51385 | 5.8618 | .01695 | .63170 | 6.2005 | 4.9951 | .23956 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23197 | .21142 | 6.6402 | .45720 | .21726 | .35048 | 3.2389 |
| #2 | .23029 | .19459 | 6.6386 | .45313 | .19901 | .32657 | 3.2279 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .34659 | 3.7175 | .50855 | .07777 | 36.827 | .31885 | .27446 |
| Stddev | .00108 | .0832  | .03038 | .00031 | .100   | .00194 | .00620 |
| %RSD   | .31209 | 2.2391 | 5.9735 | .39747 | .27028 | .60769 | 2.2601 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .34736 | 3.7764 | .53003 | .07799 | 36.897 | .32022 | .27884 |
| #2 | .34583 | 3.6587 | .48707 | .07756 | 36.757 | .31748 | .27007 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.105 | .41280 | .34034 | 4.3100 | 2.9938 | .65609 | .21825 |
| Stddev | .117   | .01971 | .01131 | .2535  | .0296  | .03829 | .00010 |
| %RSD   | .96310 | 4.7753 | 3.3218 | 5.8823 | .98929 | 5.8355 | .04719 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.187 | .42674 | .34834 | 4.4893 | 3.0147 | .68316 | .21833 |
| #2 | 12.022 | .39886 | .33235 | 4.1307 | 2.9728 | .62901 | .21818 |

Sample Name: J6335-15MS      Acquired: 12/18/2018 16:20:01      Type: Unk  
Method: P4-ICP2(v2662)      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    | .21329 | 5.601  | .27325 | 3.5707 | F<.00000 |
| Stddev | .00235 | .334   | .00096 | .0926  | .02093   |
| %RSD   | 1.1038 | 5.962  | .35093 | 2.5935 | 2.0641   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21495 | 5.837 | .27258 | 3.6362 | -.99920 |
| #2 | .21162 | 5.365 | .27393 | 3.5052 | -1.0288 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3282.2 | 43635. | 3891.5 | 97.195 | 3867.4 |
| Stddev    | 136.1  | 2.     | 18.7   | 1.218  | 199.6  |
| %RSD      | 4.1465 | .00409 | .47959 | 1.2531 | 5.1622 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3185.9 | 43634. | 3878.3 | 96.334 | 3726.2 |
| #2 | 3378.4 | 43637. | 3904.7 | 98.056 | 4008.6 |

Sample Name: J6335-15A      Acquired: 12/18/2018 16:27:43      Type: Unk  
Method: P4-ICP2(v2662)      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    | .90196 | 2.0988 | 1.0742 | 2.2621 | .90248 | 2.4130 | .28031 |
| Stddev | .00363 | .0130  | .0038  | .0006  | .00018 | .0470  | .00700 |
| %RSD   | .40269 | .61798 | .35717 | .02661 | .02039 | 1.9468 | 2.4982 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .90453 | 2.0896 | 1.0715 | 2.2626 | .90261 | 2.4462 | .28527 |
| #2 | .89939 | 2.1080 | 1.0769 | 2.2617 | .90235 | 2.3797 | .27536 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23009 | .21124 | 6.6107 | .45215 | .21629 | .35077 | 3.1477 |
| Stddev | .00049 | .00114 | .1113  | .00059 | .00128 | .00234 | .0771  |
| %RSD   | .21178 | .54093 | 1.6835 | .13070 | .59161 | .66668 | 2.4483 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23043 | .21043 | 6.6894 | .45173 | .21538 | .34912 | 3.2022 |
| #2 | .22974 | .21204 | 6.5320 | .45257 | .21719 | .35243 | 3.0932 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .34523 | 3.7487 | .52838 | .07776 | 37.023 | .31810 | .26770 |
| Stddev | .00092 | .0169  | .00466 | .00026 | .901   | .00026 | .00506 |
| %RSD   | .26674 | .45003 | .88288 | .33995 | 2.4347 | .08239 | 1.8918 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .34588 | 3.7606 | .52509 | .07757 | 37.660 | .31828 | .27128 |
| #2 | .34458 | 3.7367 | .53168 | .07794 | 36.386 | .31791 | .26412 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.155 | .42699 | .32384 | 4.4441 | 2.9615 | .68111 | .22037 |
| Stddev | .208   | .00089 | .01127 | .0335  | .0520  | .00378 | .01171 |
| %RSD   | 1.7135 | .20740 | 3.4800 | .75363 | 1.7541 | .55503 | 5.3115 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.302 | .42636 | .33181 | 4.4204 | 2.9982 | .67843 | .22865 |
| #2 | 12.008 | .42762 | .31587 | 4.4677 | 2.9248 | .68378 | .21210 |



Sample Name: J6335-15A      Acquired: 12/18/2018 16:27:43      Type: Unk  
 Method: P4-ICP2(v2662)      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    | .21346 | 5.814  | .27187 | 3.3126 | F<.00000 |
| Stddev | .00554 | .040   | .00692 | .1372  | .00003   |
| %RSD   | 2.5931 | .6958  | 2.5469 | 4.1411 | .00262   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21737 | 5.785 | .27677 | 3.4096 | -1.0119 |
| #2 | .20954 | 5.842 | .26698 | 3.2156 | -1.0119 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3153.9 | 43615. | 3886.6 | 99.557 | 3703.8 |
| Stddev    | 12.8   | 165.   | 68.4   | 1.975  | 5.8    |
| %RSD      | .40426 | .37721 | 1.7590 | 1.9840 | .15788 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3144.9 | 43499. | 3838.2 | 98.161 | 3708.0 |
| #2 | 3162.9 | 43732. | 3934.9 | 100.95 | 3699.7 |

Sample Name: J6235-01      Acquired: 12/18/2018 16:31:34      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00414 | -.00145  | .02377 | -.00252 | .00012 | .11769 | 1.8119 | .00004 |
| Stddev | .00128  | .00017   | .00033 | .00138  | .00003 | .01073 | .0037  | .00005 |
| %RSD   | 30.971  | 11.431   | 1.3699 | 54.936  | 20.598 | 9.1216 | .20246 | 121.64 |
| #1     | -.00505 | -.00157  | .02400 | -.00350 | .00014 | .12528 | 1.8145 | .00001 |
| #2     | -.00323 | -.00134  | .02354 | -.00154 | .00011 | .11010 | 1.8093 | .00008 |
| Elem   | Cd2265  | Ca3736   | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00022 | 134.91   | .00098 | .00106  | .02576 | 16.605 | .21762 | 72.966 |
| Stddev | .00002  | .48      | .00088 | .00013  | .00041 | .265   | .00049 | .575   |
| %RSD   | 8.3158  | .35300   | 89.608 | 12.239  | 1.6076 | 1.5943 | .22404 | .78820 |
| #1     | -.00023 | 134.57   | .00036 | .00115  | .02547 | 16.793 | .21727 | 72.559 |
| #2     | -.00020 | 135.24   | .00161 | .00096  | .02605 | 16.418 | .21796 | 73.373 |
| Elem   | Ni2316  | Ag3280   | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00222  | .00013   | 218.05 | .00147  | .06781 | 88.570 | .00219 | 3.0165 |
| Stddev | .00011  | .00016   | 1.29   | .00062  | .00177 | .041   | .00044 | .0195  |
| %RSD   | 4.8312  | 121.18   | .59060 | 41.997  | 2.6123 | .04607 | 20.184 | .64680 |
| #1     | .00214  | .00024   | 217.14 | .00103  | .06906 | 88.599 | .00251 | 3.0027 |
| #2     | .00230  | .00002   | 218.96 | .00190  | .06655 | 88.542 | .00188 | 3.0303 |
| Elem   | S_1820  | Si2881   | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.3792  | F 27.302 | .00262 | .00094  | .21700 | .4027  | 1.5012 | 5.1408 |
| Stddev | .0090   | .054     | .00076 | .00166  | .00232 | .0005  | .0003  | .0807  |
| %RSD   | .65098  | .19613   | 29.054 | 175.58  | 1.0689 | .1258  | .01713 | 1.5706 |
| #1     | 1.3856  | 27.340   | .00316 | .00212  | .21536 | .4023  | 1.5010 | 5.0837 |
| #2     | 1.3729  | 27.264   | .00208 | -.00023 | .21864 | .4030  | 1.5014 | 5.1979 |

Sample Name: J6235-01      Acquired: 12/18/2018 16:31:34      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      4.4939  
Stddev      .1727  
%RSD      3.8431

#1      4.6161  
#2      4.3718

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2753.0 | 38503. | 3713.1 | 89.542 | 3057.3 |
| Stddev    | 14.2   | 15.    | 16.3   | 2.098  | 11.0   |
| %RSD      | .51536 | .03941 | .43782 | 2.3428 | .35978 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2743.0 | 38514. | 3701.6 | 88.058 | 3049.5 |
| #2 | 2763.0 | 38493. | 3724.6 | 91.025 | 3065.1 |

Sample Name: J6335-15MSD      Acquired: 12/18/2018 16:35:41      Type: Unk  
Method: P4-ICP2(v2662)      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    | .88623 | 2.0813 | 1.0632 | 2.2254 | .82404 | 2.3002 | .27412 | .22325 |
| Stddev | .00431 | .0064  | .0024  | .0123  | .00774 | .0369  | .00101 | .00747 |
| %RSD   | .48677 | .30766 | .22529 | .55044 | .93923 | 1.6049 | .36802 | 3.3470 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .88318 | 2.0767 | 1.0615 | 2.2168 | .81856 | 2.3263 | .27484 | .22854 |
| #2 | .88928 | 2.0858 | 1.0649 | 2.2341 | .82951 | 2.2741 | .27341 | .21797 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20801 | 6.5599 | .43532 | .21372 | .34491 | 3.1435 | .33739 | 3.6932 |
| Stddev | .00037 | .0484  | .01401 | .00035 | .00136 | .0440  | .00962 | .0355  |
| %RSD   | .17612 | .73746 | 3.2174 | .16487 | .39449 | 1.4015 | 2.8516 | .96252 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20775 | 6.5941 | .44522 | .21347 | .34395 | 3.1746 | .34420 | 3.7183 |
| #2 | .20827 | 6.5257 | .42541 | .21397 | .34587 | 3.1123 | .33059 | 3.6680 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .52333 | .07478 | 36.749 | .30924 | .26924 | 11.911 | .39000 | .32209 |
| Stddev | .00200 | .00333 | .218   | .00872 | .00346 | .024   | .00262 | .00333 |
| %RSD   | .38177 | 4.4481 | .59315 | 2.8190 | 1.2835 | .19841 | .67255 | 1.0332 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .52192 | .07713 | 36.903 | .31541 | .27168 | 11.928 | .38814 | .31973 |
| #2 | .52474 | .07242 | 36.595 | .30308 | .26680 | 11.895 | .39185 | .32444 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.5289 | 2.8994 | .62115 | .19522 | .20940 | 5.744  | .26446 | 2.7813 |
| Stddev | .0193  | .0333  | .00374 | .00258 | .00231 | .005   | .00092 | .5016  |
| %RSD   | .42536 | 1.1471 | .60196 | 1.3212 | 1.1022 | .0881  | .34717 | 18.035 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 4.5153 | 2.9229 | .61851 | .19339 | .21103 | 5.741 | .26511 | 3.1360 |
| #2 | 4.5425 | 2.8759 | .62380 | .19704 | .20777 | 5.748 | .26381 | 2.4266 |

Sample Name: J6335-15MSD      Acquired: 12/18/2018 16:35:41      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .20995  
%RSD      31.526

#1      -.51750  
#2      -.81442

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3170.7 | 44758. | 3931.3 | 98.453 | 3712.8 |
| Stddev    | 11.5   | 1106.  | 34.5   | 1.424  | 8.1    |
| %RSD      | .36295 | 2.4705 | .87801 | 1.4466 | .21757 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3178.9 | 43976. | 3906.9 | 97.446 | 3718.5 |
| #2 | 3162.6 | 45540. | 3955.7 | 99.460 | 3707.1 |

Sample Name: CCV05      Acquired: 12/18/2018 16:40:51      Type: Unk  
Method: P4-ICP2(v2662)      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    | 5.2240 | 4.8373 | 5.0439 | 5.0105 | 5.1807 | 10.208 | 9.9785 | .25347 |
| Stddev | .0253  | .0014  | .0043  | .0152  | .0166  | .116   | .1857  | .00003 |
| %RSD   | .48359 | .02832 | .08586 | .30237 | .31972 | 1.1348 | 1.8606 | .01262 |
| #1     | 5.2419 | 4.8383 | 5.0469 | 5.0213 | 5.1925 | 10.126 | 10.110 | .25345 |
| #2     | 5.2061 | 4.8363 | 5.0408 | 4.9998 | 5.1690 | 10.290 | 9.8472 | .25349 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4441 | 25.404 | 1.0058 | 2.4866 | 1.2688 | 4.6669 | 2.5426 | 24.385 |
| Stddev | .0002  | .352   | .0016  | .0043  | .0020  | .0851  | .0006  | .323   |
| %RSD   | .00785 | 1.3870 | .15999 | .17289 | .15638 | 1.8243 | .02390 | 1.3228 |
| #1     | 2.4443 | 25.653 | 1.0047 | 2.4896 | 1.2702 | 4.7271 | 2.5422 | 24.613 |
| #2     | 2.4440 | 25.155 | 1.0070 | 2.4835 | 1.2674 | 4.6067 | 2.5430 | 24.157 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3969 | 1.2257 | 23.595 | 2.3722 | 2.4770 | 24.663 | 4.8993 | 4.8416 |
| Stddev | .0024  | .0017  | .476   | .0008  | .0376  | .460   | .0085  | .0910  |
| %RSD   | .09786 | .14107 | 2.0161 | .03530 | 1.5174 | 1.8655 | .17403 | 1.8788 |
| #1     | 2.3986 | 1.2269 | 23.932 | 2.3728 | 2.5036 | 24.989 | 4.9053 | 4.9060 |
| #2     | 2.3953 | 1.2244 | 23.259 | 2.3716 | 2.4505 | 24.338 | 4.8933 | 4.7773 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6220 | 4.9855 | 4.6674 | 4.9719 | 4.8693 | 4.838  | 5.1552 | 4.5106 |
| Stddev | .0027  | .0892  | .0068  | .0714  | .0940  | .006   | .0819  | .0888  |
| %RSD   | .05903 | 1.7888 | .14620 | 1.4353 | 1.9309 | .1324  | 1.5887 | 1.9686 |
| #1     | 4.6201 | 5.0485 | 4.6723 | 5.0223 | 4.9358 | 4.842  | 5.2131 | 4.4478 |
| #2     | 4.6240 | 4.9224 | 4.6626 | 4.9214 | 4.8028 | 4.833  | 5.0973 | 4.5733 |

Sample Name: CCV05      Acquired: 12/18/2018 16:40:51      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.3134  
Stddev      .1179  
%RSD      5.0966

#1      2.2300  
#2      2.3968

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2948.5 | 41004. | 3817.4 | 93.439 | 3313.2 |
| Stddev    | 21.9   | 16.    | 83.2   | 1.738  | 14.9   |
| %RSD      | .74248 | .03844 | 2.1790 | 1.8600 | .45089 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2933.1 | 41015. | 3758.6 | 92.210 | 3302.6 |
| #2 | 2964.0 | 40993. | 3876.2 | 94.668 | 3323.8 |

Sample Name: CCB05      Acquired: 12/18/2018 16:44:33      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00131 | .00125 | .00205 | .00107 | .00077 | -.01641 | .00168 |
| Stddev | .00036 | .00066 | .00045 | .00456 | .00143 | .01956  | .00116 |
| %RSD   | 27.651 | 52.918 | 21.801 | 424.58 | 185.85 | 119.21  | 68.680 |

|    |        |        |        |         |         |         |        |
|----|--------|--------|--------|---------|---------|---------|--------|
| #1 | .00157 | .00078 | .00174 | -.00215 | .00178  | -.00258 | .00250 |
| #2 | .00106 | .00172 | .00237 | .00430  | -.00024 | -.03024 | .00087 |

|        |        |        |         |        |        |         |         |
|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00006 | .00005 | -.00778 | .00011 | .00002 | -.00204 | -.00254 |
| Stddev | .00001 | .00001 | .02965  | .00016 | .00016 | .00001  | .00419  |
| %RSD   | 13.948 | 24.017 | 380.95  | 143.85 | 683.23 | .35184  | 165.03  |

|    |        |        |         |         |         |         |         |
|----|--------|--------|---------|---------|---------|---------|---------|
| #1 | .00007 | .00006 | .01318  | .00022  | -.00009 | -.00204 | -.00550 |
| #2 | .00006 | .00004 | -.02875 | -.00000 | .00013  | -.00203 | .00042  |

|        |         |        |         |         |         |         |         |
|--------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00004 | .00575 | -.00020 | -.00028 | -.12728 | .00000  | -.00114 |
| Stddev | .00003  | .00624 | .00012  | .00002  | .01102  | .00041  | .00002  |
| %RSD   | 81.251  | 108.67 | 59.727  | 6.5534  | 8.6567  | 222060. | 1.3589  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00007 | .00133 | -.00012 | -.00027 | -.11948 | -.00029 | -.00113 |
| #2 | -.00002 | .01016 | -.00029 | -.00030 | -.13507 | .00029  | -.00115 |

|        |         |         |        |           |        |         |        |
|--------|---------|---------|--------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496 | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm    | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.01514 | -.00004 | .00128 | F -.01029 | .00549 | -.00001 | .00153 |
| Stddev | .01225  | .00013  | .00313 | .00321    | .00037 | .00013  | .00156 |
| %RSD   | 80.941  | 350.94  | 243.60 | 31.203    | 6.8096 | 1315.9  | 102.39 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.02380 | .00005  | .00350  | -.00802 | .00575 | .00008  | .00263 |
| #2 | -.00647 | -.00013 | -.00093 | -.01256 | .00522 | -.00010 | .00042 |



Sample Name: CCB05      Acquired: 12/18/2018 16:44:33      Type: Unk  
 Method: P4-ICP2(v2662)      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    | -.00287 | -.0024 | .00004 | F 3.2521 | F .60555 |
| Stddev | .00011  | .0003  | .00011 | .0031    | .31644   |
| %RSD   | 3.6965  | 12.66  | 269.14 | .09618   | 52.256   |

|    |         |        |         |        |        |
|----|---------|--------|---------|--------|--------|
| #1 | -.00279 | -.0026 | -.00004 | 3.2499 | .82930 |
| #2 | -.00294 | -.0022 | .00012  | 3.2543 | .38179 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3097.6 | 43534. | 3820.9 | 94.304 | 3798.2 |
| Stddev    | 6.6    | 139.   | 31.3   | 1.809  | 10.2   |
| %RSD      | .21399 | .31890 | .81906 | 1.9183 | .26856 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3102.3 | 43436. | 3798.8 | 93.025 | 3805.4 |
| #2 | 3093.0 | 43632. | 3843.1 | 95.583 | 3790.9 |

Sample Name: J6235-01DUP      Acquired: 12/18/2018 16:48:37      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00060 | -.00122  | .02379 | -.00435 | .00014  | .13059 | 1.8679 | .00003  |
| Stddev | .00169  | .00044   | .00095 | .00481  | .00243  | .01476 | .0062  | .00006  |
| %RSD   | 281.56  | 36.300   | 3.9959 | 110.60  | 1733.0  | 11.303 | .33135 | 207.51  |
| #1     | -.00180 | -.00091  | .02312 | -.00095 | -.00158 | .12016 | 1.8635 | -.00001 |
| #2     | .00060  | -.00154  | .02447 | -.00774 | .00186  | .14103 | 1.8723 | .00008  |
| Elem   | Cd2265  | Ca3736   | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00021 | 140.12   | .00084 | .00112  | .02474  | 17.534 | .22356 | 75.082  |
| Stddev | .00006  | .21      | .00006 | .00000  | .00024  | .172   | .00063 | .358    |
| %RSD   | 27.835  | .14709   | 7.0906 | .22728  | .97392  | .97808 | .28197 | .47665  |
| #1     | -.00025 | 139.97   | .00088 | .00112  | .02491  | 17.413 | .22312 | 74.829  |
| #2     | -.00017 | 140.27   | .00080 | .00112  | .02457  | 17.655 | .22401 | 75.335  |
| Elem   | Ni2316  | Ag3280   | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00192  | -.00043  | 223.23 | .00099  | .07156  | 91.507 | .00191 | 3.1177  |
| Stddev | .00039  | .00047   | 3.63   | .00031  | .00009  | .357   | .00017 | .0225   |
| %RSD   | 20.048  | 109.39   | 1.6246 | 31.622  | .12219  | .39047 | 8.7675 | .72021  |
| #1     | .00165  | -.00077  | 225.79 | .00121  | .07162  | 91.254 | .00179 | 3.1018  |
| #2     | .00219  | -.00010  | 220.66 | .00077  | .07150  | 91.760 | .00203 | 3.1336  |
| Elem   | S_1820  | Si2881   | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | 1.3987  | F 28.012 | .00150 | -.00024 | .22755  | .4151  | 1.5581 | 5.2947  |
| Stddev | .0122   | .114     | .00070 | .00128  | .00171  | .0051  | .0020  | .0361   |
| %RSD   | .87244  | .40555   | 46.403 | 523.27  | .75120  | 1.237  | .12813 | .68125  |
| #1     | 1.3900  | 28.092   | .00101 | -.00115 | .22634  | .4115  | 1.5567 | 5.3202  |
| #2     | 1.4073  | 27.931   | .00199 | .00066  | .22876  | .4188  | 1.5595 | 5.2692  |

Sample Name: J6235-01DUP      Acquired: 12/18/2018 16:48:37      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.4550 |
| Stddev | .5872  |
| %RSD   | 13.181 |

|    |        |
|----|--------|
| #1 | 4.0398 |
| #2 | 4.8702 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2752.8 | 38344. | 3703.3 | 87.196 | 3060.0 |
| Stddev    | 20.4   | 9.     | 11.7   | .018   | 28.4   |
| %RSD      | .74283 | .02357 | .31618 | .02027 | .92894 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2767.2 | 38351. | 3695.0 | 87.208 | 3080.1 |
| #2 | 2738.3 | 38338. | 3711.6 | 87.183 | 3039.9 |

Sample Name: J6235-01LX5      Acquired: 12/18/2018 16:52:43      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00145 | -.00026 | .00517 | -.00135 | -.00103 | .00277 | .38969 | .00007 |
| Stddev | .00467 | .00000  | .00002 | .00048  | .00135  | .01155 | .00578 | .00002 |
| %RSD   | 322.95 | 1.7201  | .43595 | 35.789  | 131.27  | 416.93 | 1.4823 | 29.428 |

|    |         |         |        |         |         |         |        |        |
|----|---------|---------|--------|---------|---------|---------|--------|--------|
| #1 | .00475  | -.00027 | .00516 | -.00169 | -.00007 | -.00540 | .38560 | .00009 |
| #2 | -.00186 | -.00026 | .00519 | -.00101 | -.00198 | .01094  | .39377 | .00006 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00027 | 29.480 | .00012 | .00032 | .00313 | 3.5242 | .04657 | 15.571 |
| Stddev | .00000  | .504   | .00036 | .00005 | .00003 | .0333  | .00029 | .325   |
| %RSD   | .81808  | 1.7110 | 296.00 | 15.040 | 1.0630 | .94549 | .61889 | 2.0856 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00027 | 29.123 | .00038  | .00035 | .00311 | 3.5006 | .04677 | 15.341 |
| #2 | -.00027 | 29.837 | -.00013 | .00029 | .00316 | 3.5477 | .04636 | 15.800 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00018 | .00039 | 46.049 | .00057 | .01436 | 18.600 | .00033 | .63759 |
| Stddev | .00039 | .00020 | .707   | .00015 | .00017 | .225   | .00012 | .00911 |
| %RSD   | 222.62 | 52.517 | 1.5355 | 26.776 | 1.1631 | 1.2083 | 35.473 | 1.4288 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00045  | .00053 | 45.549 | .00067 | .01424 | 18.441 | .00024 | .63115 |
| #2 | -.00010 | .00024 | 46.549 | .00046 | .01448 | 18.759 | .00041 | .64404 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25816 | 6.0205 | -.00127 | .00018 | .04383 | .0762  | .32233 | 4.0198 |
| Stddev | .00055 | .0596  | .00037  | .00111 | .00174 | .0002  | .00560 | .0136  |
| %RSD   | .21420 | .99062 | 29.048  | 616.42 | 3.9751 | .2129  | 1.7375 | .33916 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .25855 | 5.9783 | -.00101 | -.00060 | .04260 | .0763 | .31837 | 4.0295 |
| #2 | .25777 | 6.0626 | -.00153 | .00096  | .04507 | .0761 | .32629 | 4.0102 |

Sample Name: J6235-01LX5      Acquired: 12/18/2018 16:52:43      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.5522 |
| Stddev | .0701  |
| %RSD   | 4.5160 |

|    |        |
|----|--------|
| #1 | 1.5027 |
| #2 | 1.6018 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2983.6 | 41445. | 3763.9 | 92.741 | 3456.7 |
| Stddev    | 11.8   | 158.   | 44.6   | .313   | 2.4    |
| %RSD      | .39521 | .38192 | 1.1840 | .33799 | .06847 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2975.3 | 41333. | 3795.4 | 92.963 | 3458.4 |
| #2 | 2992.0 | 41557. | 3732.4 | 92.519 | 3455.1 |

Sample Name: J6235-01MS      Acquired: 12/18/2018 16:56:45      Type: Unk  
Method: P4-ICP2(v2662)      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    | .74761 | 1.6271 | .88789 | 1.7629 | .74251 | 1.9904 | 1.9766 | .18571 |
| Stddev | .00184 | .0035  | .00458 | .0104  | .00023 | .0243  | .0026  | .00020 |
| %RSD   | .24590 | .21439 | .51630 | .59020 | .03141 | 1.2216 | .13247 | .10831 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74891 | 1.6246 | .89113 | 1.7703 | .74267 | 1.9732 | 1.9747 | .18557 |
| #2 | .74631 | 1.6296 | .88465 | 1.7556 | .74234 | 2.0075 | 1.9784 | .18585 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17107 | 135.64 | .36660 | .17955 | .27890 | 19.064 | .39333 | 73.839 |
| Stddev | .00035 | .78    | .00024 | .00076 | .00055 | .521   | .00014 | .238   |
| %RSD   | .20195 | .57239 | .06650 | .42536 | .19611 | 2.7326 | .03517 | .32259 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17131 | 136.19 | .36643 | .18009 | .27928 | 19.433 | .39343 | 73.671 |
| #2 | .17082 | 135.09 | .36677 | .17901 | .27851 | 18.696 | .39324 | 74.007 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .42621 | .06384 | 216.61 | .26436 | .24600 | 96.953 | .35039 | 3.2205 |
| Stddev | .00042 | .00056 | 2.05   | .00080 | .00854 | .116   | .00116 | .0033  |
| %RSD   | .09966 | .88097 | .94832 | .30194 | 3.4724 | .11995 | .33139 | .10378 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .42651 | .06424 | 218.07 | .26379 | .25204 | 96.870 | .35121 | 3.2229 |
| #2 | .42591 | .06344 | 215.16 | .26492 | .23996 | 97.035 | .34957 | 3.2182 |

|        |        |          |        |        |        |        |        |        |
|--------|--------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.3088 | F 27.801 | .56620 | .17652 | .40131 | 5.539  | 1.6748 | 5.3065 |
| Stddev | .0053  | .208     | .00116 | .00241 | .00134 | .014   | .0046  | .0069  |
| %RSD   | .40324 | .74856   | .20469 | 1.3637 | .33423 | .2468  | .27197 | .12944 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 1.3051 | 27.948 | .56538 | .17482 | .40226 | 5.548 | 1.6780 | 5.3017 |
| #2 | 1.3125 | 27.653 | .56702 | .17822 | .40036 | 5.529 | 1.6715 | 5.3114 |

Sample Name: J6235-01MS      Acquired: 12/18/2018 16:56:45      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.5746  
Stddev      .1493  
%RSD      5.7983

#1      2.4690  
#2      2.6801

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2782.0 | 38701. | 3681.3 | 88.185 | 3079.0 |
| Stddev    | 16.0   | 108.   | 23.0   | 3.231  | 14.0   |
| %RSD      | .57533 | .27884 | .62418 | 3.6637 | .45532 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2770.6 | 38777. | 3665.1 | 85.900 | 3069.1 |
| #2 | 2793.3 | 38625. | 3697.6 | 90.469 | 3088.9 |

Sample Name: J6235-01MSD      Acquired: 12/18/2018 17:00:41      Type: Unk  
Method: P4-ICP2(v2662)      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    | .74150 | 1.6159   | .87884 | 1.7470 | .73931 | 1.9967 | 1.9604 | .18456 |
| Stddev | .00165 | .0114    | .00547 | .0125  | .00195 | .0199  | .0020  | .00025 |
| %RSD   | .22258 | .70382   | .62240 | .71569 | .26382 | .99594 | .10204 | .13521 |
| #1     | .74033 | 1.6079   | .87498 | 1.7381 | .73793 | 2.0108 | 1.9618 | .18474 |
| #2     | .74267 | 1.6240   | .88271 | 1.7558 | .74069 | 1.9826 | 1.9590 | .18438 |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .16984 | 134.14   | .36505 | .17833 | .27761 | 19.212 | .39228 | 73.260 |
| Stddev | .00086 | .44      | .00098 | .00156 | .00209 | .730   | .00047 | .362   |
| %RSD   | .50477 | .32475   | .26761 | .87415 | .75398 | 3.7977 | .12074 | .49413 |
| #1     | .16923 | 133.83   | .36436 | .17723 | .27613 | 19.728 | .39262 | 73.004 |
| #2     | .17045 | 134.44   | .36574 | .17943 | .27909 | 18.696 | .39195 | 73.516 |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .42289 | .06413   | 216.25 | .26685 | .24784 | 95.997 | .34786 | 3.2011 |
| Stddev | .00238 | .00026   | 1.58   | .00096 | .00746 | .189   | .00141 | .0097  |
| %RSD   | .56236 | .40207   | .73036 | .35998 | 3.0080 | .19678 | .40438 | .30151 |
| #1     | .42121 | .06395   | 215.13 | .26618 | .25311 | 95.863 | .34686 | 3.2079 |
| #2     | .42457 | .06431   | 217.37 | .26753 | .24257 | 96.130 | .34885 | 3.1943 |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.2927 | F 27.602 | .56589 | .17345 | .39497 | 5.493  | 1.6553 | 5.2150 |
| Stddev | .0014  | .102     | .00319 | .00153 | .00137 | .034   | .0019  | .0616  |
| %RSD   | .11223 | .36842   | .56440 | .88411 | .34601 | .6162  | .11532 | 1.1815 |
| #1     | 1.2917 | 27.530   | .56363 | .17454 | .39594 | 5.469  | 1.6540 | 5.1714 |
| #2     | 1.2937 | 27.674   | .56815 | .17237 | .39401 | 5.517  | 1.6567 | 5.2586 |



Sample Name: J6235-01MSD      Acquired: 12/18/2018 17:00:41      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.8961 |
| Stddev | .1975  |
| %RSD   | 5.0696 |

|    |        |
|----|--------|
| #1 | 4.0358 |
| #2 | 3.7564 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2788.1 | 38726. | 3687.9 | 87.028 | 3085.3 |
| Stddev    | 5.6    | 72.    | 2.8    | 2.944  | 9.8    |
| %RSD      | .20205 | .18658 | .07600 | 3.3828 | .31872 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2792.1 | 38675. | 3689.9 | 84.947 | 3092.3 |
| #2 | 2784.1 | 38777. | 3685.9 | 89.110 | 3078.4 |

Sample Name: J6235-01A      Acquired: 12/18/2018 17:04:37      Type: Unk  
Method: P4-ICP2(v2662)      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    | .74511 | 1.6299 | .88254 | 1.7630 | .74398 | 1.9769 | 1.9681 | .18226 |
| Stddev | .00414 | .0023  | .00015 | .0094  | .00044 | .0492  | .0067  | .00400 |
| %RSD   | .55570 | .14293 | .01653 | .53335 | .05905 | 2.4882 | .33821 | 2.1964 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74219 | 1.6316 | .88264 | 1.7697 | .74429 | 2.0116 | 1.9634 | .18509 |
| #2 | .74804 | 1.6283 | .88243 | 1.7564 | .74367 | 1.9421 | 1.9728 | .17943 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17083 | 135.71 | .36111 | .17908 | .27943 | 18.934 | .38708 | 73.224 |
| Stddev | .00024 | .96    | .00528 | .00011 | .00052 | .187   | .00588 | .386   |
| %RSD   | .14010 | .70952 | 1.4625 | .05874 | .18435 | .98820 | 1.5197 | .52757 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17100 | 135.03 | .36484 | .17901 | .27979 | 19.066 | .39124 | 72.951 |
| #2 | .17066 | 136.39 | .35737 | .17915 | .27907 | 18.802 | .38292 | 73.498 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .42601 | .06158 | 216.01 | .26122 | .24355 | 96.612 | .35066 | 3.1967 |
| Stddev | .00027 | .00130 | 2.45   | .00417 | .00306 | .452   | .00095 | .0171  |
| %RSD   | .06331 | 2.1085 | 1.1330 | 1.5978 | 1.2562 | .46786 | .27183 | .53391 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .42621 | .06250 | 214.28 | .26417 | .24572 | 96.292 | .35133 | 3.1846 |
| #2 | .42582 | .06066 | 217.74 | .25827 | .24139 | 96.932 | .34998 | 3.2088 |

|        |        |          |        |        |        |        |        |        |
|--------|--------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.3196 | F 27.654 | .56990 | .17255 | .39825 | 5.543  | 1.6740 | 5.2120 |
| Stddev | .0102  | .003     | .00091 | .00151 | .00083 | .017   | .0050  | .1451  |
| %RSD   | .77190 | .00934   | .15913 | .87652 | .20755 | .3043  | .29996 | 2.7845 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 1.3268 | 27.652 | .57054 | .17362 | .39766 | 5.555 | 1.6704 | 5.3146 |
| #2 | 1.3124 | 27.656 | .56925 | .17148 | .39883 | 5.531 | 1.6775 | 5.1094 |

Sample Name: J6235-01A      Acquired: 12/18/2018 17:04:37      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.7805 |
| Stddev | .3926  |
| %RSD   | 14.119 |

|    |        |
|----|--------|
| #1 | 2.5029 |
| #2 | 3.0581 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2776.4 | 39261. | 3690.7 | 88.465 | 3073.1 |
| Stddev    | 13.9   | 623.   | 4.8    | 1.705  | 17.9   |
| %RSD      | .50107 | 1.5873 | .13019 | 1.9278 | .58410 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2766.6 | 38820. | 3694.1 | 87.259 | 3060.5 |
| #2 | 2786.3 | 39701. | 3687.3 | 89.671 | 3085.8 |

Sample Name: PB115808BL      Acquired: 12/18/2018 17:08:32      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00000 | .00015 | -.00089 | -.00057 | .00138 | -.01849 | .00099 |
| Stddev | .00011 | .00036 | .00060  | .00172  | .00065 | .01030  | .00100 |
| %RSD   | 3249.0 | 239.72 | 66.930  | 302.78  | 47.397 | 55.711  | 101.02 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | .00008  | -.00010 | -.00047 | -.00179 | .00184 | -.01121 | .00028 |
| #2 | -.00008 | .00040  | -.00132 | .00065  | .00092 | -.02578 | .00169 |

|        |        |         |         |         |        |         |         |
|--------|--------|---------|---------|---------|--------|---------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00002 | -.00004 | -.01611 | -.00017 | .00005 | -.00158 | -.00303 |
| Stddev | .00005 | .00006  | .01043  | .00036  | .00001 | .00006  | .00113  |
| %RSD   | 247.61 | 130.14  | 64.782  | 208.01  | 30.755 | 4.0953  | 37.202  |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.00001 | -.00000 | -.02349 | .00008  | .00004 | -.00162 | -.00223 |
| #2 | .00005  | -.00008 | -.00873 | -.00043 | .00006 | -.00153 | -.00383 |

|        |         |        |         |        |         |        |         |
|--------|---------|--------|---------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00007 | .02426 | -.00020 | .00028 | -.06940 | .00007 | -.00153 |
| Stddev | .00005  | .06062 | .00007  | .00057 | .01051  | .00013 | .00003  |
| %RSD   | 65.963  | 249.94 | 32.313  | 200.59 | 15.144  | 190.82 | 2.0417  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00004 | .06712  | -.00016 | -.00012 | -.07683 | .00016  | -.00151 |
| #2 | -.00010 | -.01861 | -.00025 | .00068  | -.06197 | -.00002 | -.00155 |

|        |        |         |        |           |        |         |        |
|--------|--------|---------|--------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm       | ppm    | ppm     | ppm    |
| Avg    | .05151 | -.00001 | .00249 | F -.01038 | .00492 | -.00135 | .00156 |
| Stddev | .00920 | .00000  | .00513 | .00009    | .00133 | .00075  | .00182 |
| %RSD   | 17.869 | 4.4757  | 206.14 | .84065    | 27.154 | 55.670  | 116.60 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .04500 | -.00001 | .00612  | -.01044 | .00397 | -.00188 | .00027 |
| #2 | .05802 | -.00001 | -.00114 | -.01032 | .00586 | -.00082 | .00285 |

Sample Name: PB115808BL      Acquired: 12/18/2018 17:08:32      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00236 | -.0016 | .00005 | F 3.3432 | F .65676 |
| Stddev | .00139  | .0010  | .00015 | .0454    | .45636   |
| %RSD   | 58.870  | 59.36  | 271.13 | 1.3586   | 69.487   |

|    |         |        |         |        |        |
|----|---------|--------|---------|--------|--------|
| #1 | -.00334 | -.0010 | .00016  | 3.3110 | .97946 |
| #2 | -.00138 | -.0023 | -.00005 | 3.3753 | .33407 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3110.8 | 43344. | 3849.3 | 94.050 | 3808.4 |
| Stddev    | 1.5    | 247.   | 4.3    | 1.509  | 6.2    |
| %RSD      | .04935 | .56904 | .11156 | 1.6039 | .16336 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3111.9 | 43519. | 3852.3 | 95.117 | 3812.8 |
| #2 | 3109.7 | 43170. | 3846.2 | 92.983 | 3804.0 |

Sample Name: PB115808BS      Acquired: 12/18/2018 17:12:37      Type: Unk  
Method: P4-ICP2(v2662)      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    | .76060 | 1.7936 | .92499 | 1.8002 | .76625 | 1.8994 | .20479 |
| Stddev | .00912 | .0157  | .00684 | .0118  | .00118 | .0417  | .00198 |
| %RSD   | 1.1990 | .87755 | .73959 | .65741 | .15434 | 2.1945 | .96762 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75415 | 1.7825 | .92015 | 1.7918 | .76709 | 1.8699 | .20338 |
| #2 | .76704 | 1.8047 | .92983 | 1.8085 | .76542 | 1.9289 | .20619 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18401 | .17583 | 1.0375 | .39984 | .19046 | .30050 | 2.8668 |
| Stddev | .00005 | .00124 | .0106  | .00162 | .00159 | .00202 | .0131  |
| %RSD   | .02852 | .70511 | 1.0171 | .40631 | .83287 | .67207 | .45603 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18397 | .17495 | 1.0450 | .39869 | .18934 | .29907 | 2.8761 |
| #2 | .18404 | .17670 | 1.0301 | .40099 | .19159 | .30193 | 2.8576 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20480 | 2.0208 | .45535 | .06676 | 2.7874 | .28180 | .19604 |
| Stddev | .00038 | .0106  | .00351 | .00061 | .0238  | .00108 | .00372 |
| %RSD   | .18393 | .52245 | .77163 | .91764 | .85537 | .38425 | 1.8961 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20506 | 2.0133 | .45287 | .06633 | 2.7706 | .28257 | .19867 |
| #2 | .20453 | 2.0283 | .45783 | .06719 | 2.8043 | .28104 | .19341 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 9.8139 | .37673 | .28040 | F -.01496 | .89086 | .57082 | .19157 |
| Stddev | .0068  | .00195 | .01291 | .00061    | .00616 | .00120 | .00107 |
| %RSD   | .06919 | .51766 | 4.6035 | 4.0490    | .69136 | .21042 | .55613 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.8091 | .37535 | .28953 | -.01539 | .89522 | .56997 | .19232 |
| #2 | 9.8187 | .37811 | .27127 | -.01453 | .88651 | .57167 | .19081 |

Sample Name: PB115808BS      Acquired: 12/18/2018 17:12:37      Type: Unk  
 Method: P4-ICP2(v2662)      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    | .19149 | F 4.712 | .20174 | F 3.2985 | F<.00000 |
| Stddev | .00007 | .020    | .00059 | .0435    | .10361   |
| %RSD   | .03576 | .4321   | .29394 | 1.3176   | 6.4334   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .19154 | 4.697 | .20216 | 3.2677 | -1.6838 |
| #2 | .19144 | 4.726 | .20132 | 3.3292 | -1.5373 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3079.0 | 43709. | 3816.9 | 93.721 | 3721.0 |
| Stddev    | 7.3    | 38.    | 13.5   | 1.998  | 13.1   |
| %RSD      | .23564 | .08582 | .35367 | 2.1314 | .35118 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3084.1 | 43736. | 3807.4 | 92.308 | 3730.2 |
| #2 | 3073.9 | 43683. | 3826.5 | 95.133 | 3711.7 |

Sample Name: PB115808TB      Acquired: 12/18/2018 17:16:29      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00372 | -.00047 | -.00032 | .00143 | .00050 | -.00862 | .00099 | -.00004 |
| Stddev | .00012  | .00251  | .00037  | .00229 | .00026 | .00357  | .00061 | .00003  |
| %RSD   | 3.1609  | 529.45  | 113.85  | 160.27 | 52.257 | 41.371  | 61.722 | 65.964  |

|    |         |         |         |         |        |         |        |         |
|----|---------|---------|---------|---------|--------|---------|--------|---------|
| #1 | -.00363 | .00130  | -.00058 | .00305  | .00032 | -.01115 | .00142 | -.00002 |
| #2 | -.00380 | -.00225 | -.00006 | -.00019 | .00069 | -.00610 | .00056 | -.00006 |

|        |         |        |        |         |         |        |         |        |
|--------|---------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00003 | .00185 | .00067 | -.00053 | -.00214 | .00045 | -.00006 | .03322 |
| Stddev | .00006  | .00665 | .00009 | .00023  | .00040  | .00865 | .00004  | .00032 |
| %RSD   | 223.26  | 359.34 | 14.241 | 43.329  | 18.529  | 1933.3 | 67.780  | .96701 |

|    |         |         |        |         |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|---------|--------|
| #1 | .00002  | -.00285 | .00060 | -.00069 | -.00242 | .00656  | -.00009 | .03344 |
| #2 | -.00007 | .00655  | .00073 | -.00037 | -.00186 | -.00567 | -.00003 | .03299 |

|        |        |        |          |        |         |        |        |        |
|--------|--------|--------|----------|--------|---------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00385 | .00413 | F 496.86 | .00021 | -.00040 | .07839 | .00001 | .00673 |
| Stddev | .00005 | .00060 | 5.25     | .00025 | .00002  | .00860 | .00002 | .00099 |
| %RSD   | 1.1900 | 14.480 | 1.0576   | 118.00 | 4.7757  | 10.967 | 274.04 | 14.652 |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00382 | .00456 | 500.57 | .00039 | -.00038 | .07231 | .00003  | .00604 |
| #2 | .00389 | .00371 | 493.14 | .00004 | -.00041 | .08447 | -.00001 | .00743 |

|        |         |        |         |        |         |        |        |          |
|--------|---------|--------|---------|--------|---------|--------|--------|----------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670   |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | -.00643 | .01023 | -.00117 | .00102 | -.00267 | -.0026 | .00004 | F 4.8332 |
| Stddev | .00162  | .00093 | .00059  | .00128 | .00180  | .0004  | .00013 | .0117    |
| %RSD   | 25.199  | 9.1173 | 50.493  | 125.44 | 67.456  | 13.56  | 339.61 | .24185   |

|    |         |        |         |        |         |        |         |        |
|----|---------|--------|---------|--------|---------|--------|---------|--------|
| #1 | -.00529 | .01089 | -.00159 | .00012 | -.00395 | -.0023 | -.00005 | 4.8415 |
| #2 | -.00758 | .00957 | -.00075 | .00193 | -.00140 | -.0028 | .00013  | 4.8249 |



Sample Name: PB115808TB      Acquired: 12/18/2018 17:16:29      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.9880  
Stddev      .1323  
%RSD      6.6529

#1      1.8945  
#2      2.0815

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2865.2 | 39487. | 3753.5 | 92.117 | 3199.7 |
| Stddev    | 3.2    | 62.    | 36.2   | .813   | 8.7    |
| %RSD      | .11077 | .15717 | .96463 | .88276 | .27065 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2862.9 | 39531. | 3727.9 | 91.542 | 3193.6 |
| #2 | 2867.4 | 39443. | 3779.1 | 92.692 | 3205.9 |

Sample Name: PB115804BL      Acquired: 12/18/2018 17:20:40      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00273 | .00133 | -.00102 | -.00203 | .00052 | -.00446 | .00057 |
| Stddev | .00056  | .00013 | .00031  | .00096  | .00134 | .01132  | .00011 |
| %RSD   | 20.567  | 9.7216 | 30.408  | 47.232  | 256.77 | 253.83  | 20.017 |

|    |         |        |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|--------|
| #1 | -.00233 | .00142 | -.00124 | -.00270 | -.00043 | -.01247 | .00049 |
| #2 | -.00313 | .00123 | -.00080 | -.00135 | .00147  | .00355  | .00065 |

|        |        |        |         |         |         |         |         |
|--------|--------|--------|---------|---------|---------|---------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00005 | .00002 | -.00077 | -.00028 | -.00009 | -.00205 | -.00626 |
| Stddev | .00007 | .00003 | .01483  | .00040  | .00022  | .00037  | .00586  |
| %RSD   | 134.98 | 129.11 | 1924.5  | 143.38  | 248.25  | 17.929  | 93.627  |

|    |        |        |         |         |         |         |         |
|----|--------|--------|---------|---------|---------|---------|---------|
| #1 | .00010 | .00000 | .00972  | -.00056 | .00007  | -.00231 | -.00212 |
| #2 | .00000 | .00004 | -.01126 | .00000  | -.00024 | -.00179 | -.01041 |

|        |         |         |        |        |         |        |         |
|--------|---------|---------|--------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00007 | -.00780 | .00000 | .00042 | -.01448 | .00022 | -.00169 |
| Stddev | .00003  | .00765  | .00037 | .00016 | .00503  | .00054 | .00001  |
| %RSD   | 45.360  | 98.053  | 24113. | 37.763 | 34.731  | 251.13 | .32196  |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00010 | -.00239 | .00026  | .00031 | -.01092 | .00060  | -.00169 |
| #2 | -.00005 | -.01321 | -.00026 | .00054 | -.01803 | -.00017 | -.00170 |

|        |        |         |         |           |        |         |        |
|--------|--------|---------|---------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | .05559 | -.00010 | -.00479 | F -.01185 | .00216 | -.00170 | .00105 |
| Stddev | .05419 | .00003  | .00712  | .00068    | .00054 | .00008  | .00020 |
| %RSD   | 97.487 | 24.757  | 148.64  | 5.7447    | 24.954 | 4.8799  | 18.683 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .01727 | -.00009 | .00024  | -.01137 | .00178 | -.00176 | .00119 |
| #2 | .09391 | -.00012 | -.00983 | -.01234 | .00254 | -.00164 | .00091 |

Sample Name: PB115804BL      Acquired: 12/18/2018 17:20:40      Type: Unk  
 Method: P4-ICP2(v2662)      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    | -.00229 | -.0020 | .00003 | F 3.2830 | F .57669 |
| Stddev | .00007  | .0001  | .00003 | .0167    | .17575   |
| %RSD   | 2.9769  | 4.545  | 101.13 | .50780   | 30.476   |

|    |         |        |        |        |        |
|----|---------|--------|--------|--------|--------|
| #1 | -.00224 | -.0019 | .00001 | 3.2947 | .70097 |
| #2 | -.00233 | -.0020 | .00005 | 3.2712 | .45241 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3122.0 | 43732. | 3854.2 | 98.004 | 3822.4 |
| Stddev    | 3.5    | 130.   | 8.0    | 1.055  | 7.2    |
| %RSD      | .11320 | .29829 | .20665 | 1.0762 | .18709 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3124.5 | 43640. | 3859.8 | 97.258 | 3827.4 |
| #2 | 3119.5 | 43825. | 3848.6 | 98.750 | 3817.3 |

Sample Name: PB115804BS      Acquired: 12/18/2018 17:24:45      Type: Unk  
Method: P4-ICP2(v2662)      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    | .71428 | 1.6891 | .87580 | 1.6862 | .72347 | 1.8034 | .19310 |
| Stddev | .00737 | .0113  | .00699 | .0267  | .00473 | .0038  | .00103 |
| %RSD   | 1.0315 | .66685 | .79829 | 1.5805 | .65372 | .21121 | .53121 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .71949 | 1.6971 | .88075 | 1.7050 | .72681 | 1.8007 | .19237 |
| #2 | .70907 | 1.6811 | .87086 | 1.6673 | .72012 | 1.8061 | .19382 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17262 | .16563 | .99009 | .38048 | .17899 | .28409 | 2.6329 |
| Stddev | .00005 | .00121 | .01071 | .00132 | .00173 | .00273 | .1048  |
| %RSD   | .02981 | .73333 | 1.0818 | .34634 | .96510 | .96024 | 3.9790 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17258 | .16649 | .98251 | .38141 | .18021 | .28602 | 2.5589 |
| #2 | .17265 | .16477 | .99766 | .37955 | .17777 | .28216 | 2.7070 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19451 | 1.8673 | .42938 | .06167 | 2.6144 | .26440 | .18247 |
| Stddev | .00022 | .0555  | .00385 | .00098 | .0292  | .00089 | .00323 |
| %RSD   | .11492 | 2.9709 | .89643 | 1.5842 | 1.1179 | .33817 | 1.7698 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19466 | 1.8281 | .43210 | .06236 | 2.5938 | .26503 | .18019 |
| #2 | .19435 | 1.9066 | .42666 | .06098 | 2.6351 | .26377 | .18475 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.2521 | .35436 | .25184 | -.00926 | .83642 | .54085 | .17999 |
| Stddev | .0450  | .00250 | .01372 | .00471  | .00029 | .00553 | .00257 |
| %RSD   | .48612 | .70435 | 5.4483 | 50.818  | .03441 | 1.0231 | 1.4289 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.2203 | .35612 | .26154 | -.01259 | .83663 | .54476 | .17817 |
| #2 | 9.2839 | .35259 | .24214 | -.00593 | .83622 | .53693 | .18181 |

Sample Name: PB115804BS      Acquired: 12/18/2018 17:24:45      Type: Unk  
 Method: P4-ICP2(v2662)      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    | .18024 | 4.438  | .19098 | 3.5914 | F<.00000 |
| Stddev | .00072 | .041   | .00177 | .0790  | .37638   |
| %RSD   | .39918 | .9341  | .92610 | 2.1983 | 22.530   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .17973 | 4.467 | .18973 | 3.6472 | -1.9367 |
| #2 | .18075 | 4.408 | .19223 | 3.5356 | -1.4044 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3078.5 | 43520. | 3805.1 | 96.304 | 3719.1 |
| Stddev    | 23.2   | 156.   | 6.2    | 1.750  | 26.7   |
| %RSD      | .75468 | .35938 | .16176 | 1.8173 | .71794 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3062.0 | 43409. | 3809.5 | 97.542 | 3700.2 |
| #2 | 3094.9 | 43630. | 3800.8 | 95.067 | 3738.0 |

Sample Name: CCV06      Acquired: 12/18/2018 17:28:37      Type: Unk  
Method: P4-ICP2(v2662)      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    | 5.2624 | 4.8295 | 5.0838 | 5.0055 | 5.1951 | 10.183 | 10.138 | .25435 |
| Stddev | .0078  | .0079  | .0036  | .0005  | .0135  | .030   | .026   | .00003 |
| %RSD   | .14767 | .16309 | .07106 | .00943 | .26029 | .29897 | .26003 | .01352 |
| #1     | 5.2569 | 4.8351 | 5.0812 | 5.0058 | 5.2047 | 10.205 | 10.156 | .25432 |
| #2     | 5.2679 | 4.8240 | 5.0863 | 5.0052 | 5.1855 | 10.162 | 10.119 | .25437 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4545 | 26.091 | 1.0217 | 2.4960 | 1.2734 | 4.8131 | 2.5648 | 24.627 |
| Stddev | .0008  | .027   | .0055  | .0000  | .0024  | .0538  | .0068  | .169   |
| %RSD   | .03327 | .10518 | .53314 | .00070 | .18897 | 1.1183 | .26536 | .68554 |
| #1     | 2.4551 | 26.111 | 1.0255 | 2.4960 | 1.2751 | 4.8512 | 2.5696 | 24.507 |
| #2     | 2.4539 | 26.072 | 1.0178 | 2.4960 | 1.2717 | 4.7751 | 2.5600 | 24.746 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4034 | 1.2257 | 23.882 | 2.3667 | 2.6575 | 25.114 | 4.8959 | 4.8629 |
| Stddev | .0032  | .0020  | .076   | .0038  | .0597  | .145   | .0097  | .0213  |
| %RSD   | .13175 | .16297 | .31955 | .15882 | 2.2445 | .57714 | .19847 | .43714 |
| #1     | 2.4057 | 1.2271 | 23.936 | 2.3694 | 2.6996 | 25.216 | 4.9028 | 4.8478 |
| #2     | 2.4012 | 1.2242 | 23.828 | 2.3640 | 2.6153 | 25.011 | 4.8891 | 4.8779 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6267 | 5.1205 | 4.6802 | 5.0120 | 4.9286 | 4.853  | 5.2748 | 4.7742 |
| Stddev | .0127  | .0161  | .0019  | .0102  | .0143  | .003   | .0103  | .1258  |
| %RSD   | .27400 | .31460 | .04042 | .20368 | .28937 | .0636  | .19589 | 2.6355 |
| #1     | 4.6357 | 5.1092 | 4.6815 | 5.0192 | 4.9387 | 4.855  | 5.2821 | 4.8632 |
| #2     | 4.6177 | 5.1319 | 4.6788 | 5.0047 | 4.9186 | 4.850  | 5.2675 | 4.6852 |

Sample Name: CCV06      Acquired: 12/18/2018 17:28:37      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.0249  
Stddev      .4263  
%RSD      14.094

#1      2.7234  
#2      3.3263

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2970.9 | 41135. | 3761.9 | 90.351 | 3343.9 |
| Stddev    | 4.0    | 207.   | 6.6    | 2.006  | 2.1    |
| %RSD      | .13583 | .50234 | .17555 | 2.2204 | .06370 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2968.1 | 40989. | 3757.3 | 88.933 | 3342.4 |
| #2 | 2973.8 | 41281. | 3766.6 | 91.770 | 3345.4 |

Sample Name: CCB06      Acquired: 12/18/2018 17:32:24      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00035 | .00138 | -.00044 | -.00366 | .00087 | -.02023 | .00130 | .00003 |
| Stddev | .00120 | .00030 | .00062  | .00001  | .00161 | .00625  | .00043 | .00005 |
| %RSD   | 346.22 | 21.548 | 142.01  | .23621  | 185.33 | 30.913  | 33.341 | 147.05 |

|    |         |        |         |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|---------|--------|---------|
| #1 | -.00050 | .00117 | .00000  | -.00365 | .00201  | -.01580 | .00099 | -.00000 |
| #2 | .00120  | .00159 | -.00088 | -.00366 | -.00027 | -.02465 | .00161 | .00006  |

|        |         |         |         |         |         |        |         |         |
|--------|---------|---------|---------|---------|---------|--------|---------|---------|
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00004 | -.02011 | -.00015 | -.00018 | -.00150 | .01320 | -.00007 | -.01010 |
| Stddev | .00003  | .01683  | .00030  | .00017  | .00031  | .00071 | .00005  | .02619  |
| %RSD   | 62.856  | 83.692  | 208.37  | 94.392  | 20.973  | 5.3748 | 62.525  | 259.25  |

|    |         |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.00006 | -.00821 | .00007  | -.00030 | -.00127 | .01370 | -.00011 | .00842  |
| #2 | -.00002 | -.03200 | -.00036 | -.00006 | -.00172 | .01270 | -.00004 | -.02863 |

|        |         |        |         |        |         |         |        |        |
|--------|---------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00031 | .00041 | -.12297 | .00023 | -.00149 | -.02899 | .00011 | .00210 |
| Stddev | .00010  | .00014 | .00427  | .00028 | .00000  | .00949  | .00037 | .00376 |
| %RSD   | 32.998  | 34.757 | 3.4689  | 125.75 | .08292  | 32.738  | 327.35 | 178.88 |

|    |         |        |         |        |         |         |         |         |
|----|---------|--------|---------|--------|---------|---------|---------|---------|
| #1 | -.00024 | .00031 | -.12599 | .00003 | -.00149 | -.03571 | -.00015 | .00477  |
| #2 | -.00038 | .00051 | -.11995 | .00043 | -.00149 | -.02228 | .00037  | -.00056 |

|        |         |        |         |        |         |        |        |          |
|--------|---------|--------|---------|--------|---------|--------|--------|----------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670   |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | -.00860 | .00701 | -.00042 | .00429 | -.00321 | -.0023 | .00004 | F 3.6998 |
| Stddev | .00068  | .00267 | .00040  | .00102 | .00150  | .0009  | .00000 | .1178    |
| %RSD   | 7.8715  | 38.051 | 95.671  | 23.793 | 46.858  | 39.91  | .14116 | 3.1837   |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | -.00908 | .00890 | -.00071 | .00357 | -.00214 | -.0017 | .00004 | 3.6165 |
| #2 | -.00812 | .00513 | -.00014 | .00501 | -.00427 | -.0029 | .00004 | 3.7831 |



Sample Name: CCB06      Acquired: 12/18/2018 17:32:24      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .57359 |
| Stddev | .02841   |
| %RSD   | 4.9524   |

|    |        |
|----|--------|
| #1 | .59368 |
| #2 | .55350 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3094.5 | 43296. | 3789.3 | 96.213 | 3784.1 |
| Stddev    | 9.3    | 52.    | 16.4   | 1.456  | 1.6    |
| %RSD      | .29973 | .12013 | .43208 | 1.5128 | .04192 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3088.0 | 43333. | 3800.9 | 95.183 | 3785.2 |
| #2 | 3101.1 | 43259. | 3777.7 | 97.242 | 3783.0 |

Sample Name: PB115809BL      Acquired: 12/18/2018 17:36:29      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00183 | .00107  | -.00017 | -.00158 | .00026  | -.00908 | .00127  | .00008   |
| Stddev | .00103  | .00064  | .00045  | .00187  | .00203  | .00385  | .00044  | .00004   |
| %RSD   | 56.464  | 59.951  | 261.19  | 118.10  | 771.29  | 42.420  | 34.840  | 47.707   |
| #1     | -.00256 | .00152  | .00015  | -.00290 | -.00117 | -.00635 | .00159  | .00005   |
| #2     | -.00110 | .00062  | -.00049 | -.00026 | .00170  | -.01180 | .00096  | .00011   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00005 | -.00931 | .00001  | .00000  | -.00234 | .00462  | -.00007 | .04199   |
| Stddev | .00003  | .00694  | .00012  | .00004  | .00058  | .00065  | .00004  | .00755   |
| %RSD   | 58.831  | 74.486  | 2298.7  | 933.75  | 24.657  | 14.005  | 58.139  | 17.984   |
| #1     | -.00008 | -.00441 | -.00008 | -.00002 | -.00275 | .00416  | -.00010 | .04733   |
| #2     | -.00003 | -.01422 | .00009  | .00003  | -.00194 | .00507  | -.00004 | .03665   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00050 | .00010  | -.13617 | .00025  | -.00170 | -.02167 | -.00009 | .00214   |
| Stddev | .00021  | .00019  | .00456  | .00052  | .00007  | .00996  | .00002  | .00301   |
| %RSD   | 41.978  | 192.58  | 3.3517  | 210.49  | 3.8631  | 45.958  | 25.993  | 140.62   |
| #1     | -.00035 | .00024  | -.13294 | .00061  | -.00165 | -.01463 | -.00010 | .00001   |
| #2     | -.00065 | -.00004 | -.13940 | -.00012 | -.00174 | -.02871 | -.00007 | .00427   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00823 | .00311  | -.00135 | .00324  | -.00340 | -.0020  | -.00004 | F 3.3141 |
| Stddev | .00066  | .00071  | .00032  | .00164  | .00146  | .0008   | .00007  | .1699    |
| %RSD   | 8.0087  | 22.960  | 23.378  | 50.635  | 43.099  | 41.84   | 175.32  | 5.1256   |
| #1     | -.00776 | .00362  | -.00113 | .00440  | -.00443 | -.0026  | .00001  | 3.1940   |
| #2     | -.00869 | .00261  | -.00158 | .00208  | -.00236 | -.0014  | -.00008 | 3.4343   |

Sample Name: PB115809BL      Acquired: 12/18/2018 17:36:29      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .41747  
Stddev      .12961  
%RSD      31.047

#1      .32582  
#2      .50912

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3084.0 | 43404. | 3791.8 | 92.683 | 3794.5 |
| Stddev    | .3     | 119.   | 38.1   | .012   | 8.1    |
| %RSD      | .00981 | .27351 | 1.0047 | .01272 | .21477 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3084.2 | 43488. | 3764.9 | 92.675 | 3800.3 |
| #2 | 3083.8 | 43320. | 3818.8 | 92.692 | 3788.7 |

Sample Name: PB115809BS      Acquired: 12/18/2018 17:40:34      Type: Unk  
Method: P4-ICP2(v2662)      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    | .70958 | 1.6835 | .86728 | 1.6725 | .71877 | 1.7851 | .19155 |
| Stddev | .00426 | .0007  | .00105 | .0067  | .00130 | .0028  | .00115 |
| %RSD   | .59998 | .04070 | .12059 | .40313 | .18049 | .15583 | .59881 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .71259 | 1.6830 | .86654 | 1.6677 | .71785 | 1.7831 | .19073 |
| #2 | .70657 | 1.6840 | .86802 | 1.6773 | .71969 | 1.7870 | .19236 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17261 | .16470 | .99314 | .37785 | .17815 | .28120 | 2.6689 |
| Stddev | .00045 | .00067 | .01069 | .00095 | .00042 | .00063 | .0202  |
| %RSD   | .25970 | .40884 | 1.0767 | .25181 | .23614 | .22229 | .75826 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17292 | .16422 | 1.0007 | .37852 | .17786 | .28076 | 2.6546 |
| #2 | .17229 | .16517 | .98558 | .37718 | .17845 | .28164 | 2.6833 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19352 | 1.8505 | .42792 | .06154 | 2.5582 | .26508 | .18355 |
| Stddev | .00010 | .0345  | .00136 | .00084 | .0160  | .00172 | .00158 |
| %RSD   | .05146 | 1.8617 | .31731 | 1.3637 | .62596 | .64929 | .86176 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19345 | 1.8262 | .42888 | .06213 | 2.5469 | .26630 | .18467 |
| #2 | .19359 | 1.8749 | .42696 | .06095 | 2.5695 | .26387 | .18243 |

|        |        |        |        |           |        |          |        |
|--------|--------|--------|--------|-----------|--------|----------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899   | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm      | ppm    |
| Avg    | 9.1732 | .35239 | .25535 | F -.00897 | .83229 | F .53732 | .17938 |
| Stddev | .1123  | .00018 | .00285 | .00232    | .00145 | .00165   | .00147 |
| %RSD   | 1.2238 | .05230 | 1.1150 | 25.864    | .17427 | .30641   | .82219 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.0939 | .35252 | .25334 | -.01060 | .83126 | .53616 | .17834 |
| #2 | 9.2526 | .35226 | .25736 | -.00733 | .83331 | .53849 | .18042 |

Sample Name: PB115809BS      Acquired: 12/18/2018 17:40:34      Type: Unk  
Method: P4-ICP2(v2662)      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    | .17663 | F 4.401 | .18771 | F 3.4663 | F<.00000 |
| Stddev | .00626 | .006    | .00170 | .1788    | .21841   |
| %RSD   | 3.5426 | .1435   | .90819 | 5.1575   | 17.633   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .17221 | 4.397 | .18651 | 3.5927 | -1.3930 |
| #2 | .18106 | 4.406 | .18892 | 3.3399 | -1.0842 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3091.1 | 43554. | 3820.3 | 95.446 | 3737.8 |
| Stddev    | .6     | 314.   | 12.8   | 1.019  | .0     |
| %RSD      | .02018 | .71999 | .33577 | 1.0681 | .00071 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3090.7 | 43333. | 3811.2 | 94.725 | 3737.7 |
| #2 | 3091.6 | 43776. | 3829.4 | 96.167 | 3737.8 |

Sample Name: PB115809TB      Acquired: 12/18/2018 17:44:26      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00088 | .00112  | -.00069 | .00026  | .00167  | -.01703 | .00191  | .00008   |
| Stddev | .00034  | .00044  | .00040  | .00110  | .00094  | .00509  | .00114  | .00003   |
| %RSD   | 38.452  | 39.184  | 58.268  | 418.33  | 56.194  | 29.885  | 59.922  | 41.372   |
| #1     | -.00064 | .00081  | -.00098 | -.00051 | .00101  | -.01343 | .00271  | .00006   |
| #2     | -.00112 | .00143  | -.00041 | .00104  | .00234  | -.02063 | .00110  | .00010   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00008 | -.01787 | .00026  | -.00009 | -.00170 | .00555  | -.00012 | .00637   |
| Stddev | .00002  | .00622  | .00024  | .00000  | .00065  | .00476  | .00000  | .02827   |
| %RSD   | 20.639  | 34.793  | 91.038  | 5.7136  | 38.279  | 85.761  | .42824  | 443.82   |
| #1     | -.00007 | -.01347 | .00009  | -.00009 | -.00216 | .00891  | -.00012 | -.01362  |
| #2     | -.00009 | -.02226 | .00043  | -.00008 | -.00124 | .00218  | -.00012 | .02636   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00003  | -.00000 | -.13993 | -.00007 | -.00172 | -.03463 | -.00005 | .00839   |
| Stddev | .00011  | .00011  | .00461  | .00030  | .00001  | .02459  | .00013  | .00474   |
| %RSD   | 421.41  | 3541.6  | 3.2926  | 443.28  | .43814  | 71.005  | 241.26  | 56.520   |
| #1     | -.00005 | -.00008 | -.14319 | .00014  | -.00173 | -.01724 | .00004  | .00503   |
| #2     | .00010  | .00007  | -.13667 | -.00028 | -.00172 | -.05202 | -.00014 | .01174   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.01129 | .00448  | -.00085 | .00317  | -.00496 | -.0017  | .00002  | F 3.6182 |
| Stddev | .00167  | .00449  | .00017  | .00237  | .00036  | .0004   | .00006  | .0923    |
| %RSD   | 14.818  | 100.28  | 20.614  | 74.524  | 7.1558  | 25.93   | 360.13  | 2.5508   |
| #1     | -.01010 | .00765  | -.00097 | .00150  | -.00521 | -.0020  | .00006  | 3.6835   |
| #2     | -.01247 | .00130  | -.00072 | .00485  | -.00471 | -.0014  | -.00002 | 3.5530   |

Sample Name: PB115809TB      Acquired: 12/18/2018 17:44:26      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .79234 |
| Stddev | .23665   |
| %RSD   | 29.867   |

|    |        |
|----|--------|
| #1 | .95968 |
| #2 | .62501 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3100.6 | 43326. | 3808.6 | 94.058 | 3808.9 |
| Stddev    | .3     | 189.   | 9.4    | 2.204  | .6     |
| %RSD      | .01110 | .43518 | .24786 | 2.3430 | .01687 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3100.9 | 43192. | 3801.9 | 92.500 | 3809.3 |
| #2 | 3100.4 | 43459. | 3815.3 | 95.617 | 3808.4 |

Sample Name: J6363-01DUP      Acquired: 12/18/2018 17:52:32      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00106 | .00057 | -.00042 | -.00203 | -.00081 | -.00899 | .01797 | .00008 |
| Stddev | .00300 | .00038 | .00018  | .00039  | .00042  | .01318  | .00045 | .00004 |
| %RSD   | 281.60 | 66.973 | 41.423  | 19.262  | 51.322  | 146.55  | 2.4883 | 55.801 |

|    |         |        |         |         |         |         |        |        |
|----|---------|--------|---------|---------|---------|---------|--------|--------|
| #1 | -.00106 | .00030 | -.00055 | -.00175 | -.00052 | -.01831 | .01828 | .00011 |
| #2 | .00318  | .00084 | -.00030 | -.00230 | -.00111 | .00033  | .01765 | .00005 |

|        |         |        |         |         |         |        |        |        |
|--------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00008 | 28.177 | -.00042 | -.00012 | -.00155 | .03515 | .00282 | 11.541 |
| Stddev | .00003  | .157   | .00003  | .00011  | .00015  | .00894 | .00004 | .053   |
| %RSD   | 33.146  | .55792 | 6.9117  | 92.357  | 9.7649  | 25.422 | 1.3557 | .45901 |

|    |         |        |         |         |         |        |        |        |
|----|---------|--------|---------|---------|---------|--------|--------|--------|
| #1 | -.00010 | 28.288 | -.00044 | -.00004 | -.00145 | .02883 | .00285 | 11.579 |
| #2 | -.00006 | 28.066 | -.00040 | -.00020 | -.00166 | .04147 | .00279 | 11.504 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00074 | .00001 | 71.138 | .00075 | -.00136 | 3.3591 | .00021 | .03509 |
| Stddev | .00007  | .00027 | .334   | .00035 | .00005  | .0267  | .00030 | .00157 |
| %RSD   | 9.4301  | 2992.1 | .46961 | 46.194 | 3.9402  | .79507 | 141.66 | 4.4836 |

|    |         |         |        |        |         |        |         |        |
|----|---------|---------|--------|--------|---------|--------|---------|--------|
| #1 | -.00069 | -.00018 | 71.375 | .00099 | -.00140 | 3.3780 | .00043  | .03398 |
| #2 | -.00079 | .00020  | 70.902 | .00050 | -.00132 | 3.3402 | -.00000 | .03620 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.1105 | 2.7167 | -.00376 | .00072 | -.00487 | .0256  | .15433 | 3.7483 |
| Stddev | .1715  | .0196  | .00087  | .00047 | .00026  | .0001  | .00077 | .0479  |
| %RSD   | 2.4116 | .72278 | 23.076  | 65.683 | 5.4295  | .4939  | .50123 | 1.2781 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 7.2318 | 2.7306 | -.00438 | .00038 | -.00468 | .0255 | .15488 | 3.7144 |
| #2 | 6.9893 | 2.7028 | -.00315 | .00105 | -.00506 | .0257 | .15379 | 3.7822 |



Sample Name: J6363-01DUP      Acquired: 12/18/2018 17:52:32      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.7412  
 Stddev      .2542  
 %RSD      14.598

#1      1.9210  
 #2      1.5615

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3043.9 | 42826. | 3899.2 | 98.283 | 3589.9 |
| Stddev    | 56.3   | 62.    | 27.0   | 1.163  | 66.7   |
| %RSD      | 1.8482 | .14382 | .69120 | 1.1831 | 1.8583 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3004.1 | 42782. | 3880.2 | 97.461 | 3542.7 |
| #2 | 3083.7 | 42869. | 3918.3 | 99.105 | 3637.0 |

Sample Name: J6363-01LX5      Acquired: 12/18/2018 17:56:34      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00129 | -.00087 | -.00099 | -.00187 | .00014 | -.00472 | .00462 | .00008 |
| Stddev | .00016 | .00004  | .00026  | .00152  | .00045 | .00962  | .00106 | .00001 |
| %RSD   | 12.052 | 4.2783  | 26.438  | 81.628  | 329.83 | 203.98  | 22.838 | 8.5560 |

|    |        |         |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|---------|--------|--------|
| #1 | .00141 | -.00085 | -.00117 | -.00079 | .00045  | .00209  | .00388 | .00008 |
| #2 | .00118 | -.00090 | -.00080 | -.00294 | -.00018 | -.01152 | .00537 | .00007 |

|        |         |        |         |         |         |        |        |        |
|--------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00008 | 5.6148 | -.00016 | -.00016 | -.00185 | .01261 | .00048 | 2.2569 |
| Stddev | .00005  | .1169  | .00010  | .00025  | .00013  | .00439 | .00005 | .0447  |
| %RSD   | 62.940  | 2.0819 | 61.190  | 157.66  | 7.0403  | 34.771 | 10.871 | 1.9815 |

|    |         |        |         |         |         |        |        |        |
|----|---------|--------|---------|---------|---------|--------|--------|--------|
| #1 | -.00005 | 5.5321 | -.00023 | -.00034 | -.00194 | .00951 | .00052 | 2.2252 |
| #2 | -.00012 | 5.6974 | -.00009 | .00002  | -.00176 | .01571 | .00044 | 2.2885 |

|        |         |         |        |         |         |        |         |        |
|--------|---------|---------|--------|---------|---------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00003 | -.00005 | 13.924 | -.00000 | -.00157 | .62277 | -.00026 | .01640 |
| Stddev | .00003  | .00027  | .315   | .00061  | .00005  | .00389 | .00013  | .00758 |
| %RSD   | 96.605  | 582.47  | 2.2634 | 21279.  | 3.4496  | .62517 | 50.926  | 46.233 |

|    |         |         |        |         |         |        |         |        |
|----|---------|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.00004 | -.00024 | 13.702 | -.00044 | -.00153 | .62552 | -.00035 | .01104 |
| #2 | -.00001 | .00014  | 14.147 | .00043  | -.00160 | .62001 | -.00016 | .02176 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.2646 | .54986 | -.00214 | .00315 | -.00338 | .0027  | .03119 | 3.7140 |
| Stddev | .0162  | .01432 | .00001  | .00065 | .00192  | .0004  | .00074 | .0288  |
| %RSD   | 1.2785 | 2.6041 | .52618  | 20.680 | 56.993  | 16.26  | 2.3873 | .77637 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 1.2531 | .53973 | -.00214 | .00269 | -.00474 | .0030 | .03066 | 3.6936 |
| #2 | 1.2760 | .55998 | -.00213 | .00361 | -.00202 | .0024 | .03171 | 3.7344 |

Sample Name: J6363-01LX5      Acquired: 12/18/2018 17:56:34      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .99344 |
| Stddev | .28661 |
| %RSD   | 28.851 |

|    |        |
|----|--------|
| #1 | 1.1961 |
| #2 | .79077 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3079.9 | 43281. | 3745.3 | 95.838 | 3754.0 |
| Stddev    | 41.6   | 12.    | 71.6   | 1.151  | 34.5   |
| %RSD      | 1.3518 | .02754 | 1.9125 | 1.2007 | .92001 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3109.3 | 43273. | 3796.0 | 96.651 | 3778.5 |
| #2 | 3050.4 | 43290. | 3694.7 | 95.024 | 3729.6 |

Sample Name: J6363-01MS      Acquired: 12/18/2018 18:00:39      Type: Unk  
Method: P4-ICP2(v2662)      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    | .77752 | 1.7485 | .91445 | 1.8550 | .78375 | 1.9015 | .23077 | .19270 | .17703 |
| Stddev | .00090 | .0026  | .00116 | .0015  | .00021 | .0788  | .02163 | .00382 | .00054 |
| %RSD   | .11613 | .14863 | .12637 | .08037 | .02706 | 4.1462 | 9.3750 | 1.9847 | .30237 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77689 | 1.7467 | .91527 | 1.8539 | .78360 | 1.9573 | .24607 | .19541 | .17741 |
| #2 | .77816 | 1.7503 | .91363 | 1.8560 | .78390 | 1.8458 | .21547 | .19000 | .17666 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 31.400 | .38422 | .18362 | .28944 | 2.9590 | .19587 | 14.169 | .44054 | .06138 |
| Stddev | 3.018  | .00797 | .00047 | .00073 | .3825  | .00408 | 1.250  | .00100 | .00241 |
| %RSD   | 9.6121 | 2.0731 | .25426 | .25262 | 12.928 | 2.0848 | 8.8200 | .22687 | 3.9296 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 33.534 | .38986 | .18395 | .28996 | 3.2295 | .19875 | 15.052 | .44125 | .06309 |
| #2 | 29.266 | .37859 | .18329 | .28892 | 2.6885 | .19298 | 13.285 | .43984 | .05968 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 78.635 | .27190 | .21124 | 14.161 | .37232 | .32647 | 6.6866 | 3.8491 | .58605 |
| Stddev | 7.543  | .00316 | .02464 | 1.358  | .00079 | .04277 | .0048  | .3172  | .00141 |
| %RSD   | 9.5925 | 1.1634 | 11.663 | 9.5861 | .21128 | 13.102 | .07187 | 8.2410 | .24140 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 83.969 | .27414 | .22866 | 15.121 | .37177 | .35671 | 6.6832 | 4.0734 | .58705 |
| #2 | 73.301 | .26966 | .19381 | 13.201 | .37288 | .29622 | 6.6900 | 3.6248 | .58505 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20475 | .19758 | 5.092  | .37160 | 3.8982 | .37226 |
| Stddev | .01888 | .02304 | .004   | .03505 | .3757  | .18373 |
| %RSD   | 9.2216 | 11.662 | .0718  | 9.4310 | 9.6383 | 49.357 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .21810 | .21387 | 5.089 | .39638 | 4.1639 | .50218 |
| #2 | .19140 | .18129 | 5.094 | .34682 | 3.6325 | .24234 |

Sample Name: J6363-01MS      Acquired: 12/18/2018 18:00:39      Type: Unk  
Method: P4-ICP2(v2662)      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       | 3063.5 | 42767. | 3547.2 | 89.650 | 3584.3 |
| Stddev    | 1.5    | 733.   | 293.9  | 9.826  | 4.4    |
| %RSD      | .04740 | 1.7133 | 8.2861 | 10.960 | .12357 |
| #1        | 3064.5 | 42249. | 3339.3 | 82.702 | 3587.4 |
| #2        | 3062.5 | 43285. | 3755.0 | 96.598 | 3581.2 |

Sample Name: J6363-01MSD      Acquired: 12/18/2018 18:04:29      Type: Unk  
Method: P4-ICP2(v2662)      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    | .77775 | 1.7496 | .91166 | 1.8512 | .78452 | 1.9368 | .21239 | .19912 |
| Stddev | .00188 | .0013  | .00345 | .0023  | .00130 | .0490  | .00529 | .00589 |
| %RSD   | .24222 | .07589 | .37849 | .12587 | .16606 | 2.5277 | 2.4909 | 2.9600 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77642 | 1.7486 | .91410 | 1.8495 | .78545 | 1.9714 | .20865 | .20329 |
| #2 | .77909 | 1.7505 | .90922 | 1.8528 | .78360 | 1.9022 | .21613 | .19496 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17707 | 28.569 | .39624 | .18349 | .28996 | 2.6980 | .20241 | 13.199 |
| Stddev | .00004 | .715   | .01241 | .00032 | .00100 | .0154  | .00587 | .274   |
| %RSD   | .02387 | 2.5044 | 3.1317 | .17676 | .34322 | .56881 | 2.8998 | 2.0794 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17704 | 28.063 | .40501 | .18372 | .29067 | 2.6871 | .20656 | 13.005 |
| #2 | .17710 | 29.075 | .38746 | .18327 | .28926 | 2.7088 | .19826 | 13.393 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .44116 | .06425 | 72.827 | .28009 | .19595 | 13.061 | .37308 | .29573 |
| Stddev | .00192 | .00173 | 1.608  | .00951 | .00014 | .287   | .00056 | .01206 |
| %RSD   | .43571 | 2.6999 | 2.2079 | 3.3963 | .07180 | 2.2005 | .15025 | 4.0785 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .44252 | .06548 | 71.691 | .28682 | .19605 | 12.857 | .37268 | .28720 |
| #2 | .43980 | .06302 | 73.964 | .27336 | .19585 | 13.264 | .37348 | .30426 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.7146 | 3.5505 | .58725 | .18962 | .18206 | 5.086  | .33991 | 4.3354 |
| Stddev | .0104  | .0493  | .00092 | .00304 | .00758 | .012   | .00861 | .3685  |
| %RSD   | .15459 | 1.3873 | .15676 | 1.6006 | 4.1616 | .2277  | 2.5330 | 8.5002 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 6.7072 | 3.5157 | .58790 | .18748 | .17671 | 5.095 | .33382 | 4.5960 |
| #2 | 6.7219 | 3.5854 | .58660 | .19177 | .18742 | 5.078 | .34599 | 4.0748 |

Sample Name: J6363-01MSD      Acquired: 12/18/2018 18:04:29      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .21912  
%RSD      65.350

#1      -.18037  
#2      -.49025

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3051.9 | 41508. | 3793.5 | 95.411 | 3563.8 |
| Stddev    | 5.8    | 1092.  | 68.5   | .172   | 11.3   |
| %RSD      | .19133 | 2.6301 | 1.8066 | .18032 | .31609 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3047.7 | 40736. | 3842.0 | 95.289 | 3555.9 |
| #2 | 3056.0 | 42279. | 3745.1 | 95.533 | 3571.8 |

Sample Name: J6363-01A      Acquired: 12/18/2018 18:08:20      Type: Unk  
Method: P4-ICP2(v2662)      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    | .77983 | 1.7394 | .91005 | 1.8546 | .78770 | 1.8751 | .21125 | .19462 |
| Stddev | .00728 | .0035  | .00134 | .0148  | .00519 | .0188  | .00355 | .00036 |
| %RSD   | .93312 | .20093 | .14681 | .79650 | .65944 | 1.0030 | 1.6820 | .18456 |
| #1     | .77468 | 1.7370 | .90910 | 1.8442 | .78403 | 1.8884 | .21376 | .19487 |
| #2     | .78497 | 1.7419 | .91099 | 1.8651 | .79138 | 1.8618 | .20874 | .19436 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17638 | 28.221 | .38399 | .18348 | .29056 | 2.7210 | .19685 | 13.076 |
| Stddev | .00012 | .026   | .00318 | .00028 | .00130 | .0153  | .00118 | .070   |
| %RSD   | .06810 | .09247 | .82876 | .15061 | .44753 | .56300 | .59778 | .53815 |
| #1     | .17647 | 28.239 | .38624 | .18368 | .28964 | 2.7318 | .19768 | 13.126 |
| #2     | .17630 | 28.202 | .38174 | .18329 | .29148 | 2.7102 | .19602 | 13.026 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .44016 | .06101 | 71.980 | .27356 | .19573 | 12.998 | .37416 | .29705 |
| Stddev | .00014 | .00063 | .966   | .00111 | .00487 | .110   | .00268 | .00871 |
| %RSD   | .03266 | 1.0246 | 1.3426 | .40618 | 2.4899 | .84678 | .71585 | 2.9324 |
| #1     | .44026 | .06057 | 72.663 | .27434 | .19918 | 13.076 | .37226 | .30321 |
| #2     | .44006 | .06145 | 71.296 | .27277 | .19229 | 12.920 | .37605 | .29089 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.6841 | 3.5425 | .58470 | .18759 | .17751 | 5.082  | .33514 | 3.8784 |
| Stddev | .0144  | .0421  | .00078 | .00054 | .00071 | .003   | .00361 | .0888  |
| %RSD   | .21582 | 1.1879 | .13404 | .28992 | .40182 | .0527  | 1.0780 | 2.2896 |
| #1     | 6.6943 | 3.5722 | .58525 | .18797 | .17801 | 5.080  | .33769 | 3.9412 |
| #2     | 6.6739 | 3.5127 | .58414 | .18720 | .17701 | 5.084  | .33258 | 3.8156 |



Sample Name: J6363-01A      Acquired: 12/18/2018 18:08:20      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .07970  
%RSD      39.208

#1      -.25963  
#2      -.14692

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3046.4 | 42435. | 3813.4 | 95.782 | 3580.9 |
| Stddev    | 18.7   | 108.   | 48.2   | 2.421  | 5.4    |
| %RSD      | .61229 | .25502 | 1.2633 | 2.5278 | .15067 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3059.6 | 42359. | 3779.3 | 94.070 | 3577.1 |
| #2 | 3033.3 | 42512. | 3847.4 | 97.494 | 3584.7 |

Sample Name: J6438-14      Acquired: 12/18/2018 18:12:09      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-3      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |         |         |         |
|--------|----------|---------|---------|---------|---------|---------|---------|---------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.01934  | -.01498 | -.12647 | -.21163 | .02733  | -.19011 | .41615  | .00285  |
| Stddev | .00571   | .00266  | .00068  | .00229  | .00204  | .01062  | .00318  | .00018  |
| %RSD   | 29.545   | 17.755  | .53602  | 1.0844  | 7.4628  | 5.5883  | .76418  | 6.3631  |
| #1     | -.02338  | -.01686 | -.12599 | -.21000 | .02589  | -.18260 | .41840  | .00298  |
| #2     | -.01530  | -.01310 | -.12695 | -.21325 | .02878  | -.19762 | .41390  | .00273  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00340  | 263.94  | -.04053 | -.00008 | -.26994 | 860.98  | 7.1330  | 27.523  |
| Stddev | .00097   | .82     | .00059  | .00018  | .00205  | 11.00   | .2478   | .024    |
| %RSD   | 28.397   | .30967  | 1.4667  | 237.53  | .76071  | 1.2777  | 3.4747  | .08749  |
| #1     | -.00272  | 264.52  | -.04095 | -.00021 | -.27140 | 868.76  | 7.3083  | 27.540  |
| #2     | -.00408  | 263.36  | -.04011 | .00005  | -.26849 | 853.20  | 6.9578  | 27.506  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.02350  | -.02245 | 504.58  | .00213  | .16543  | 22.582  | -.00762 | -.05872 |
| Stddev | .00042   | .00607  | 2.04    | .00034  | .00154  | .223    | .00011  | .04130  |
| %RSD   | 1.8050   | 27.027  | .40386  | 15.865  | .93088  | .98527  | 1.4476  | 70.332  |
| #1     | -.02320  | -.02674 | 506.02  | .00189  | .16652  | 22.740  | -.00754 | -.02952 |
| #2     | -.02380  | -.01816 | 503.14  | .00236  | .16434  | 22.425  | -.00770 | -.08793 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | F 13.504 | 2.7559  | -.00216 | -.00516 | .00996  | .2552   | .84645  | 1.1540  |
| Stddev | .289     | .0261   | .00095  | .00030  | .00006  | .0030   | .00339  | .6878   |
| %RSD   | 2.1378   | .94734  | 44.025  | 5.7418  | .57315  | 1.170   | .40034  | 59.602  |
| #1     | 13.708   | 2.7743  | -.00149 | -.00537 | .01000  | .2573   | .84405  | 1.6403  |
| #2     | 13.300   | 2.7374  | -.00283 | -.00495 | .00992  | .2531   | .84885  | .66763  |

Sample Name: J6438-14      Acquired: 12/18/2018 18:12:09      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMP-3      Custom ID2:      Custom ID3:  
 Comment:

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

#1      ^ ----  
 #2      ^ ----

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2630.4 | 35597. | 3645.3 | 81.008 | 2753.5 |
| Stddev    | 39.3   | 1893.  | 8.7    | .809   | 52.8   |
| %RSD      | 1.4930 | 5.3186 | .23918 | .99860 | 1.9159 |
| #1        | 2602.6 | 34258. | 3639.2 | 80.436 | 2716.2 |
| #2        | 2658.2 | 36935. | 3651.5 | 81.580 | 2790.8 |

Sample Name: J6363-01      Acquired: 12/18/2018 18:16:19      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00019 | .00003 | -.00095 | -.00261 | -.00033 | -.00943 | .01690 | .00004 |
| Stddev | .00038  | .00149 | .00001  | .00261  | .00006  | .00550  | .00059 | .00000 |
| %RSD   | 197.30  | 4828.5 | 1.5360  | 99.921  | 17.260  | 58.289  | 3.4650 | 7.9981 |

|    |         |         |         |         |         |         |        |        |
|----|---------|---------|---------|---------|---------|---------|--------|--------|
| #1 | -.00046 | -.00102 | -.00096 | -.00077 | -.00037 | -.01332 | .01731 | .00003 |
| #2 | .00008  | .00109  | -.00094 | -.00445 | -.00029 | -.00554 | .01649 | .00004 |

|        |         |        |        |         |         |        |        |        |
|--------|---------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00006 | 27.217 | .00026 | -.00006 | -.00131 | .05299 | .00280 | 10.998 |
| Stddev | .00003  | .289   | .00029 | .00003  | .00037  | .00162 | .00002 | .101   |
| %RSD   | 40.551  | 1.0608 | 112.45 | 56.152  | 28.624  | 3.0638 | .74876 | .91425 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | -.00008 | 27.421 | .00047 | -.00008 | -.00104 | .05184 | .00278 | 11.069 |
| #2 | -.00005 | 27.013 | .00005 | -.00003 | -.00157 | .05414 | .00281 | 10.927 |

|        |         |         |        |        |         |        |         |        |
|--------|---------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00069 | -.00025 | 68.938 | .00063 | -.00128 | 3.2879 | -.00001 | .02657 |
| Stddev | .00059  | .00016  | .858   | .00012 | .00012  | .0193  | .00013  | .00384 |
| %RSD   | 84.974  | 66.577  | 1.2441 | 19.619 | 9.0935  | .58828 | 2188.0  | 14.436 |

|    |         |         |        |        |         |        |         |        |
|----|---------|---------|--------|--------|---------|--------|---------|--------|
| #1 | -.00028 | -.00036 | 69.545 | .00072 | -.00120 | 3.3015 | -.00010 | .02928 |
| #2 | -.00111 | -.00013 | 68.332 | .00054 | -.00136 | 3.2742 | .00009  | .02386 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.4209 | 2.5907 | -.00455 | .00113 | -.00531 | .0241  | .14936 | 3.7164 |
| Stddev | .1918  | .0448  | .00018  | .00098 | .00103  | .0018  | .00168 | .1162  |
| %RSD   | 2.9865 | 1.7296 | 3.8487  | 86.598 | 19.309  | 7.645  | 1.1234 | 3.1275 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 6.2853 | 2.6224 | -.00467 | .00044 | -.00604 | .0228 | .15055 | 3.7986 |
| #2 | 6.5565 | 2.5591 | -.00443 | .00183 | -.00459 | .0254 | .14818 | 3.6342 |

Sample Name: J6363-01      Acquired: 12/18/2018 18:16:19      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.5497  
Stddev      .2884  
%RSD      18.613

#1      1.3458  
#2      1.7537

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3152.2 | 43028. | 3867.0 | 96.550 | 3720.7 |
| Stddev    | 69.8   | 134.   | 57.3   | 2.798  | 83.0   |
| %RSD      | 2.2139 | .31166 | 1.4816 | 2.8981 | 2.2307 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3201.5 | 42933. | 3826.5 | 94.571 | 3779.4 |
| #2 | 3102.8 | 43123. | 3907.5 | 98.529 | 3662.0 |

Sample Name: CCV07      Acquired: 12/18/2018 18:20:21      Type: Unk  
Method: P4-ICP2(v2662)      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    | 5.1721 | 4.7613 | 4.9954 | 4.9137 | 5.1136 | 9.9377 | 9.9083 | .25162   |
| Stddev | .0279  | .0010  | .0027  | .0231  | .0289  | .0969  | .0115  | .00166   |
| %RSD   | .53939 | .02047 | .05350 | .47053 | .56603 | .97538 | .11603 | .66063   |
| #1     | 5.1524 | 4.7620 | 4.9935 | 4.8974 | 5.0932 | 9.8692 | 9.9001 | .25044   |
| #2     | 5.1919 | 4.7606 | 4.9973 | 4.9301 | 5.1341 | 10.006 | 9.9164 | .25279   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4182 | 25.557 | 1.0026 | 2.4573 | 1.2527 | 4.6559 | 2.5273 | 24.134   |
| Stddev | .0009  | .020   | .0066  | .0014  | .0081  | .0316  | .0207  | .061     |
| %RSD   | .03756 | .07806 | .65522 | .05479 | .64406 | .67827 | .81702 | .25113   |
| #1     | 2.4176 | 25.542 | .99799 | 2.4564 | 1.2470 | 4.6782 | 2.5127 | 24.177   |
| #2     | 2.4188 | 25.571 | 1.0073 | 2.4583 | 1.2584 | 4.6335 | 2.5419 | 24.091   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3686 | 1.2129 | 23.527 | 2.3466 | 2.5842 | 24.698 | 4.8294 | 4.7649   |
| Stddev | .0006  | .0095  | .050   | .0193  | .0087  | .043   | .0217  | .0149    |
| %RSD   | .02745 | .78266 | .21269 | .82215 | .33541 | .17487 | .44994 | .31201   |
| #1     | 2.3690 | 1.2062 | 23.491 | 2.3330 | 2.5903 | 24.667 | 4.8140 | 4.7544   |
| #2     | 2.3681 | 1.2196 | 23.562 | 2.3603 | 2.5781 | 24.728 | 4.8447 | 4.7755   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.5328 | 4.9963 | 4.6107 | 4.9299 | 4.8445 | 4.760  | 5.1629 | F 4.3965 |
| Stddev | .0009  | .0224  | .0020  | .0101  | .0066  | .003   | .0155  | .0334    |
| %RSD   | .01955 | .44848 | .04288 | .20379 | .13529 | .0583  | .30092 | .75945   |
| #1     | 4.5334 | 4.9804 | 4.6093 | 4.9228 | 4.8398 | 4.758  | 5.1519 | 4.3729   |
| #2     | 4.5321 | 5.0121 | 4.6121 | 4.9370 | 4.8491 | 4.762  | 5.1738 | 4.4201   |

Sample Name: CCV07      Acquired: 12/18/2018 18:20:21      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.3592 |
| Stddev | .1962    |
| %RSD   | 8.3159   |

|    |        |
|----|--------|
| #1 | 2.4979 |
| #2 | 2.2204 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2989.8 | 41529. | 3796.7 | 92.140 | 3368.9 |
| Stddev    | 11.5   | 220.   | 7.5    | .359   | 2.6    |
| %RSD      | .38594 | .53024 | .19712 | .38982 | .07622 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2997.9 | 41685. | 3791.4 | 91.886 | 3367.0 |
| #2 | 2981.6 | 41373. | 3802.0 | 92.394 | 3370.7 |

Sample Name: CCB07      Acquired: 12/18/2018 18:24:07      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00094  | .00164  | -.00069 | .00063  | .00022  | -.01368 | .00123  | .00007   |
| Stddev | .00246  | .00147  | .00019  | .00149  | .00068  | .00157  | .00003  | .00008   |
| %RSD   | 260.98  | 89.843  | 27.978  | 234.59  | 311.49  | 11.458  | 2.8231  | 110.61   |
| #1     | .00268  | .00060  | -.00083 | -.00042 | -.00026 | -.01257 | .00126  | .00012   |
| #2     | -.00080 | .00268  | -.00055 | .00169  | .00070  | -.01479 | .00121  | .00001   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00000 | -.01088 | .00017  | .00008  | -.00192 | -.00294 | -.00008 | .03018   |
| Stddev | .00006  | .00324  | .00005  | .00008  | .00062  | .00195  | .00005  | .02410   |
| %RSD   | 1525.7  | 29.763  | 30.060  | 103.64  | 32.057  | 66.332  | 61.481  | 79.861   |
| #1     | -.00004 | -.01317 | .00020  | .00014  | -.00148 | -.00432 | -.00004 | .04723   |
| #2     | .00004  | -.00859 | .00013  | .00002  | -.00235 | -.00156 | -.00011 | .01314   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00008  | -.00011 | -.11011 | .00021  | -.00139 | -.00114 | .00020  | -.00039  |
| Stddev | .00015  | .00013  | .00285  | .00035  | .00005  | .03749  | .00007  | .00071   |
| %RSD   | 181.97  | 119.43  | 2.5903  | 163.72  | 3.4476  | 3276.7  | 35.959  | 182.52   |
| #1     | .00019  | -.00002 | -.11212 | -.00003 | -.00136 | -.02765 | .00025  | .00011   |
| #2     | -.00002 | -.00021 | -.10809 | .00046  | -.00142 | .02536  | .00015  | -.00089  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00844 | .00909  | -.00072 | .00220  | -.00160 | -.0022  | .00006  | F 2.8955 |
| Stddev | .00045  | .00187  | .00020  | .00309  | .00071  | .0012   | .00006  | .6641    |
| %RSD   | 5.2896  | 20.567  | 27.367  | 140.43  | 44.354  | 56.21   | 89.135  | 22.934   |
| #1     | -.00812 | .01041  | -.00058 | .00002  | -.00110 | -.0013  | .00011  | 3.3651   |
| #2     | -.00875 | .00777  | -.00086 | .00439  | -.00211 | -.0031  | .00002  | 2.4260   |



Sample Name: CCB07      Acquired: 12/18/2018 18:24:07      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .53588  
Stddev      .00220  
%RSD      .41058

#1      .53433  
#2      .53744

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3147.2 | 44454. | 3834.2 | 93.458 | 3852.0 |
| Stddev    | 19.1   | 1561.  | 23.7   | .660   | 30.5   |
| %RSD      | .60745 | 3.5117 | .61722 | .70616 | .79218 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3133.7 | 43350. | 3817.5 | 92.992 | 3830.4 |
| #2 | 3160.7 | 45558. | 3850.9 | 93.925 | 3873.5 |

Sample Name: J6424-01      Acquired: 12/18/2018 18:28:13      Type: Unk  
Method: P4-ICP2(v2662)      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    | .03764 | -.00060 | .12237 | -.01695 | .00360 | 55.754 | .23960 |
| Stddev | .00218 | .00128  | .00180 | .00464  | .00081 | .008   | .00222 |
| %RSD   | 5.7961 | 214.39  | 1.4724 | 27.358  | 22.563 | .01490 | .92517 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03610 | -.00150 | .12109 | -.02022 | .00417 | 55.749 | .24117 |
| #2 | .03919 | .00031  | .12364 | -.01367 | .00302 | 55.760 | .23803 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00268 | -.00143 | 36.483 | .11852 | .04925 | .06062 | 90.750 |
| Stddev | .00008 | .00029  | .119   | .00023 | .00037 | .00044 | .407   |
| %RSD   | 3.0361 | 20.291  | .32515 | .19172 | .74842 | .71846 | .44877 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00262 | -.00122 | 36.399 | .11836 | .04899 | .06031 | 90.462 |
| #2 | .00274 | -.00163 | 36.567 | .11868 | .04951 | .06093 | 91.038 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.2541 | 17.530 | .08445 | -.00202 | 2.8664 | .11313 | .23956 |
| Stddev | .0016  | .036   | .00054 | .00067  | .0360  | .00016 | .00154 |
| %RSD   | .12544 | .20711 | .63413 | 33.294  | 1.2550 | .13783 | .64400 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.2530 | 17.556 | .08407 | -.00250 | 2.8918 | .11302 | .23847 |
| #2 | 1.2552 | 17.504 | .08483 | -.00155 | 2.8409 | .11324 | .24065 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.8724 | .00237 | -.01420 | .47567 | 3.0908 | .00361 | .68713 |
| Stddev | .0253  | .00031 | .00399  | .00153 | .0034  | .00055 | .01293 |
| %RSD   | .65369 | 13.308 | 28.098  | .32159 | .10916 | 15.189 | 1.8817 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 3.8545 | .00214 | -.01702 | .47675 | 3.0932 | .00400 | .69627 |
| #2 | 3.8903 | .00259 | -.01138 | .47458 | 3.0884 | .00322 | .67798 |

Sample Name: J6424-01      Acquired: 12/18/2018 18:28:13      Type: Unk  
 Method: P4-ICP2(v2662)      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    | .03391 | 1.893  | -.02971 | 3.0540 | F<.00000 |
| Stddev | .00268 | .000   | .00077  | .2367  | .35809   |
| %RSD   | 7.8965 | .0120  | 2.5890  | 7.7490 | 5.5771   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .03201 | 1.893 | -.02916 | 3.2214 | -6.6740 |
| #2 | .03580 | 1.893 | -.03025 | 2.8867 | -6.1675 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3115.5 | 43554. | 3979.8 | 93.161 | 3537.9 |
| Stddev    | 11.0   | 72.    | 13.5   | .400   | .4     |
| %RSD      | .35395 | .16569 | .33826 | .42918 | .01258 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3123.3 | 43503. | 3970.3 | 93.444 | 3537.6 |
| #2 | 3107.7 | 43605. | 3989.3 | 92.878 | 3538.3 |

Sample Name: J6424-02      Acquired: 12/18/2018 18:32:12      Type: Unk  
Method: P4-ICP2(v2662)      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    | .01774 | -.00013 | .00653 | -.00885 | .00219 | 12.542 | .04738 | .00073 |
| Stddev | .00409 | .00026  | .00069 | .00180  | .00165 | .119   | .00073 | .00004 |
| %RSD   | 23.074 | 200.73  | 10.575 | 20.352  | 75.133 | .94987 | 1.5306 | 6.0999 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .01485 | .00006  | .00604 | -.00757 | .00335 | 12.458 | .04687 | .00076 |
| #2 | .02064 | -.00032 | .00702 | -.01012 | .00103 | 12.627 | .04789 | .00070 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00068 | .58355 | .03057 | .00571 | .00974 | 28.996 | .25433 | 1.0604 |
| Stddev | .00010  | .00706 | .00014 | .00017 | .00006 | .538   | .00039 | .0711  |
| %RSD   | 14.387  | 1.2097 | .45985 | 3.0485 | .60922 | 1.8542 | .15297 | 6.7035 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00061 | .58855 | .03047 | .00559 | .00970 | 28.616 | .25406 | 1.0101 |
| #2 | -.00075 | .57856 | .03067 | .00583 | .00978 | 29.376 | .25461 | 1.1106 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .01610 | -.00071 | .35920 | .04024 | .04110 | .81510 | .00161 | -.00752 |
| Stddev | .00003 | .00032  | .00384 | .00045 | .00031 | .02647 | .00014 | .01317  |
| %RSD   | .19304 | 45.020  | 1.0690 | 1.1070 | .74641 | 3.2471 | 8.7500 | 175.09  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .01612 | -.00048 | .36191 | .03992 | .04089 | .83381 | .00151 | -.01683 |
| #2 | .01608 | -.00094 | .35648 | .04055 | .04132 | .79638 | .00171 | .00179  |

|        |        |        |         |        |        |        |         |        |
|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .03172 | 1.1142 | -.00033 | .27545 | .00355 | .6785  | -.02297 | 2.5538 |
| Stddev | .00022 | .0190  | .00020  | .00439 | .00077 | .0057  | .00076  | .0858  |
| %RSD   | .70275 | 1.7077 | 61.058  | 1.5956 | 21.713 | .8451  | 3.2875  | 3.3590 |

|    |        |        |         |        |        |       |         |        |
|----|--------|--------|---------|--------|--------|-------|---------|--------|
| #1 | .03156 | 1.1008 | -.00047 | .27856 | .00301 | .6826 | -.02244 | 2.4932 |
| #2 | .03188 | 1.1277 | -.00019 | .27234 | .00410 | .6745 | -.02351 | 2.6145 |

Sample Name: J6424-02      Acquired: 12/18/2018 18:32:12      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      4.0146  
 Stddev      .0747  
 %RSD      1.8605

#1      4.0674  
 #2      3.9618

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3173.6 | 44943. | 3985.1 | 97.117 | 3800.0 |
| Stddev    | 3.2    | 11.    | 35.7   | .566   | 23.7   |
| %RSD      | .10240 | .02483 | .89655 | .58248 | .62397 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3171.3 | 44935. | 3959.8 | 97.517 | 3783.2 |
| #2 | 3175.9 | 44951. | 4010.3 | 96.717 | 3816.8 |

Sample Name: J6424-03      Acquired: 12/18/2018 18:36:16      Type: Unk  
Method: P4-ICP2(v2662)      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    | .04524 | -.00132 | .50330 | -.02843 | .00258 | 48.302 | .38366 |
| Stddev | .00412 | .00131  | .00067 | .00097  | .00009 | .476   | .00166 |
| %RSD   | 9.1160 | 99.397  | .13305 | 3.3951  | 3.3975 | .98634 | .43191 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04815 | -.00225 | .50377 | -.02775 | .00252 | 47.965 | .38484 |
| #2 | .04232 | -.00039 | .50283 | -.02911 | .00264 | 48.639 | .38249 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00264 | -.00043 | 129.93 | .11414 | .01760 | .02622 | 121.44 |
| Stddev | .00020 | .00007  | 1.23   | .00044 | .00018 | .00027 | .57    |
| %RSD   | 7.4715 | 16.837  | .94923 | .38800 | 1.0352 | 1.0470 | .47222 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00278 | -.00048 | 130.80 | .11383 | .01747 | .02602 | 121.85 |
| #2 | .00250 | -.00038 | 129.06 | .11445 | .01773 | .02641 | 121.03 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .57905 | 67.122 | .05485 | -.00231 | 2.5035 | .12002 | .76564 |
| Stddev | .00053 | .072   | .00015 | .00005  | .0008  | .00042 | .01056 |
| %RSD   | .09227 | .10740 | .26553 | 2.3047  | .03366 | .34815 | 1.3799 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .57943 | 67.173 | .05496 | -.00227 | 2.5029 | .11972 | .77311 |
| #2 | .57867 | 67.071 | .05475 | -.00235 | 2.5041 | .12031 | .75817 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.4576 | .00212 | -.02950 | .92124 | 2.3487 | .00799 | .66869 |
| Stddev | .0262  | .00001 | .00114  | .00528 | .0489  | .00031 | .00415 |
| %RSD   | .75751 | .44106 | 3.8587  | .57367 | 2.0831 | 3.8712 | .62003 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 3.4761 | .00212 | -.03030 | .92498 | 2.3833 | .00777 | .66576 |
| #2 | 3.4391 | .00211 | -.02869 | .91750 | 2.3141 | .00821 | .67162 |

Sample Name: J6424-03      Acquired: 12/18/2018 18:36:16      Type: Unk  
 Method: P4-ICP2(v2662)      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    | .03088 | 2.271  | -.01986 | 3.1969 | F<.00000 |
| Stddev | .00098 | .009   | .00031  | .1635  | .09415   |
| %RSD   | 3.1575 | .3725  | 1.5661  | 5.1131 | .78647   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .03157 | 2.277 | -.01964 | 3.0814 | -11.905 |
| #2 | .03019 | 2.265 | -.02008 | 3.3125 | -12.038 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3016.7 | 42101. | 3918.4 | 90.651 | 3339.2 |
| Stddev    | 23.4   | 120.   | 53.0   | 1.304  | 25.5   |
| %RSD      | .77683 | .28421 | 1.3536 | 1.4389 | .76220 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3000.2 | 42186. | 3880.9 | 89.729 | 3321.2 |
| #2 | 3033.3 | 42016. | 3955.9 | 91.574 | 3357.2 |

Sample Name: J6424-04      Acquired: 12/18/2018 18:40:13      Type: Unk  
Method: P4-ICP2(v2662)      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    | .02506 | .00010 | .00029 | -.01256 | .00422 | 13.493 | .02540 | .00103 |
| Stddev | .00212 | .00075 | .00005 | .00308  | .00042 | .044   | .00059 | .00001 |
| %RSD   | 8.4671 | 721.68 | 17.915 | 24.544  | 10.031 | .32686 | 2.3138 | .65718 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .02356 | -.00043 | .00025 | -.01473 | .00392 | 13.524 | .02498 | .00103 |
| #2 | .02656 | .00064  | .00033 | -.01038 | .00452 | 13.462 | .02581 | .00104 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00118 | .52611 | .04782 | .00453 | .00042 | 52.742 | .37502 | .79630 |
| Stddev | .00003  | .02756 | .00039 | .00022 | .00056 | .280   | .00059 | .03323 |
| %RSD   | 2.8689  | 5.2382 | .80626 | 4.8803 | 134.96 | .53033 | .15817 | 4.1731 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00121 | .54560 | .04755 | .00437 | .00081 | 52.545 | .37460 | .81980 |
| #2 | -.00116 | .50662 | .04809 | .00468 | .00002 | 52.940 | .37544 | .77280 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00974 | -.00113 | 1.6970 | .04710 | .04292 | .81512 | .00185 | -.01516 |
| Stddev | .00031 | .00057  | .0027  | .00069 | .00021 | .00403 | .00002 | .01494  |
| %RSD   | 3.2261 | 50.097  | .16071 | 1.4621 | .48735 | .49487 | .96844 | 98.540  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .00952 | -.00073 | 1.6950 | .04758 | .04277 | .81798 | .00186 | -.00460 |
| #2 | .00996 | -.00154 | 1.6989 | .04661 | .04307 | .81227 | .00183 | -.02572 |

|        |        |        |         |        |         |        |         |        |
|--------|--------|--------|---------|--------|---------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .07776 | .90246 | -.00106 | .18894 | -.00098 | .7195  | -.04925 | 2.7351 |
| Stddev | .00296 | .01459 | .00014  | .00017 | .00009  | .0090  | .00037  | .1132  |
| %RSD   | 3.8025 | 1.6164 | 13.490  | .08758 | 9.0522  | 1.251  | .74206  | 4.1376 |

|    |        |        |         |        |         |       |         |        |
|----|--------|--------|---------|--------|---------|-------|---------|--------|
| #1 | .07567 | .91278 | -.00096 | .18882 | -.00092 | .7131 | -.04899 | 2.6551 |
| #2 | .07985 | .89215 | -.00116 | .18905 | -.00105 | .7258 | -.04951 | 2.8151 |



Sample Name: J6424-04      Acquired: 12/18/2018 18:40:13      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .21494  
Stddev      .20334  
%RSD      94.600

#1      .07116  
#2      .35872

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3185.5 | 44488. | 3967.8 | 93.389 | 3735.2 |
| Stddev    | 18.8   | 94.    | 2.6    | .165   | 24.6   |
| %RSD      | .58924 | .21130 | .06478 | .17618 | .65937 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3198.8 | 44555. | 3966.0 | 93.505 | 3752.7 |
| #2 | 3172.2 | 44422. | 3969.6 | 93.272 | 3717.8 |

Sample Name: J6429-01      Acquired: 12/18/2018 18:44:15      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00219 | -.00350 | -.00919 | -.03035 | .00538 | 80.271 | .04040 |
| Stddev | .00255  | .00072  | .00108  | .00070  | .00188 | .021   | .00010 |
| %RSD   | 116.60  | 20.537  | 11.721  | 2.2927  | 34.878 | .02601 | .24889 |

|    |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00399 | -.00401 | -.00843 | -.02985 | .00671 | 80.286 | .04047 |
| #2 | -.00038 | -.00299 | -.00995 | -.03084 | .00406 | 80.256 | .04033 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00066 | -.00225 | 64.028 | .00709 | .12138 | .58703 | 164.39 |
| Stddev | .00009 | .00029  | .439   | .00027 | .00027 | .00229 | 2.60   |
| %RSD   | 14.079 | 12.859  | .68612 | 3.8401 | .21908 | .39076 | 1.5798 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00059 | -.00204 | 64.339 | .00728 | .12119 | .58865 | 162.55 |
| #2 | .00072 | -.00245 | 63.717 | .00689 | .12157 | .58541 | 166.22 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .80035 | 31.971 | .08815 | -.00252 | 9.5466 | .50535 | .11010 |
| Stddev | .00020 | .155   | .00004 | .00047  | .0248  | .00053 | .00149 |
| %RSD   | .02454 | .48575 | .04262 | 18.806  | .25939 | .10395 | 1.3512 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .80049 | 31.861 | .08818 | -.00219 | 9.5641 | .50573 | .10905 |
| #2 | .80021 | 32.081 | .08813 | -.00286 | 9.5291 | .50498 | .11116 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .65044 | .00207 | -.00637 | 3.9469 | .57444 | .00230 | 2.2438 |
| Stddev | .00452 | .00000 | .00882  | .0077  | .00212 | .00050 | .0074  |
| %RSD   | .69445 | .10988 | 138.53  | .19507 | .36870 | 21.783 | .33045 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | .65363 | .00207 | -.01260 | 3.9415 | .57294 | .00194 | 2.2490 |
| #2 | .64725 | .00207 | -.00013 | 3.9524 | .57594 | .00265 | 2.2385 |

Sample Name: J6429-01      Acquired: 12/18/2018 18:44:15      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00326 | 5.425  | -.02303 | 1.2308 | F<.00000 |
| Stddev | .00086 | .010   | .00444  | .0335  | 1.0060   |
| %RSD   | 26.236 | .1860  | 19.274  | 2.7177 | 3.8763   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .00265 | 5.418 | -.01989 | 1.2071 | -25.241 |
| #2 | .00386 | 5.432 | -.02617 | 1.2544 | -26.663 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3353.7 | 46912. | 4371.0 | 92.407 | 3393.0 |
| Stddev    | 2.1    | 96.    | 39.6   | .972   | 7.1    |
| %RSD      | .06204 | .20554 | .90686 | 1.0516 | .21012 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3352.2 | 46844. | 4343.0 | 93.094 | 3387.9 |
| #2 | 3355.2 | 46980. | 4399.1 | 91.720 | 3398.0 |

Sample Name: J6235-02      Acquired: 12/18/2018 18:48:10      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00221  | -.00176  | .04347 | -.00151 | .00105 | 1.0337 | .61841 | .00004  |
| Stddev | .00275  | .00049   | .00063 | .00125  | .00091 | .0246  | .00294 | .00013  |
| %RSD   | 124.05  | 27.796   | 1.4581 | 82.967  | 86.000 | 2.3839 | .47546 | 291.74  |
| #1     | .00027  | -.00141  | .04302 | -.00062 | .00169 | 1.0163 | .61633 | .00013  |
| #2     | .00416  | -.00211  | .04392 | -.00239 | .00041 | 1.0511 | .62049 | -.00005 |
| Elem   | Cd2265  | Ca3736   | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00002  | 93.001   | .00284 | .00045  | .03376 | 11.239 | .41887 | 82.970  |
| Stddev | .00005  | .400     | .00004 | .00004  | .00026 | .100   | .01873 | .702    |
| %RSD   | 326.23  | .42989   | 1.4974 | 9.5200  | .77453 | .88893 | 4.4710 | .84557  |
| #1     | .00005  | 92.718   | .00287 | .00042  | .03395 | 11.169 | .40563 | 82.474  |
| #2     | -.00002 | 93.283   | .00281 | .00048  | .03358 | 11.310 | .43211 | 83.466  |
| Elem   | Ni2316  | Ag3280   | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00418  | -.00016  | 262.43 | .00322  | .12582 | 58.177 | .05723 | 1.6947  |
| Stddev | .00050  | .00000   | 1.20   | .00071  | .00096 | .191   | .00013 | .0065   |
| %RSD   | 11.971  | 3.0169   | .45686 | 22.146  | .76449 | .32785 | .22049 | .38324  |
| #1     | .00454  | -.00017  | 261.58 | .00271  | .12514 | 58.042 | .05732 | 1.6901  |
| #2     | .00383  | -.00016  | 263.27 | .00372  | .12650 | 58.312 | .05714 | 1.6993  |
| Elem   | S_1820  | Si2881   | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | 3.0194  | F 11.079 | .00637 | .02622  | .05299 | 1.056  | .96195 | 4.6166  |
| Stddev | .0197   | .110     | .00016 | .00143  | .00005 | .005   | .00284 | .5576   |
| %RSD   | .65283  | .99100   | 2.5496 | 5.4394  | .09168 | .4439  | .29553 | 12.077  |
| #1     | 3.0333  | 11.002   | .00648 | .02722  | .05302 | 1.060  | .95994 | 4.2223  |
| #2     | 3.0054  | 11.157   | .00625 | .02521  | .05295 | 1.053  | .96396 | 5.0108  |

Sample Name: J6235-02      Acquired: 12/18/2018 18:48:10      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.9999 |
| Stddev | .3930  |
| %RSD   | 9.8262 |

|    |        |
|----|--------|
| #1 | 3.7220 |
| #2 | 4.2778 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2869.1 | 39883. | 3750.9 | 89.079 | 3177.7 |
| Stddev    | 18.2   | 1469.  | 9.3    | .356   | 20.0   |
| %RSD      | .63261 | 3.6821 | .24835 | .40013 | .62947 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2856.3 | 40921. | 3757.5 | 89.331 | 3163.6 |
| #2 | 2882.0 | 38845. | 3744.3 | 88.827 | 3191.9 |

Sample Name: J6235-03      Acquired: 12/18/2018 18:52:15      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00010 | -.00102 | .00118 | .00099 | -.00147 | .63596 | .04687 | .00004 |
| Stddev | .00362 | .00135  | .00102 | .00310 | .00279  | .01263 | .00024 | .00008 |
| %RSD   | 3465.7 | 132.21  | 86.717 | 313.62 | 189.72  | 1.9863 | .51248 | 217.44 |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.00246 | -.00197 | .00190 | .00318  | .00050  | .62702 | .04704 | .00009  |
| #2 | .00266  | -.00007 | .00045 | -.00120 | -.00345 | .64489 | .04670 | -.00002 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00013 | 56.645 | .01150 | .00026 | .01856 | .90850 | .03752 | 13.247 |
| Stddev | .00016  | .011   | .00026 | .00007 | .00026 | .00396 | .00018 | .008   |
| %RSD   | 125.10  | .01955 | 2.2742 | 28.323 | 1.4151 | .43572 | .46800 | .05890 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00001 | 56.653 | .01131 | .00021 | .01837 | .90570 | .03740 | 13.253 |
| #2 | -.00024 | 56.637 | .01168 | .00031 | .01874 | .91130 | .03765 | 13.242 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00585 | .00031 | 27.947 | .00192 | .01507 | 3.0082 | .00190 | .03224 |
| Stddev | .00022 | .00093 | .019   | .00026 | .00007 | .0645  | .00008 | .00516 |
| %RSD   | 3.7881 | 305.55 | .06796 | 13.280 | .48630 | 2.1450 | 4.3126 | 16.015 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00600 | -.00035 | 27.960 | .00210 | .01512 | 2.9625 | .00196 | .02859 |
| #2 | .00569 | .00097  | 27.933 | .00174 | .01502 | 3.0538 | .00184 | .03589 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.3180 | 2.2046 | -.00388 | .00659 | .00028 | .0444  | .26086 | 3.4932 |
| Stddev | .0123  | .0033  | .00011  | .00053 | .00145 | .0013  | .00059 | .0213  |
| %RSD   | .13159 | .15052 | 2.9486  | 8.0629 | 527.45 | 2.841  | .22785 | .61005 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 9.3266 | 2.2023 | -.00396 | .00696 | -.00075 | .0435 | .26044 | 3.4782 |
| #2 | 9.3093 | 2.2070 | -.00380 | .00621 | .00130  | .0453 | .26128 | 3.5083 |

Sample Name: J6235-03      Acquired: 12/18/2018 18:52:15      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.0287  
Stddev      .2772  
%RSD      26.948

#1      1.2247  
#2      .83268

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3060.8 | 42874. | 3857.1 | 95.399 | 3583.5 |
| Stddev    | 19.4   | 199.   | 10.7   | .226   | 1.0    |
| %RSD      | .63427 | .46302 | .27726 | .23722 | .02884 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3047.1 | 42734. | 3849.6 | 95.239 | 3582.7 |
| #2 | 3074.5 | 43015. | 3864.7 | 95.559 | 3584.2 |

Sample Name: J6235-04      Acquired: 12/18/2018 18:56:16      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00882 | -.00378 | .00399 | -.00401 | -.00420 | .80894 | .20778 | .00011 |
| Stddev | .00070 | .00052  | .00024 | .00355  | .00080  | .01371 | .00308 | .00015 |
| %RSD   | 7.9316 | 13.856  | 6.0254 | 88.494  | 19.118  | 1.6943 | 1.4825 | 141.10 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00932 | -.00341 | .00416 | -.00653 | -.00363 | .79925 | .20995 | .00000 |
| #2 | .00833 | -.00415 | .00382 | -.00150 | -.00477 | .81863 | .20560 | .00021 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00020 | 405.65 | .00144 | .00172 | .00441 | 19.558 | 1.1430 | 84.856 |
| Stddev | .00008 | 6.03   | .00008 | .00005 | .00048 | .535   | .0003  | 1.407  |
| %RSD   | 37.851 | 1.4870 | 5.3475 | 2.9495 | 10.986 | 2.7344 | .02196 | 1.6584 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00025 | 409.91 | .00139 | .00169 | .00407 | 19.936 | 1.1429 | 85.851 |
| #2 | .00015 | 401.38 | .00150 | .00176 | .00475 | 19.180 | 1.1432 | 83.861 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00044 | -.00091 | 214.41 | .00732 | .03363 | 17.968 | .00191 | .39016 |
| Stddev | .00009 | .00010  | 2.13   | .00007 | .00121 | .444   | .00016 | .01192 |
| %RSD   | 21.053 | 11.061  | .99185 | .94748 | 3.6097 | 2.4734 | 8.2769 | 3.0544 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00051 | -.00098 | 215.92 | .00727 | .03449 | 18.282 | .00180 | .39858 |
| #2 | .00038 | -.00084 | 212.91 | .00737 | .03277 | 17.654 | .00202 | .38173 |

|        |          |          |         |        |        |        |        |        |
|--------|----------|----------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 41.073 | F 11.522 | -.01577 | .00875 | .05060 | .6446  | 2.9064 | 5.1875 |
| Stddev | .569     | .228     | .00024  | .00261 | .00117 | .0071  | .0568  | .0600  |
| %RSD   | 1.3845   | 1.9745   | 1.5061  | 29.846 | 2.3121 | 1.098  | 1.9527 | 1.1559 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 41.475 | 11.683 | -.01561 | .01059 | .05142 | .6496 | 2.9465 | 5.1451 |
| #2 | 40.671 | 11.361 | -.01594 | .00690 | .04977 | .6396 | 2.8663 | 5.2299 |



Sample Name: J6235-04      Acquired: 12/18/2018 18:56:16      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.8996 |
| Stddev | .5028  |
| %RSD   | 8.5228 |

|    |        |
|----|--------|
| #1 | 6.2551 |
| #2 | 5.5440 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2803.5 | 38808. | 3702.1 | 87.456 | 3060.9 |
| Stddev    | 35.6   | 54.    | 69.5   | 2.858  | 41.8   |
| %RSD      | 1.2704 | .13888 | 1.8764 | 3.2679 | 1.3664 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2778.3 | 38769. | 3653.0 | 85.435 | 3031.3 |
| #2 | 2828.7 | 38846. | 3751.2 | 89.477 | 3090.5 |

Sample Name: J6235-05      Acquired: 12/18/2018 19:00:22      Type: Unk  
 Method: P4-ICP2(v2662)      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    | -.00050 | -.00112 | .00105 | .00015 | -.00047 | .04538 | .14562 | .00006 |
| Stddev | .00046  | .00050  | .00157 | .00163 | .00083  | .00965 | .00087 | .00003 |
| %RSD   | 92.352  | 44.982  | 150.40 | 1073.3 | 178.45  | 21.258 | .59915 | 40.718 |

|    |         |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00017 | -.00148 | .00216  | -.00100 | .00012  | .05220 | .14501 | .00004 |
| #2 | -.00083 | -.00077 | -.00007 | .00131  | -.00106 | .03856 | .14624 | .00008 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00017 | 93.197 | .00035 | -.00022 | .00035 | .30106 | .04055 | 26.585 |
| Stddev | .00002  | 1.305  | .00003 | .00023  | .00084 | .00548 | .00019 | .155   |
| %RSD   | 9.4939  | 1.4000 | 7.3909 | 103.42  | 242.89 | 1.8210 | .47449 | .58352 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | -.00016 | 92.274 | .00033 | -.00006 | .00094  | .29718 | .04068 | 26.475 |
| #2 | -.00019 | 94.119 | .00037 | -.00039 | -.00025 | .30493 | .04041 | 26.695 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00092 | -.00003 | 55.211 | .00087 | .01186 | 11.839 | .00206 | .25126 |
| Stddev | .00015 | .00002  | .347   | .00069 | .00019 | .141   | .00026 | .00667 |
| %RSD   | 15.820 | 54.287  | .62806 | 79.784 | 1.5631 | 1.1904 | 12.741 | 2.6550 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00102 | -.00004 | 54.966 | .00038 | .01173 | 11.740 | .00224 | .24654 |
| #2 | .00082 | -.00002 | 55.456 | .00135 | .01199 | 11.939 | .00187 | .25598 |

|        |          |        |         |        |        |        |        |        |
|--------|----------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 28.989 | 3.8791 | -.01129 | .00197 | .02525 | .0213  | .85513 | 3.9864 |
| Stddev | .034     | .0370  | .00030  | .00141 | .00111 | .0014  | .00911 | .1861  |
| %RSD   | .11891   | .95445 | 2.6240  | 71.299 | 4.3867 | 6.484  | 1.0659 | 4.6676 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 29.014 | 3.8529 | -.01108 | .00297 | .02447 | .0222 | .84868 | 4.1179 |
| #2 | 28.965 | 3.9053 | -.01150 | .00098 | .02603 | .0203 | .86157 | 3.8548 |

Sample Name: J6235-05      Acquired: 12/18/2018 19:00:22      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.5276 |
| Stddev | .0875  |
| %RSD   | 5.7257 |

|    |        |
|----|--------|
| #1 | 1.4658 |
| #2 | 1.5895 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3006.9 | 41762. | 3818.7 | 92.216 | 3466.2 |
| Stddev    | 14.8   | 251.   | 27.4   | 1.256  | 11.5   |
| %RSD      | .49212 | .60166 | .71730 | 1.3624 | .33317 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2996.4 | 41585. | 3838.1 | 93.104 | 3458.0 |
| #2 | 3017.4 | 41940. | 3799.4 | 91.327 | 3474.4 |

Sample Name: J6235-06      Acquired: 12/18/2018 19:04:24      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00185  | -.00252 | .00016  | .00035  | -.00072 | .00627  | .14487 | -.00000 |
| Stddev | .00136   | .00103  | .00021  | .00157  | .00100  | .01707  | .00037 | .00006  |
| %RSD   | 73.754   | 40.790  | 127.41  | 445.17  | 138.18  | 272.00  | .25676 | 1438.7  |
| #1     | -.00281  | -.00324 | .00031  | -.00076 | -.00002 | .01834  | .14461 | .00004  |
| #2     | -.00088  | -.00179 | .00002  | .00146  | -.00142 | -.00579 | .14514 | -.00005 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00029  | 93.625  | .00099  | -.00005 | .00710  | .21839  | .03452 | 26.586  |
| Stddev | .00009   | 1.024   | .00021  | .00002  | .00050  | .00089  | .00004 | .294    |
| %RSD   | 30.470   | 1.0942  | 21.506  | 35.912  | 7.0063  | .40824  | .10805 | 1.1065  |
| #1     | -.00022  | 92.900  | .00114  | -.00004 | .00675  | .21902  | .03455 | 26.378  |
| #2     | -.00035  | 94.349  | .00084  | -.00007 | .00745  | .21776  | .03450 | 26.794  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00234   | -.00017 | 55.565  | .00052  | .00666  | 11.925  | .00194 | .25763  |
| Stddev | .00021   | .00038  | .412    | .00047  | .00020  | .122    | .00035 | .00574  |
| %RSD   | 8.8823   | 226.35  | .74214  | 90.398  | 3.0527  | 1.0266  | 18.158 | 2.2264  |
| #1     | .00219   | .00010  | 55.274  | .00086  | .00651  | 11.838  | .00218 | .25358  |
| #2     | .00248   | -.00043 | 55.857  | .00019  | .00680  | 12.011  | .00169 | .26169  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | F 29.807 | 3.8635  | -.01174 | .00086  | .02511  | .0179   | .86175 | 4.0261  |
| Stddev | .075     | .0055   | .00014  | .00089  | .00144  | .0009   | .00360 | .1294   |
| %RSD   | .25199   | .14171  | 1.2288  | 103.33  | 5.7353  | 5.152   | .41784 | 3.2134  |
| #1     | 29.860   | 3.8596  | -.01164 | .00023  | .02409  | .0186   | .85920 | 3.9346  |
| #2     | 29.754   | 3.8674  | -.01185 | .00148  | .02613  | .0173   | .86429 | 4.1176  |

Sample Name: J6235-06      Acquired: 12/18/2018 19:04:24      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.3877 |
| Stddev | .0829  |
| %RSD   | 5.9735 |

|    |        |
|----|--------|
| #1 | 1.3291 |
| #2 | 1.4463 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2985.9 | 41688. | 3832.2 | 94.381 | 3429.3 |
| Stddev    | 13.9   | 31.    | .0     | 1.931  | 9.0    |
| %RSD      | .46588 | .07532 | .00100 | 2.0459 | .26166 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2976.0 | 41710. | 3832.2 | 95.746 | 3422.9 |
| #2 | 2995.7 | 41666. | 3832.1 | 93.015 | 3435.6 |

Sample Name: CCV08      Acquired: 12/18/2018 19:08:26      Type: Unk  
Method: P4-ICP2(v2662)      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    | 5.0533 | 4.7465 | 4.9540 | 4.8397 | 5.0189 | 9.8880 | 9.7561 | .24907   |
| Stddev | .0173  | .0118  | .0084  | .0044  | .0098  | .0573  | .0699  | .00072   |
| %RSD   | .34179 | .24825 | .16997 | .09147 | .19457 | .57951 | .71695 | .29104   |
| #1     | 5.0410 | 4.7548 | 4.9599 | 4.8366 | 5.0120 | 9.9285 | 9.7066 | .24959   |
| #2     | 5.0655 | 4.7382 | 4.9480 | 4.8428 | 5.0258 | 9.8475 | 9.8056 | .24856   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4076 | 25.097 | .99657 | 2.4390 | 1.2346 | 4.6034 | 2.5052 | 24.173   |
| Stddev | .0049  | .145   | .00379 | .0035  | .0023  | .0109  | .0050  | .199     |
| %RSD   | .20535 | .57592 | .38010 | .14212 | .18592 | .23584 | .20143 | .82251   |
| #1     | 2.4111 | 24.995 | .99925 | 2.4414 | 1.2329 | 4.6111 | 2.5088 | 24.032   |
| #2     | 2.4041 | 25.199 | .99389 | 2.4365 | 1.2362 | 4.5957 | 2.5016 | 24.313   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3605 | 1.2059 | 23.411 | 2.3456 | 2.4731 | 24.268 | 4.7920 | 4.7864   |
| Stddev | .0044  | .0024  | .250   | .0050  | .0144  | .194   | .0077  | .0281    |
| %RSD   | .18795 | .19472 | 1.0668 | .21205 | .58098 | .79827 | .15989 | .58794   |
| #1     | 2.3637 | 1.2076 | 23.234 | 2.3491 | 2.4630 | 24.131 | 4.7866 | 4.7665   |
| #2     | 2.3574 | 1.2043 | 23.587 | 2.3421 | 2.4833 | 24.405 | 4.7974 | 4.8063   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.5040 | 4.9387 | 4.6254 | 4.8997 | 4.7850 | 4.729  | 5.0607 | F 3.9699 |
| Stddev | .0073  | .0405  | .0090  | .0078  | .0451  | .012   | .0470  | .1370    |
| %RSD   | .16228 | .81928 | .19455 | .15880 | .94271 | .2597  | .92826 | 3.4514   |
| #1     | 4.5092 | 4.9101 | 4.6317 | 4.9052 | 4.7531 | 4.738  | 5.0275 | 4.0668   |
| #2     | 4.4989 | 4.9673 | 4.6190 | 4.8942 | 4.8169 | 4.721  | 5.0939 | 3.8730   |

Sample Name: CCV08      Acquired: 12/18/2018 19:08:26      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.9457  
Stddev      .2831  
%RSD      9.6090

#1      2.7456  
#2      3.1459

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3051.6 | 42049. | 3860.9 | 94.149 | 3408.4 |
| Stddev    | 3.6    | 155.   | 21.1   | .405   | 11.5   |
| %RSD      | .11834 | .36782 | .54646 | .43031 | .33862 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3054.2 | 41940. | 3875.9 | 94.435 | 3400.3 |
| #2 | 3049.1 | 42159. | 3846.0 | 93.862 | 3416.6 |

Sample Name: CCB08      Acquired: 12/18/2018 19:12:11      Type: Unk  
Method: P4-ICP2(v2662)      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    | -.00017 | .00281 | -.00040 | -.00169 | .00070 | -.00961 | .00167 | .00009 |
| Stddev | .00129  | .00157 | .00023  | .00145  | .00076 | .00292  | .00102 | .00001 |
| %RSD   | 750.83  | 56.020 | 58.911  | 85.663  | 109.25 | 30.371  | 61.183 | 12.664 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | .00074  | .00392 | -.00056 | -.00067 | .00016 | -.01167 | .00095 | .00008 |
| #2 | -.00108 | .00170 | -.00023 | -.00272 | .00124 | -.00755 | .00239 | .00009 |

|        |        |         |        |         |         |         |         |         |
|--------|--------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00000 | -.00325 | .00009 | -.00005 | -.00179 | -.00096 | -.00007 | -.00945 |
| Stddev | .00003 | .00570  | .00032 | .00026  | .00008  | .01495  | .00011  | .05637  |
| %RSD   | 607.00 | 175.57  | 364.23 | 566.53  | 4.2862  | 1557.5  | 142.95  | 596.45  |

|    |         |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00002  | -.00728 | -.00014 | .00014  | -.00174 | -.01153 | -.00015 | .03041  |
| #2 | -.00002 | .00078  | .00032  | -.00023 | -.00185 | .00961  | .00000  | -.04931 |

|        |        |        |         |        |         |         |        |        |
|--------|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00004 | .00037 | -.12613 | .00036 | -.00155 | -.02816 | .00028 | .00379 |
| Stddev | .00019 | .00038 | .01183  | .00017 | .00005  | .03087  | .00051 | .00750 |
| %RSD   | 513.86 | 102.54 | 9.3781  | 47.552 | 3.3190  | 109.63  | 183.43 | 197.77 |

|    |         |        |         |        |         |         |         |         |
|----|---------|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00017  | .00064 | -.13450 | .00048 | -.00151 | -.00633 | .00064  | .00910  |
| #2 | -.00009 | .00010 | -.11777 | .00024 | -.00159 | -.04998 | -.00008 | -.00151 |

|        |         |        |         |        |         |        |        |          |
|--------|---------|--------|---------|--------|---------|--------|--------|----------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670   |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | -.00807 | .00464 | -.00081 | .00271 | -.00277 | -.0018 | .00001 | F 2.5875 |
| Stddev | .00056  | .00058 | .00095  | .00110 | .00002  | .0011  | .00006 | .0393    |
| %RSD   | 6.8848  | 12.545 | 118.33  | 40.475 | .55168  | 60.16  | 487.94 | 1.5190   |

|    |         |        |         |        |         |        |         |        |
|----|---------|--------|---------|--------|---------|--------|---------|--------|
| #1 | -.00846 | .00505 | -.00013 | .00349 | -.00276 | -.0010 | .00005  | 2.6153 |
| #2 | -.00768 | .00423 | -.00148 | .00194 | -.00278 | -.0025 | -.00003 | 2.5597 |



Sample Name: CCB08      Acquired: 12/18/2018 19:12:11      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .55693 |
| Stddev | .10597   |
| %RSD   | 19.027   |

|    |        |
|----|--------|
| #1 | .63186 |
| #2 | .48200 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3185.7 | 44476. | 3921.5 | 97.767 | 3878.1 |
| Stddev    | 10.2   | 123.   | 3.4    | 1.178  | 14.6   |
| %RSD      | .32147 | .27623 | .08770 | 1.2054 | .37578 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3178.5 | 44389. | 3924.0 | 96.933 | 3867.8 |
| #2 | 3192.9 | 44563. | 3919.1 | 98.600 | 3888.4 |

Sample Name: J6195-09      Acquired: 12/18/2018 19:16:17      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-121718      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01409 | -.00804 | .23050 | -.03772 | .00686 | 140.12 | .59630 |
| Stddev | .00046 | .00134  | .00076 | .00475  | .00163 | .97    | .00006 |
| %RSD   | 3.2423 | 16.649  | .32986 | 12.594  | 23.731 | .69365 | .00992 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01442 | -.00899 | .23104 | -.04108 | .00801 | 139.43 | .59634 |
| #2 | .01377 | -.00709 | .22997 | -.03436 | .00571 | 140.81 | .59625 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00575 | -.00236 | 70.003 | .21905 | .11497 | .21802 | 258.06 |
| Stddev | .00008 | .00082  | .070   | .00045 | .00026 | .00219 | 5.35   |
| %RSD   | 1.3639 | 34.630  | .09930 | .20764 | .22337 | 1.0024 | 2.0739 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00569 | -.00178 | 69.954 | .21873 | .11515 | .21957 | 254.27 |
| #2 | .00581 | -.00294 | 70.052 | .21937 | .11479 | .21648 | 261.84 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.2521 | 63.187 | .24073 | -.00229 | 6.0475 | .52292 | .55117 |
| Stddev | .0051  | .059   | .00101 | .00032  | .0259  | .00060 | .00795 |
| %RSD   | .15795 | .09368 | .41893 | 13.844  | .42740 | .11491 | 1.4415 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.2557 | 63.145 | .24144 | -.00252 | 6.0293 | .52249 | .54556 |
| #2 | 3.2485 | 63.229 | .24002 | -.00207 | 6.0658 | .52334 | .55679 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 14.895 | .00702 | .01919 | F 14.328 | 2.4165 | .00737 | 3.0690 |
| Stddev | .003   | .00007 | .00481 | .023     | .0186  | .00044 | .0117  |
| %RSD   | .02189 | .94289 | 25.075 | .16022   | .76838 | 5.9632 | .38052 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.897 | .00707 | .01579 | 14.344 | 2.4296 | .00706 | 3.0607 |
| #2 | 14.892 | .00697 | .02260 | 14.311 | 2.4034 | .00768 | 3.0772 |

Sample Name: J6195-09      Acquired: 12/18/2018 19:16:17      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OR-03-121718      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .13672 | 7.769  | -.08515 | <.00000 | F<.00000 |
| Stddev | .00143 | .014   | .00667  | .08511  | 1.8292   |
| %RSD   | 1.0469 | .1849  | 7.8352  | 115.76  | 2.6136   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .13571 | 7.779 | -.08043 | -.13371 | -68.694 |
| #2 | .13773 | 7.759 | -.08987 | -.01334 | -71.281 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3551.8 | 49183. | 4653.7 | 92.864 | 3353.1 |
| Stddev    | 18.8   | 85.    | 38.0   | 1.276  | 33.4   |
| %RSD      | .52870 | .17338 | .81763 | 1.3738 | .99529 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3538.5 | 49123. | 4626.8 | 93.767 | 3329.5 |
| #2 | 3565.0 | 49243. | 4680.6 | 91.962 | 3376.7 |

Sample Name: J6319-08      Acquired: 12/18/2018 19:20:15      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 062\_SW-S-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03895 | -.00502 | .32765 | -.03888 | .00749 | 74.320 | 1.4508 |
| Stddev | .00063 | .00067  | .00105 | .00268  | .00005 | .299   | .0046  |
| %RSD   | 1.6063 | 13.349  | .32077 | 6.8915  | .70733 | .40228 | .31691 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03851 | -.00455 | .32839 | -.03699 | .00752 | 74.532 | 1.4541 |
| #2 | .03939 | -.00550 | .32691 | -.04078 | .00745 | 74.109 | 1.4476 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00394 | -.00191 | 35.805 | .17217 | .07408 | .20831 | 213.95 |
| Stddev | .00003 | .00039  | .083   | .00002 | .00017 | .00138 | 3.01   |
| %RSD   | .64160 | 20.456  | .23156 | .01211 | .23489 | .66110 | 1.4068 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00396 | -.00218 | 35.864 | .17219 | .07396 | .20733 | 216.08 |
| #2 | .00392 | -.00163 | 35.747 | .17216 | .07421 | .20928 | 211.82 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.9531 | 35.662 | .12625 | -.00397 | 2.2129 | .29202 | 1.0235 |
| Stddev | .0061  | .010   | .00051 | .00056  | .0087  | .00041 | .0197  |
| %RSD   | .31211 | .02718 | .40486 | 14.074  | .39113 | .13967 | 1.9205 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.9574 | 35.669 | .12661 | -.00437 | 2.2190 | .29173 | 1.0374 |
| #2 | 1.9488 | 35.656 | .12589 | -.00358 | 2.2067 | .29231 | 1.0096 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7588 | .00274 | .06360 | 1.3452 | 7.4498 | .01328 | 4.3917 |
| Stddev | .0008  | .00017 | .00412 | .0019  | .0226  | .00023 | .0049  |
| %RSD   | .01746 | 6.2620 | 6.4732 | .14318 | .30360 | 1.7159 | .11114 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.7582 | .00286 | .06651 | 1.3466 | 7.4338 | .01312 | 4.3882 |
| #2 | 4.7593 | .00262 | .06069 | 1.3438 | 7.4658 | .01345 | 4.3951 |

Sample Name: J6319-08      Acquired: 12/18/2018 19:20:15      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 062\_SW-S-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .05420 | 2.826  | -.03452 | 1.1979 | F<.00000 |
| Stddev | .00020 | .001   | .00362  | .1458  | 1.8279   |
| %RSD   | .36714 | .0266  | 10.495  | 12.173 | 3.6158   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .05434 | 2.827 | -.03708 | 1.3010 | -49.262 |
| #2 | .05406 | 2.826 | -.03196 | 1.0948 | -51.848 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3387.2 | 46560. | 4298.7 | 97.469 | 3601.4 |
| Stddev    | 4.3    | 290.   | 26.9   | 1.912  | 11.8   |
| %RSD      | .12563 | .62368 | .62644 | 1.9616 | .32808 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3384.2 | 46354. | 4279.7 | 96.117 | 3593.0 |
| #2 | 3390.2 | 46765. | 4317.8 | 98.821 | 3609.7 |

Sample Name: J6319-11      Acquired: 12/18/2018 19:24:09      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 065\_SW-W-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04845 | -.00841 | 2.8648 | -.04131 | .03080 | 116.30 | 1.7070 |
| Stddev | .00176 | .00071  | .0070  | .00243  | .00291 | .77    | .0165  |
| %RSD   | 3.6417 | 8.4546  | .24443 | 5.8715  | 9.4631 | .66361 | .96614 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04970 | -.00891 | 2.8697 | -.04303 | .02874 | 116.85 | 1.7187 |
| #2 | .04720 | -.00790 | 2.8598 | -.03960 | .03286 | 115.76 | 1.6954 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00847 | -.00173 | 168.13 | .25449 | .11052 | .73792 | 281.50 |
| Stddev | .00000 | .00014  | .56    | .00020 | .00068 | .00188 | .69    |
| %RSD   | .02967 | 8.1436  | .33233 | .07904 | .61077 | .25420 | .24467 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00847 | -.00163 | 168.53 | .25463 | .11100 | .73925 | 281.01 |
| #2 | .00846 | -.00183 | 167.74 | .25435 | .11005 | .73659 | 281.98 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.1353 | 44.597 | .21135 | -.00100 | 3.5334 | .28989 | 1.4784 |
| Stddev | .0022  | .389   | .00055 | .00073  | .0179  | .00044 | .0123  |
| %RSD   | .04292 | .87163 | .26184 | 72.825  | .50579 | .15019 | .83388 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.1369 | 44.872 | .21174 | -.00152 | 3.5460 | .28958 | 1.4697 |
| #2 | 5.1338 | 44.323 | .21096 | -.00049 | 3.5207 | .29020 | 1.4872 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 13.773 | .00646 | .04082 | F 30.090 | 7.8751 | .31839 | 2.5969 |
| Stddev | .088   | .00012 | .00630 | .018     | .0170  | .00244 | .0085  |
| %RSD   | .64061 | 1.8432 | 15.428 | .05828   | .21631 | .76753 | .32666 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.836 | .00637 | .04528 | 30.103 | 7.8871 | .31666 | 2.5909 |
| #2 | 13.711 | .00654 | .03637 | 30.078 | 7.8630 | .32012 | 2.6029 |

Sample Name: J6319-11      Acquired: 12/18/2018 19:24:09      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 065\_SW-W-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .15616 | 6.552  | .36655 | .23303 | F<.00000 |
| Stddev | .00050 | .019   | .00387 | .03344 | .57335   |
| %RSD   | .31791 | .2930  | 1.0569 | 14.350 | .73909   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .15581 | 6.566 | .36929 | .20938 | -77.980 |
| #2 | .15651 | 6.539 | .36381 | .25668 | -77.169 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3422.7 | 47301. | 4523.5 | 92.553 | 3332.6 |
| Stddev    | 15.8   | 214.   | 15.9   | .533   | 12.7   |
| %RSD      | .46117 | .45222 | .35100 | .57547 | .38235 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3411.6 | 47150. | 4512.3 | 92.929 | 3323.6 |
| #2 | 3433.9 | 47452. | 4534.8 | 92.176 | 3341.6 |

Sample Name: J6319-12      Acquired: 12/18/2018 19:28:12      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 066\_SW-W-2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05677 | -.00774 | 4.5185 | -.03619 | .01257 | 142.52 | 1.6545 |
| Stddev | .00076 | .00108  | .0006  | .00443  | .00052 | 1.21   | .0156  |
| %RSD   | 1.3309 | 13.968  | .01401 | 12.252  | 4.1714 | .84822 | .94164 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .05624 | -.00697 | 4.5190 | -.03933 | .01220 | 143.37 | 1.6435 |
| #2 | .05730 | -.00850 | 4.5181 | -.03306 | .01294 | 141.66 | 1.6655 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00936 | -.00318 | 58.096 | .22278 | .12381 | .89884 | 287.51 |
| Stddev | .00035 | .00004  | .898   | .00271 | .00001 | .00513 | .51    |
| %RSD   | 3.7084 | 1.3756  | 1.5454 | 1.2179 | .00516 | .57035 | .17889 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00961 | -.00315 | 57.461 | .22470 | .12382 | .90246 | 287.87 |
| #2 | .00911 | -.00321 | 58.730 | .22086 | .12381 | .89521 | 287.15 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.4409 | 43.566 | .21805 | .00051 | 3.6589 | .28523 | 1.8491 |
| Stddev | .0459  | .574   | .00081 | .00102 | .0336  | .00332 | .0021  |
| %RSD   | 1.0344 | 1.3164 | .37014 | 200.85 | .91843 | 1.1651 | .11558 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.4734 | 43.160 | .21862 | -.00021 | 3.6352 | .28758 | 1.8507 |
| #2 | 4.4084 | 43.971 | .21748 | .00123  | 3.6827 | .28288 | 1.8476 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 15.178 | .00339 | .03668 | F 42.136 | 6.6526 | .06665 | 2.0857 |
| Stddev | .067   | .00024 | .01141 | .074     | .0403  | .00105 | .0005  |
| %RSD   | .43959 | 7.0712 | 31.107 | .17591   | .60496 | 1.5719 | .02523 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.131 | .00322 | .04475 | 42.188 | 6.6241 | .06591 | 2.0860 |
| #2 | 15.225 | .00356 | .02861 | 42.084 | 6.6810 | .06739 | 2.0853 |



Sample Name: J6319-12      Acquired: 12/18/2018 19:28:12      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 066\_SW-W-2      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .20824 | 6.506  | .05183 | <.00000 | F<.00000 |
| Stddev | .00136 | .023   | .00404 | .01220  | 1.5236   |
| %RSD   | .65331 | .3506  | 7.7980 | 1.1592  | 1.8244   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .20920 | 6.522 | .04897 | -1.0440 | -82.437 |
| #2 | .20727 | 6.489 | .05468 | -1.0613 | -84.592 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3657.0 | 50973. | 4741.7 | 94.168 | 3451.9 |
| Stddev    | 21.2   | 495.   | 50.1   | .509   | 15.9   |
| %RSD      | .57918 | .97132 | 1.0568 | .54061 | .46112 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3642.1 | 50623. | 4777.1 | 93.808 | 3440.7 |
| #2 | 3672.0 | 51323. | 4706.2 | 94.528 | 3463.2 |

Sample Name: J6445-01      Acquired: 12/18/2018 19:32:15      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EB06\_1-3      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01902 | -.00585 | 2.3232 | -.04362 | .00633 | 60.684 | .96626 |
| Stddev | .00294 | .00074  | .0056  | .00076  | .00258 | .656   | .00584 |
| %RSD   | 15.444 | 12.604  | .24084 | 1.7406  | 40.699 | 1.0808 | .60398 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01695 | -.00638 | 2.3272 | -.04416 | .00816 | 61.148 | .96213 |
| #2 | .02110 | -.00533 | 2.3193 | -.04309 | .00451 | 60.221 | .97039 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00430 | .00390 | 498.18 | .14025 | .07725 | .27039 | 260.95 |
| Stddev | .00003 | .00025 | 2.26   | .00088 | .00006 | .00027 | 1.36   |
| %RSD   | .70634 | 6.3629 | .45331 | .62467 | .07866 | .10066 | .52104 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00432 | .00373 | 496.58 | .14087 | .07730 | .27059 | 261.91 |
| #2 | .00428 | .00408 | 499.78 | .13963 | .07721 | .27020 | 259.99 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.1411 | 147.41 | .13303 | -.00365 | 2.6233 | .29305 | 3.8289 |
| Stddev | .0545  | 1.43   | .00045 | .00009  | .0211  | .00313 | .0381  |
| %RSD   | 1.3157 | .96821 | .33554 | 2.4467  | .80461 | 1.0697 | .99453 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.1796 | 146.40 | .13335 | -.00359 | 2.6084 | .29527 | 3.8559 |
| #2 | 4.1026 | 148.42 | .13272 | -.00371 | 2.6382 | .29083 | 3.8020 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.215 | .00390 | .03075 | 9.3375 | 3.4773 | .02964 | 2.3494 |
| Stddev | .090   | .00010 | .00996 | .0010  | .0172  | .00057 | .0174  |
| %RSD   | .87785 | 2.5996 | 32.389 | .01041 | .49490 | 1.9207 | .73979 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.152 | .00397 | .03780 | 9.3368 | 3.4895 | .03004 | 2.3371 |
| #2 | 10.279 | .00383 | .02371 | 9.3382 | 3.4652 | .02923 | 2.3617 |

Sample Name: J6445-01      Acquired: 12/18/2018 19:32:15      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EB06\_1-3      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .07262 | 4.236  | .44867 | 2.1857 | F<.00000 |
| Stddev | .00217 | .012   | .00450 | .2072  | .61691   |
| %RSD   | 2.9903 | .2907  | 1.0032 | 9.4807 | 1.0783   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .07109 | 4.245 | .44548 | 2.3323 | -56.777 |
| #2 | .07416 | 4.228 | .45185 | 2.0392 | -57.649 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3096.1 | 43501. | 4202.8 | 85.280 | 3028.1 |
| Stddev    | 11.5   | 569.   | 15.7   | .943   | 12.1   |
| %RSD      | .36986 | 1.3071 | .37314 | 1.1059 | .39871 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3088.0 | 43099. | 4213.9 | 84.614 | 3019.6 |
| #2 | 3104.2 | 43903. | 4191.7 | 85.947 | 3036.6 |

Sample Name: J6445-02      Acquired: 12/18/2018 19:36:07      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EB06\_12-14      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04347 | -.00302 | .45477 | -.01982 | .00218 | 44.489 | .35293 |
| Stddev | .00498 | .00107  | .00517 | .00035  | .00051 | .079   | .00292 |
| %RSD   | 11.467 | 35.384  | 1.1359 | 1.7882  | 23.264 | .17731 | .82823 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03994 | -.00377 | .45112 | -.02007 | .00182 | 44.545 | .35500 |
| #2 | .04699 | -.00226 | .45842 | -.01957 | .00254 | 44.434 | .35086 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00254 | .00194 | 400.82 | .15307 | .03358 | .10355 | 97.999 |
| Stddev | .00014 | .00029 | 2.58   | .00032 | .00026 | .00022 | .784   |
| %RSD   | 5.3662 | 14.815 | .64358 | .21160 | .77698 | .21627 | .80049 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00264 | .00174 | 402.64 | .15284 | .03339 | .10339 | 98.553 |
| #2 | .00244 | .00214 | 399.00 | .15330 | .03376 | .10371 | 97.444 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.6073 | 75.691 | .06582 | -.00285 | 1.5301 | .14893 | 1.0203 |
| Stddev | .0022  | .799   | .00015 | .00006  | .0065  | .00012 | .0014  |
| %RSD   | .13740 | 1.0556 | .22266 | 2.1956  | .42601 | .07722 | .13295 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.6089 | 76.256 | .06592 | -.00290 | 1.5347 | .14885 | 1.0213 |
| #2 | 1.6058 | 75.126 | .06571 | -.00281 | 1.5255 | .14902 | 1.0194 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | 4.5669 | .01904 | -.00166 | F 10.905 | 5.2033 | .00736 | 1.3725 |
| Stddev | .0340  | .00039 | .00319  | .044     | .0739  | .00109 | .0024  |
| %RSD   | .74386 | 2.0260 | 192.49  | .40787   | 1.4203 | 14.765 | .17087 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 4.5428 | .01931 | -.00391 | 10.874 | 5.2556 | .00813 | 1.3741 |
| #2 | 4.5909 | .01877 | .00060  | 10.937 | 5.1511 | .00659 | 1.3708 |

Sample Name: J6445-02      Acquired: 12/18/2018 19:36:07      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EB06\_12-14      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .03639 | 2.687  | 1.0609 | 3.4880 | F<.00000 |
| Stddev | .00079 | .014   | .0047  | .0614  | .55147   |
| %RSD   | 2.1734 | .5204  | .44788 | 1.7600 | 25.523   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .03695 | 2.677 | 1.0643 | 3.5314 | -2.5507 |
| #2 | .03583 | 2.697 | 1.0576 | 3.4446 | -1.7708 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3025.5 | 42194. | 4023.5 | 90.933 | 3220.2 |
| Stddev    | 9.8    | 117.   | 6.6    | .063   | 12.8   |
| %RSD      | .32470 | .27742 | .16441 | .06929 | .39810 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3018.5 | 42277. | 4018.8 | 90.888 | 3229.3 |
| #2 | 3032.4 | 42112. | 4028.2 | 90.977 | 3211.1 |

Sample Name: J6445-03      Acquired: 12/18/2018 19:40:02      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EB02\_1.5-3.5      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .08839 | -.00287 | 2.4437 | -.01821 | .00609 | 59.776 | 1.2031 |
| Stddev | .00070 | .00101  | .0066  | .00230  | .00019 | .191   | .0076  |
| %RSD   | .79716 | 35.196  | .27005 | 12.650  | 3.1683 | .31942 | .62843 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .08789 | -.00216 | 2.4483 | -.01658 | .00595 | 59.911 | 1.2084 |
| #2 | .08889 | -.00359 | 2.4390 | -.01984 | .00623 | 59.641 | 1.1977 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00356 | -.00121 | 41.729 | .14939 | .01852 | .12719 | 126.14 |
| Stddev | .00010 | .00039  | .079   | .00042 | .00003 | .00200 | 3.45   |
| %RSD   | 2.7331 | 32.391  | .18939 | .28365 | .17830 | 1.5752 | 2.7352 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00363 | -.00148 | 41.674 | .14969 | .01850 | .12577 | 128.58 |
| #2 | .00349 | -.00093 | 41.785 | .14909 | .01855 | .12860 | 123.70 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .78736 | 8.7295 | .05202 | -.00301 | 2.8055 | .18259 | .43748 |
| Stddev | .00342 | .0520  | .00016 | .00015  | .0051  | .00069 | .01152 |
| %RSD   | .43431 | .59625 | .30229 | 5.1078  | .18274 | .37613 | 2.6329 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .78494 | 8.6927 | .05213 | -.00290 | 2.8018 | .18210 | .44562 |
| #2 | .78978 | 8.7663 | .05191 | -.00311 | 2.8091 | .18307 | .42934 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.9889 | .01582 | -.03314 | 1.4495 | 4.9642 | .02396 | .89880 |
| Stddev | .0324  | .00008 | .00659  | .0016  | .1709  | .00018 | .00760 |
| %RSD   | 1.0840 | .48668 | 19.876  | .11117 | 3.4415 | .73533 | .84560 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 2.9660 | .01587 | -.02848 | 1.4507 | 4.8434 | .02409 | .90418 |
| #2 | 3.0119 | .01576 | -.03780 | 1.4484 | 5.0850 | .02384 | .89343 |

Sample Name: J6445-03      Acquired: 12/18/2018 19:40:02      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EB02\_1.5-3.5      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .04259 | F 12.00 | .02096 | 2.1883 | F<.00000 |
| Stddev | .00102 | .01     | .00359 | .0100  | .13189   |
| %RSD   | 2.3849 | .0900   | 17.116 | .45774 | .87278   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .04187 | 12.00 | .01843 | 2.1812 | -15.205 |
| #2 | .04331 | 11.99 | .02350 | 2.1954 | -15.018 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3226.9 | 44735. | 4093.5 | 97.331 | 3624.5 |
| Stddev    | 4.4    | 93.    | 7.9    | 2.515  | 6.6    |
| %RSD      | .13768 | .20777 | .19199 | 2.5843 | .18099 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3230.0 | 44669. | 4099.0 | 95.552 | 3619.9 |
| #2 | 3223.7 | 44800. | 4087.9 | 99.109 | 3629.1 |

Sample Name: J6445-04      Acquired: 12/18/2018 19:43:58      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EB02\_6-8      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02075 | -.00016 | .01402 | -.00989 | .00333 | 12.388 | .04628 | .00119 |
| Stddev | .00010 | .00012  | .00049 | .00192  | .00077 | .015   | .00011 | .00010 |
| %RSD   | .47174 | 72.911  | 3.5165 | 19.462  | 22.979 | .12153 | .24326 | 8.4027 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .02068 | -.00024 | .01436 | -.01125 | .00279 | 12.399 | .04636 | .00126 |
| #2 | .02082 | -.00008 | .01367 | -.00853 | .00387 | 12.378 | .04620 | .00111 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00053 | .92348 | .04680 | .00412 | .00302 | 43.902 | .14903 | .95603 |
| Stddev | .00002  | .00908 | .00083 | .00019 | .00069 | .185   | .00083 | .02525 |
| %RSD   | 2.9849  | .98356 | 1.7806 | 4.6116 | 22.958 | .42247 | .55840 | 2.6407 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00052 | .91706 | .04621 | .00426 | .00253 | 44.033 | .14962 | .93817 |
| #2 | -.00054 | .92990 | .04738 | .00399 | .00352 | 43.771 | .14844 | .97388 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .01163 | -.00164 | .47407 | .05411 | .18904 | .71210 | .00460 | -.01749 |
| Stddev | .00032 | .00041  | .00045 | .00029 | .00044 | .03480 | .00011 | .00283  |
| %RSD   | 2.7432 | 25.169  | .09547 | .53862 | .23449 | 4.8866 | 2.4662 | 16.193  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .01186 | -.00135 | .47439 | .05432 | .18935 | .68749 | .00452 | -.01548 |
| #2 | .01141 | -.00194 | .47375 | .05391 | .18873 | .73670 | .00468 | -.01949 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .15487 | 3.7772 | .00079 | .22908 | .00040 | 3.369  | -.02417 | 2.0435 |
| Stddev | .00421 | .0509  | .00004 | .00322 | .00121 | .022   | .00041  | .1175  |
| %RSD   | 2.7155 | 1.3482 | 5.4330 | 1.4060 | 302.95 | .6446  | 1.6907  | 5.7505 |

|    |        |        |        |        |         |       |         |        |
|----|--------|--------|--------|--------|---------|-------|---------|--------|
| #1 | .15784 | 3.8132 | .00082 | .22680 | -.00046 | 3.384 | -.02446 | 1.9604 |
| #2 | .15190 | 3.7412 | .00076 | .23136 | .00125  | 3.353 | -.02388 | 2.1266 |



Sample Name: J6445-04      Acquired: 12/18/2018 19:43:58      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EB02\_6-8      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.3039  
Stddev      .0486  
%RSD      2.1108

#1      2.3383  
#2      2.2696

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3292.9 | 45769. | 4046.9 | 99.447 | 3890.7 |
| Stddev    | 2.3    | 74.    | 12.7   | .004   | 13.7   |
| %RSD      | .07038 | .16059 | .31471 | .00402 | .35309 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3291.3 | 45717. | 4055.9 | 99.444 | 3881.0 |
| #2 | 3294.5 | 45821. | 4037.9 | 99.450 | 3900.4 |

Sample Name: J6445-05      Acquired: 12/18/2018 19:47:58      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EB02\_12-14      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02057 | -.00065 | .00376 | -.00630 | .00076 | 7.8628 | .01632 | .00064 |
| Stddev | .00149 | .00020  | .00056 | .00100  | .00033 | .0459  | .00032 | .00008 |
| %RSD   | 7.2264 | 30.505  | 15.030 | 15.883  | 43.401 | .58408 | 1.9412 | 12.004 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .02162 | -.00079 | .00336 | -.00559 | .00053 | 7.8303 | .01610 | .00059 |
| #2 | .01952 | -.00051 | .00415 | -.00700 | .00099 | 7.8953 | .01655 | .00070 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00074 | .62226 | .03825 | .00395 | .00055 | 29.321 | .16429 | .71272 |
| Stddev | .00005  | .01399 | .00046 | .00017 | .00037 | .010   | .00069 | .01837 |
| %RSD   | 7.1947  | 2.2484 | 1.2000 | 4.4273 | 66.655 | .03569 | .41957 | 2.5781 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00070 | .61237 | .03858 | .00407 | .00081 | 29.313 | .16381 | .72571 |
| #2 | -.00078 | .63216 | .03793 | .00383 | .00029 | 29.328 | .16478 | .69972 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00594 | -.00100 | .08650 | .04308 | .04360 | .52771 | .00298 | -.00992 |
| Stddev | .00054 | .00039  | .00306 | .00006 | .00086 | .00894 | .00019 | .00929  |
| %RSD   | 9.1209 | 39.047  | 3.5348 | .13475 | 1.9616 | 1.6941 | 6.3978 | 93.574  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .00556 | -.00072 | .08867 | .04312 | .04420 | .53404 | .00311 | -.00336 |
| #2 | .00632 | -.00127 | .08434 | .04304 | .04299 | .52139 | .00285 | -.01649 |

|        |        |        |         |        |         |        |         |        |
|--------|--------|--------|---------|--------|---------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .06880 | 1.9855 | -.00125 | .22640 | -.00314 | 1.083  | -.01818 | 2.4116 |
| Stddev | .00377 | .0119  | .00004  | .00654 | .00146  | .000   | .00026  | .2756  |
| %RSD   | 5.4788 | .59853 | 3.0506  | 2.8871 | 46.380  | .0205  | 1.4134  | 11.428 |

|    |        |        |         |        |         |       |         |        |
|----|--------|--------|---------|--------|---------|-------|---------|--------|
| #1 | .07146 | 1.9939 | -.00122 | .22178 | -.00417 | 1.083 | -.01836 | 2.6065 |
| #2 | .06613 | 1.9771 | -.00127 | .23102 | -.00211 | 1.083 | -.01800 | 2.2167 |

Sample Name: J6445-05      Acquired: 12/18/2018 19:47:58      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EB02\_12-14      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.9525 |
| Stddev | .8787  |
| %RSD   | 17.743 |

|    |        |
|----|--------|
| #1 | 4.3312 |
| #2 | 5.5739 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3286.4 | 45744. | 4041.3 | 98.771 | 3921.3 |
| Stddev    | 9.1    | 241.   | 16.4   | .984   | .3     |
| %RSD      | .27696 | .52627 | .40505 | .99630 | .00793 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3280.0 | 45573. | 4052.9 | 98.075 | 3921.5 |
| #2 | 3292.9 | 45914. | 4029.7 | 99.467 | 3921.1 |

Sample Name: J6445-05DUP      Acquired: 12/18/2018 19:52:00      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EB02\_12-14DU      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01796 | -.00022 | .00404 | -.00793 | .00038 | 7.8979 | .01560 | .00071 |
| Stddev | .00076 | .00041  | .00024 | .00336  | .00187 | .0325  | .00105 | .00002 |
| %RSD   | 4.2163 | 191.09  | 5.8861 | 42.323  | 495.69 | .41168 | 6.7150 | 3.1237 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .01850 | .00008  | .00421 | -.00556 | -.00095 | 7.8749 | .01486 | .00072 |
| #2 | .01742 | -.00051 | .00388 | -.01030 | .00170  | 7.9209 | .01634 | .00069 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00070 | .63761 | .03722 | .00372 | .00030 | 29.654 | .16957 | .67403 |
| Stddev | .00008  | .02729 | .00017 | .00016 | .00026 | .561   | .00034 | .02878 |
| %RSD   | 10.726  | 4.2796 | .46141 | 4.3468 | 88.276 | 1.8917 | .19971 | 4.2706 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00076 | .65690 | .03710 | .00384 | .00011 | 30.051 | .16933 | .69438 |
| #2 | -.00065 | .61831 | .03735 | .00361 | .00049 | 29.258 | .16981 | .65368 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00597 | -.00078 | .09289 | .04418 | .04459 | .52902 | .00256 | -.00521 |
| Stddev | .00029 | .00023  | .00413 | .00002 | .00098 | .01965 | .00018 | .00258  |
| %RSD   | 4.7924 | 29.256  | 4.4466 | .04451 | 2.2016 | 3.7135 | 7.1182 | 49.509  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .00618 | -.00094 | .08997 | .04417 | .04528 | .54292 | .00269 | -.00703 |
| #2 | .00577 | -.00062 | .09582 | .04420 | .04389 | .51513 | .00243 | -.00338 |

|        |        |        |         |        |         |        |         |        |
|--------|--------|--------|---------|--------|---------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .06785 | 1.8909 | -.00043 | .22687 | -.00202 | 1.095  | -.01834 | 2.2572 |
| Stddev | .00213 | .0344  | .00019  | .00234 | .00285  | .003   | .00062  | .0386  |
| %RSD   | 3.1352 | 1.8171 | 45.101  | 1.0328 | 141.25  | .2722  | 3.3824  | 1.7114 |

|    |        |        |         |        |         |       |         |        |
|----|--------|--------|---------|--------|---------|-------|---------|--------|
| #1 | .06935 | 1.8666 | -.00029 | .22852 | -.00404 | 1.097 | -.01878 | 2.2845 |
| #2 | .06634 | 1.9152 | -.00056 | .22521 | -.00000 | 1.093 | -.01790 | 2.2299 |

Sample Name: J6445-05DUP      Acquired: 12/18/2018 19:52:00      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EB02\_12-14DU      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.8835 |
| Stddev | .1776  |
| %RSD   | 3.6357 |

|    |        |
|----|--------|
| #1 | 4.7580 |
| #2 | 5.0091 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3268.7 | 45872. | 4009.6 | 97.958 | 3894.6 |
| Stddev    | 6.8    | 55.    | 15.4   | 2.062  | 11.4   |
| %RSD      | .20675 | .12039 | .38405 | 2.1054 | .29144 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3263.9 | 45833. | 3998.7 | 96.500 | 3886.6 |
| #2 | 3273.5 | 45911. | 4020.5 | 99.417 | 3902.6 |

Sample Name: CCV09      Acquired: 12/18/2018 19:56:02      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14369      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |        |        |        |        |          |
|--------|----------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8971   | 4.6283 | 4.7937 | 4.7065 | 4.8591 | 9.5490 | 9.5673 | .24157   |
| Stddev | .0223    | .0317  | .0274  | .0144  | .0248  | .0462  | .0658  | .00003   |
| %RSD   | .45531   | .68414 | .57200 | .30531 | .51038 | .48383 | .68811 | .01271   |
| #1     | 4.9129   | 4.6507 | 4.8131 | 4.7167 | 4.8766 | 9.5817 | 9.6139 | .24155   |
| #2     | 4.8813   | 4.6059 | 4.7744 | 4.6964 | 4.8416 | 9.5164 | 9.5208 | .24160   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3366   | 24.923 | .97214 | 2.3569 | 1.2033 | 4.7149 | 2.4329 | 23.912   |
| Stddev | .0123    | .082   | .00463 | .0133  | .0034  | .1288  | .0013  | .193     |
| %RSD   | .52522   | .32769 | .47672 | .56252 | .27966 | 2.7326 | .05380 | .80534   |
| #1     | 2.3453   | 24.981 | .97542 | 2.3662 | 1.2057 | 4.8060 | 2.4320 | 24.049   |
| #2     | 2.3279   | 24.865 | .96886 | 2.3475 | 1.2010 | 4.6238 | 2.4338 | 23.776   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.2934   | 1.1694 | 22.936 | 2.2871 | 2.5508 | 23.760 | 4.6862 | 4.7435   |
| Stddev | .0138    | .0018  | .109   | .0027  | .0188  | .120   | .0242  | .0098    |
| %RSD   | .60197   | .15443 | .47545 | .11658 | .73620 | .50389 | .51735 | .20757   |
| #1     | 2.3031   | 1.1681 | 23.013 | 2.2890 | 2.5641 | 23.845 | 4.7033 | 4.7365   |
| #2     | 2.2836   | 1.1707 | 22.859 | 2.2853 | 2.5375 | 23.675 | 4.6691 | 4.7504   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F 4.3805 | 4.9485 | 4.5135 | 4.8008 | 4.6886 | 4.607  | 4.9856 | F 3.8702 |
| Stddev | .0285    | .0073  | .0154  | .0604  | .0197  | .030   | .0049  | .0190    |
| %RSD   | .64989   | .14777 | .34050 | 1.2581 | .41981 | .6582  | .09738 | .49030   |
| #1     | 4.4006   | 4.9433 | 4.5244 | 4.8435 | 4.7026 | 4.628  | 4.9890 | 3.8836   |
| #2     | 4.3603   | 4.9536 | 4.5026 | 4.7581 | 4.6747 | 4.585  | 4.9822 | 3.8568   |

Sample Name: CCV09      Acquired: 12/18/2018 19:56:02      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14369      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.0103  
Stddev      .5425  
%RSD      18.023

#1      3.3939  
#2      2.6267

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3107.1 | 42707. | 3830.8 | 90.555 | 3477.4 |
| Stddev    | 17.2   | 54.    | 7.6    | .765   | 21.8   |
| %RSD      | .55302 | .12635 | .19711 | .84458 | .62792 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3095.0 | 42669. | 3825.4 | 90.014 | 3461.9 |
| #2 | 3119.3 | 42746. | 3836.1 | 91.096 | 3492.8 |

Sample Name: CCB09      Acquired: 12/18/2018 19:59:48      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14369      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 | .00178  | .00029  | -.00093 | .00153  | -.00951 | .00131  | -.00001  |
| Stddev | .00062  | .00026  | .00043  | .00197  | .00084  | .01369  | .00036  | .00004   |
| %RSD   | 151.35  | 14.836  | 149.54  | 210.52  | 55.093  | 143.86  | 27.242  | 368.42   |
| #1     | -.00085 | .00160  | .00059  | -.00233 | .00212  | -.01919 | .00156  | .00002   |
| #2     | .00003  | .00197  | -.00002 | .00046  | .00093  | .00016  | .00105  | -.00004  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00001 | -.01220 | -.00017 | -.00005 | -.00196 | -.00875 | .00001  | -.02069  |
| Stddev | .00013  | .00705  | .00023  | .00006  | .00042  | .00624  | .00006  | .03726   |
| %RSD   | 2479.3  | 57.808  | 136.44  | 110.41  | 21.390  | 71.390  | 800.96  | 180.11   |
| #1     | -.00010 | -.01719 | -.00001 | -.00009 | -.00225 | -.00433 | -.00003 | .00566   |
| #2     | .00009  | -.00721 | -.00033 | -.00001 | -.00166 | -.01316 | .00005  | -.04704  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00023 | .00002  | -.16915 | .00012  | -.00111 | -.01869 | .00031  | -.00272  |
| Stddev | .00008  | .00015  | .00953  | .00016  | .00025  | .01010  | .00009  | .01239   |
| %RSD   | 35.979  | 829.11  | 5.6351  | 130.11  | 22.349  | 54.038  | 29.976  | 454.64   |
| #1     | -.00028 | -.00009 | -.16241 | .00001  | -.00093 | -.01155 | .00037  | -.01148  |
| #2     | -.00017 | .00012  | -.17589 | .00024  | -.00128 | -.02583 | .00024  | .00603   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00857 | .00550  | -.00030 | .00188  | -.00288 | -.0015  | .00009  | F 3.0675 |
| Stddev | .00029  | .00051  | .00012  | .00125  | .00066  | .0000   | .00003  | .0021    |
| %RSD   | 3.3365  | 9.2223  | 39.647  | 66.285  | 22.778  | 1.051   | 29.583  | .06982   |
| #1     | -.00877 | .00514  | -.00022 | .00100  | -.00241 | -.0015  | .00011  | 3.0660   |
| #2     | -.00837 | .00585  | -.00039 | .00276  | -.00334 | -.0015  | .00007  | 3.0690   |



Sample Name: CCB09      Acquired: 12/18/2018 19:59:48      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14369      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .58164 |
| Stddev | .09046   |
| %RSD   | 15.553   |

|    |        |
|----|--------|
| #1 | .64561 |
| #2 | .51767 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3238.2 | 44380. | 3895.5 | 99.129 | 3931.3 |
| Stddev    | 4.9    | 97.    | 46.4   | .560   | 6.4    |
| %RSD      | .14985 | .21903 | 1.1908 | .56471 | .16228 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3234.8 | 44311. | 3862.7 | 99.525 | 3926.8 |
| #2 | 3241.7 | 44449. | 3928.3 | 98.733 | 3935.8 |

Sample Name: J6445-05LX5      Acquired: 12/18/2018 20:03:54      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00142 | .00070 | .00008 | -.00299 | .00118 | 1.5674 | .00415 | .00011 |
| Stddev | .00057 | .00044 | .00077 | .00063  | .00074 | .0248  | .00037 | .00004 |
| %RSD   | 40.330 | 62.976 | 985.30 | 21.039  | 62.771 | 1.5798 | 8.8129 | 35.499 |

|    |        |        |         |         |        |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00182 | .00039 | .00063  | -.00255 | .00066 | 1.5499 | .00441 | .00014 |
| #2 | .00101 | .00101 | -.00047 | -.00343 | .00171 | 1.5849 | .00389 | .00008 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00017 | .11772 | .00772 | .00083 | -.00158 | 5.8093 | .03350 | .14085 |
| Stddev | .00004  | .00533 | .00022 | .00005 | .00093  | .1931  | .00067 | .00898 |
| %RSD   | 24.990  | 4.5236 | 2.8747 | 5.7405 | 58.924  | 3.3248 | 1.9952 | 6.3729 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00020 | .11395 | .00788 | .00086 | -.00223 | 5.9458 | .03302 | .13450 |
| #2 | -.00014 | .12148 | .00756 | .00080 | -.00092 | 5.6727 | .03397 | .14720 |

|        |        |         |         |        |        |        |        |         |
|--------|--------|---------|---------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00126 | -.00021 | -.12106 | .00863 | .00795 | .06119 | .00082 | -.00146 |
| Stddev | .00033 | .00005  | .00350  | .00007 | .00030 | .02666 | .00032 | .00782  |
| %RSD   | 26.657 | 22.806  | 2.8908  | .77450 | 3.8129 | 43.561 | 38.591 | 534.79  |

|    |        |         |         |        |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|--------|---------|
| #1 | .00149 | -.00025 | -.12354 | .00868 | .00816 | .04234 | .00059 | -.00699 |
| #2 | .00102 | -.00018 | -.11859 | .00858 | .00773 | .08004 | .00104 | .00407  |

|        |        |        |         |        |         |        |         |        |
|--------|--------|--------|---------|--------|---------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00492 | .39090 | -.00147 | .04732 | -.00199 | .2237  | -.00342 | 2.5845 |
| Stddev | .00103 | .01401 | .00066  | .00313 | .00088  | .0020  | .00007  | .1830  |
| %RSD   | 20.910 | 3.5847 | 45.119  | 6.6125 | 44.527  | .9102  | 2.1713  | 7.0804 |

|    |        |        |         |        |         |       |         |        |
|----|--------|--------|---------|--------|---------|-------|---------|--------|
| #1 | .00419 | .40081 | -.00100 | .04953 | -.00136 | .2251 | -.00347 | 2.4551 |
| #2 | .00564 | .38099 | -.00194 | .04510 | -.00261 | .2222 | -.00337 | 2.7139 |

Sample Name: J6445-05LX5      Acquired: 12/18/2018 20:03:54      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.7471  
Stddev      .5502  
%RSD      31.490

#1      1.3581  
#2      2.1362

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3284.5 | 45870. | 3991.1 | 99.788 | 3947.2 |
| Stddev    | 13.7   | 472.   | 66.8   | 3.188  | 32.2   |
| %RSD      | .41748 | 1.0286 | 1.6749 | 3.1947 | .81465 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3274.8 | 46204. | 3943.8 | 97.533 | 3924.5 |
| #2 | 3294.2 | 45537. | 4038.4 | 102.04 | 3969.9 |

Sample Name: J6445-05MS      Acquired: 12/18/2018 20:07:58      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EB02\_12-14MS      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    | .76713 | 1.8327 | .94988 | 1.7719 | .65168 | 11.341 | .22255 | .18796 | .17918 |
| Stddev | .00114 | .0095  | .00190 | .0037  | .00042 | .104   | .00112 | .00049 | .00038 |
| %RSD   | .14924 | .51730 | .20047 | .20702 | .06463 | .92102 | .50398 | .25942 | .21375 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76794 | 1.8259 | .94853 | 1.7745 | .65138 | 11.415 | .22334 | .18762 | .17890 |
| #2 | .76632 | 1.8394 | .95123 | 1.7693 | .65197 | 11.268 | .22176 | .18831 | .17945 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.7206 | .45320 | .19477 | .29997 | 39.158 | .36231 | 2.8074 | .47097 | .06537 |
| Stddev | .0031  | .00145 | .00110 | .00009 | .826   | .00031 | .0101  | .00153 | .00012 |
| %RSD   | .17955 | .32065 | .56589 | .02951 | 2.1091 | .08567 | .36031 | .32502 | .17655 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.7184 | .45423 | .19399 | .30003 | 38.574 | .36253 | 2.8146 | .46989 | .06545 |
| #2 | 1.7228 | .45217 | .19555 | .29991 | 39.742 | .36209 | 2.8003 | .47206 | .06529 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.0083 | .33112 | .25188 | 10.540 | .37260 | .26457 | .06743 | 2.9199 | .58963 |
| Stddev | .0080  | .00045 | .00616 | .014   | .00073 | .00423 | .00373 | .0008  | .00341 |
| %RSD   | .26485 | .13483 | 2.4448 | .13480 | .19464 | 1.5978 | 5.5345 | .02839 | .57888 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.0027 | .33143 | .24753 | 10.530 | .37209 | .26158 | .07007 | 2.9205 | .58721 |
| #2 | 3.0139 | .33080 | .25624 | 10.550 | .37311 | .26756 | .06479 | 2.9193 | .59204 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .41865 | .19508 | 6.003  | .18180 | 2.5887 | 1.6384 |
| Stddev | .00518 | .00067 | .018   | .00045 | .0289  | .2923  |
| %RSD   | 1.2375 | .34550 | .3056  | .24983 | 1.1180 | 17.842 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .41498 | .19460 | 5.990 | .18212 | 2.5682 | 1.8451 |
| #2 | .42231 | .19556 | 6.016 | .18148 | 2.6091 | 1.4317 |

Sample Name: J6445-05MS      Acquired: 12/18/2018 20:07:58      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EB02\_12-14MS 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       | 3287.6 | 45461. | 3936.8 | 97.538 | 3855.1 |
| Stddev    | 8.1    | 248.   | 33.0   | 2.587  | 21.2   |
| %RSD      | .24712 | .54501 | .83718 | 2.6521 | .55008 |
| #1        | 3293.3 | 45286. | 3960.1 | 99.367 | 3870.1 |
| #2        | 3281.8 | 45636. | 3913.4 | 95.708 | 3840.1 |

Sample Name: J6445-05MSD      Acquired: 12/18/2018 20:11:50      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EB02\_12-14MS      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    | .76557 | 1.8423 | .95177 | 1.7696 | .65288 | 11.163 | .22377 | .18412 | .17961 |
| Stddev | .00596 | .0114  | .00131 | .0082  | .00458 | .152   | .00140 | .00337 | .00093 |
| %RSD   | .77814 | .61590 | .13723 | .46218 | .70170 | 1.3581 | .62600 | 1.8288 | .51637 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76979 | 1.8503 | .95270 | 1.7754 | .65612 | 11.270 | .22476 | .18650 | .18026 |
| #2 | .76136 | 1.8343 | .95085 | 1.7638 | .64964 | 11.056 | .22278 | .18174 | .17895 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.7274 | .44395 | .19537 | .30070 | 39.364 | .35555 | 2.8702 | .47199 | .06432 |
| Stddev | .0345  | .00885 | .00057 | .00295 | .776   | .00692 | .0856  | .00272 | .00032 |
| %RSD   | 1.9989 | 1.9936 | .29122 | .98081 | 1.9722 | 1.9456 | 2.9828 | .57688 | .49416 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.7518 | .45021 | .19577 | .30278 | 38.815 | .36044 | 2.8097 | .47392 | .06455 |
| #2 | 1.7030 | .43770 | .19496 | .29861 | 39.913 | .35065 | 2.9307 | .47007 | .06410 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.0134 | .32442 | .25347 | 10.621 | .37180 | .26145 | .06489 | 2.8743 | .59175 |
| Stddev | .0111  | .00513 | .00378 | .039   | .00269 | .00623 | .00185 | .0427  | .00138 |
| %RSD   | .36915 | 1.5802 | 1.4919 | .37102 | .72361 | 2.3837 | 2.8492 | 1.4865 | .23306 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.0212 | .32805 | .25080 | 10.649 | .37370 | .26586 | .06620 | 2.9046 | .59273 |
| #2 | 3.0055 | .32080 | .25614 | 10.593 | .36989 | .25705 | .06358 | 2.8441 | .59078 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .42298 | .19461 | 6.006  | .18082 | 2.0788 | 1.6624 |
| Stddev | .01350 | .00201 | .037   | .00262 | .2913  | .7041  |
| %RSD   | 3.1919 | 1.0308 | .6144  | 1.4509 | 14.014 | 42.357 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .43252 | .19603 | 6.032 | .18268 | 2.2848 | 1.1645 |
| #2 | .41343 | .19319 | 5.980 | .17897 | 1.8728 | 2.1603 |

Sample Name: J6445-05MSD      Acquired: 12/18/2018 20:11:50      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EB02\_12-14MS      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       | 3302.8 | 46339. | 3942.5 | 96.925 | 3852.6 |
| Stddev    | 15.1   | 810.   | 44.6   | 1.485  | 15.8   |
| %RSD      | .45693 | 1.7484 | 1.1304 | 1.5320 | .41116 |
| #1        | 3292.1 | 45766. | 3911.0 | 97.975 | 3841.4 |
| #2        | 3313.5 | 46911. | 3974.1 | 95.875 | 3863.8 |

Sample Name: J6445-05A      Acquired: 12/18/2018 20:15:41      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .81812 | 1.9627 | 1.0134 | 1.8886 | .69518 | 12.133 | .23636 | .20245 | .19181 |
| Stddev | .00108 | .0054  | .0058  | .0069  | .00056 | .083   | .01025 | .00161 | .00012 |
| %RSD   | .13151 | .27601 | .57396 | .36566 | .08044 | .68053 | 4.3374 | .79403 | .06208 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81888 | 1.9588 | 1.0093 | 1.8837 | .69557 | 12.191 | .22911 | .20358 | .19173 |
| #2 | .81736 | 1.9665 | 1.0175 | 1.8935 | .69478 | 12.074 | .24361 | .20131 | .19189 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.8128 | .48617 | .20885 | .32079 | 40.982 | .39030 | 3.0476 | .50272 | .07134 |
| Stddev | .0521  | .00575 | .00107 | .00047 | 1.195  | .00413 | .1247  | .00046 | .00048 |
| %RSD   | 2.8739 | 1.1821 | .51397 | .14683 | 2.9168 | 1.0587 | 4.0904 | .09169 | .67285 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.7760 | .49023 | .20809 | .32046 | 40.137 | .39322 | 2.9594 | .50239 | .07168 |
| #2 | 1.8497 | .48210 | .20961 | .32112 | 41.827 | .38738 | 3.1357 | .50304 | .07100 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.2283 | .35614 | .26476 | 11.222 | .39759 | .28517 | .07387 | 3.0277 | .63149 |
| Stddev | .0849  | .00401 | .00916 | .409   | .00097 | .01092 | .00023 | .0343  | .00032 |
| %RSD   | 2.6310 | 1.1265 | 3.4612 | 3.6456 | .24293 | 3.8293 | .31763 | 1.1335 | .05008 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.1682 | .35898 | .25828 | 10.932 | .39691 | .27745 | .07371 | 3.0035 | .63171 |
| #2 | 3.2883 | .35330 | .27124 | 11.511 | .39828 | .29289 | .07404 | 3.0520 | .63126 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .44320 | .20939 | 6.414  | .19316 | 3.3741 | 1.3215 |
| Stddev | .00874 | .00806 | .009   | .00717 | .3251  | .9279  |
| %RSD   | 1.9717 | 3.8500 | .1349  | 3.7107 | 9.6350 | 70.221 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .43702 | .20369 | 6.408 | .18809 | 3.6040 | .66531 |
| #2 | .44937 | .21509 | 6.421 | .19823 | 3.1443 | 1.9776 |



Sample Name: J6445-05A      Acquired: 12/18/2018 20:15:41      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      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       | 3150.9 | 43029. | 3789.0 | 94.577 | 3676.7 |
| Stddev    | 9.6    | 591.   | 110.3  | 3.332  | 14.1   |
| %RSD      | .30564 | 1.3743 | 2.9099 | 3.5233 | .38224 |
| #1        | 3157.8 | 42610. | 3867.0 | 96.933 | 3686.6 |
| #2        | 3144.1 | 43447. | 3711.0 | 92.221 | 3666.7 |

Sample Name: J6445-06      Acquired: 12/18/2018 20:19:31      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EB05\_1.5-3.5      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .17949 | -.00178 | 1.3883 | -.03873 | .00621 | 67.986 | .63643 |
| Stddev | .00279 | .00058  | .0155  | .00533  | .00073 | .526   | .00448 |
| %RSD   | 1.5550 | 32.344  | 1.1192 | 13.758  | 11.766 | .77416 | .70321 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .17752 | -.00138 | 1.3773 | -.04250 | .00672 | 67.614 | .63959 |
| #2 | .18146 | -.00219 | 1.3993 | -.03497 | .00569 | 68.358 | .63326 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00637 | -.00145 | 182.43 | .18232 | .03404 | .17533 | 239.94 |
| Stddev | .00003 | .00006  | .96    | .00017 | .00021 | .00295 | .78    |
| %RSD   | .40734 | 3.8133  | .52428 | .09071 | .61383 | 1.6839 | .32616 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00636 | -.00149 | 183.11 | .18220 | .03390 | .17324 | 239.38 |
| #2 | .00639 | -.00141 | 181.75 | .18244 | .03419 | .17742 | 240.49 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.1079 | 23.566 | .08061 | -.00736 | 2.7351 | .26777 | 1.4227 |
| Stddev | .0102  | .073   | .00005 | .00059  | .0284  | .00092 | .0045  |
| %RSD   | .91799 | .30919 | .06756 | 7.9597  | 1.0372 | .34404 | .31596 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.1007 | 23.515 | .08065 | -.00695 | 2.7552 | .26712 | 1.4196 |
| #2 | 1.1151 | 23.618 | .08057 | -.00777 | 2.7151 | .26842 | 1.4259 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.7472 | .00745 | -.04809 | 1.5727 | 3.1854 | .02407 | .93957 |
| Stddev | .0386  | .00040 | .00270  | .0160  | .0664  | .00004 | .01299 |
| %RSD   | 1.4032 | 5.3131 | 5.6077  | 1.0202 | 2.0840 | .15790 | 1.3823 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 2.7744 | .00773 | -.04999 | 1.5613 | 3.2323 | .02410 | .94875 |
| #2 | 2.7199 | .00717 | -.04618 | 1.5840 | 3.1384 | .02404 | .93038 |

Sample Name: J6445-06      Acquired: 12/18/2018 20:19:31      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EB05\_1.5-3.5      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04576 | 4.294  | .08987 | 2.5393 | F<.00000 |
| Stddev | .00014 | .043   | .00325 | .1373  | .30221   |
| %RSD   | .31365 | 1.011  | 3.6191 | 5.4059 | .59834   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .04586 | 4.263 | .09217 | 2.4423 | -50.722 |
| #2 | .04565 | 4.325 | .08757 | 2.6364 | -50.294 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3052.4 | 42086. | 3949.7 | 90.096 | 3274.0 |
| Stddev    | 33.5   | 302.   | 30.6   | .217   | 43.7   |
| %RSD      | 1.0973 | .71672 | .77379 | .24112 | 1.3339 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3076.1 | 42299. | 3928.1 | 90.250 | 3304.9 |
| #2 | 3028.7 | 41873. | 3971.3 | 89.943 | 3243.2 |

Sample Name: J6445-07      Acquired: 12/18/2018 20:23:27      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EB05\_12-14      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01632 | -.00146 | .01267 | -.00921 | .00079 | 22.649 | .05059 | .00100 |
| Stddev | .00012 | .00010  | .00019 | .00049  | .00133 | .295   | .00128 | .00011 |
| %RSD   | .75128 | 6.7532  | 1.4761 | 5.3333  | 168.47 | 1.3030 | 2.5273 | 11.426 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .01640 | -.00153 | .01281 | -.00955 | -.00015 | 22.440 | .05149 | .00092 |
| #2 | .01623 | -.00139 | .01254 | -.00886 | .00173  | 22.857 | .04968 | .00108 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00144 | 12.638 | .19838 | .02290 | .12304 | 60.463 | .58454 | 13.740 |
| Stddev | .00008  | .018   | .00348 | .00054 | .00069 | .063   | .00641 | .004   |
| %RSD   | 5.8832  | .14061 | 1.7561 | 2.3612 | .55921 | .10448 | 1.0961 | .02546 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00150 | 12.625 | .19592 | .02251 | .12353 | 60.418 | .58001 | 13.742 |
| #2 | -.00138 | 12.650 | .20084 | .02328 | .12256 | 60.507 | .58907 | 13.737 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .06513 | -.00205 | 2.1055 | .08664 | .07952 | .87872 | .03786 | .03544 |
| Stddev | .00066 | .00017  | .0020  | .00110 | .00065 | .01771 | .00020 | .00442 |
| %RSD   | 1.0208 | 8.4759  | .09514 | 1.2747 | .81600 | 2.0149 | .53543 | 12.482 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .06466 | -.00193 | 2.1040 | .08586 | .07998 | .89124 | .03771 | .03231 |
| #2 | .06560 | -.00218 | 2.1069 | .08742 | .07906 | .86620 | .03800 | .03857 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .19470 | 4.5669 | .00314 | 1.5776 | .01452 | .8378  | -.02576 | 2.9022 |
| Stddev | .00638 | .0974  | .00015 | .0005  | .00050 | .0038  | .00010  | .0789  |
| %RSD   | 3.2772 | 2.1332 | 4.8922 | .02905 | 3.4638 | .4506  | .37398  | 2.7186 |

|    |        |        |        |        |        |       |         |        |
|----|--------|--------|--------|--------|--------|-------|---------|--------|
| #1 | .19922 | 4.4980 | .00325 | 1.5779 | .01488 | .8351 | -.02583 | 2.9579 |
| #2 | .19019 | 4.6358 | .00303 | 1.5773 | .01417 | .8404 | -.02570 | 2.8464 |

Sample Name: J6445-07      Acquired: 12/18/2018 20:23:27      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EB05\_12-14      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .91738  
 Stddev      .47354  
 %RSD      51.618

#1      1.2522  
 #2      .58254

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3182.4 | 43363. | 3922.4 | 94.369 | 3656.9 |
| Stddev    | 12.3   | 429.   | 1.0    | .276   | 40.2   |
| %RSD      | .38495 | .98828 | .02651 | .29279 | 1.1004 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3191.1 | 43666. | 3923.1 | 94.173 | 3685.3 |
| #2 | 3173.7 | 43060. | 3921.7 | 94.564 | 3628.4 |

Sample Name: J6453-01      Acquired: 12/18/2018 20:27:26      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SS-SOIL      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03601 | -.00564 | .97001 | -.02709 | .00983 | 109.77 | 1.2149 |
| Stddev | .00278 | .00210  | .00065 | .00026  | .00168 | 1.38   | .0044  |
| %RSD   | 7.7282 | 37.178  | .06735 | .97297  | 17.127 | 1.2601 | .36309 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03404 | -.00712 | .97047 | -.02727 | .00864 | 108.79 | 1.2117 |
| #2 | .03798 | -.00415 | .96955 | -.02690 | .01102 | 110.75 | 1.2180 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00670 | -.00119 | 82.893 | .18016 | .09458 | .50390 | 251.75 |
| Stddev | .00000 | .00029  | .904   | .00320 | .00032 | .00126 | 1.38   |
| %RSD   | .06998 | 24.340  | 1.0908 | 1.7755 | .33408 | .24968 | .54978 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00671 | -.00099 | 82.254 | .17790 | .09480 | .50479 | 252.73 |
| #2 | .00670 | -.00139 | 83.532 | .18242 | .09436 | .50301 | 250.77 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.4048 | 41.438 | .19735 | -.00294 | 3.2604 | .27523 | 1.3900 |
| Stddev | .0365  | .169   | .00023 | .00110  | .0016  | .00436 | .0174  |
| %RSD   | .82789 | .40844 | .11512 | 37.275  | .04909 | 1.5829 | 1.2486 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.3790 | 41.319 | .19719 | -.00217 | 3.2592 | .27215 | 1.4023 |
| #2 | 4.4306 | 41.558 | .19751 | -.00371 | 3.2615 | .27831 | 1.3778 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.824 | .00163 | .03155 | 1.8258 | 6.7072 | .05523 | 1.7704 |
| Stddev | .048   | .00007 | .00038 | .0028  | .0506  | .00043 | .0001  |
| %RSD   | .37144 | 4.3747 | 1.1910 | .15417 | .75500 | .76988 | .00459 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.790 | .00168 | .03182 | 1.8238 | 6.7430 | .05554 | 1.7705 |
| #2 | 12.857 | .00158 | .03129 | 1.8278 | 6.6714 | .05493 | 1.7704 |

Sample Name: J6453-01      Acquired: 12/18/2018 20:27:26      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SS-SOIL      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .21340 | 7.483  | -.02977 | 1.2291 | F<.00000 |
| Stddev | .00022 | .035   | .00413  | .1483  | .76272   |
| %RSD   | .10255 | .4695  | 13.870  | 12.065 | 1.3852   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .21325 | 7.508 | -.03269 | 1.1242 | -54.523 |
| #2 | .21356 | 7.458 | -.02685 | 1.3339 | -55.601 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3389.4 | 46276. | 4357.9 | 89.812 | 3287.4 |
| Stddev    | .5     | 362.   | 3.1    | .802   | 4.0    |
| %RSD      | .01470 | .78194 | .07064 | .89348 | .12112 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3389.8 | 46532. | 4360.1 | 89.244 | 3290.2 |
| #2 | 3389.1 | 46020. | 4355.7 | 90.379 | 3284.6 |

Sample Name: J6461-01      Acquired: 12/18/2018 20:31:19      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NCC-KEARNY-T      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .15704 | -.00344 | 1.4388 | -.01446 | .00875 | 109.80 | .73753 |
| Stddev | .00007 | .00031  | .0041  | .00191  | .00067 | .46    | .00275 |
| %RSD   | .04259 | 8.9118  | .28736 | 13.209  | 7.6419 | .41635 | .37256 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .15708 | -.00322 | 1.4359 | -.01311 | .00828 | 110.12 | .73947 |
| #2 | .15699 | -.00366 | 1.4417 | -.01581 | .00923 | 109.48 | .73558 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00466 | .00081 | 24.813 | .18771 | .05054 | .40775 | 154.44 |
| Stddev | .00013 | .00048 | .007   | .00159 | .00018 | .00338 | 3.86   |
| %RSD   | 2.8579 | 59.360 | .02736 | .84921 | .36264 | .82840 | 2.5010 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00476 | .00047 | 24.818 | .18884 | .05067 | .40536 | 157.17 |
| #2 | .00457 | .00115 | 24.809 | .18658 | .05041 | .41014 | 151.71 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.5754 | 21.008 | .15083 | -.00099 | 1.8572 | .28929 | 1.2429 |
| Stddev | .0144  | .188   | .00072 | .00007  | .0062  | .00073 | .0367  |
| %RSD   | .91577 | .89611 | .47804 | 7.5642  | .33585 | .25388 | 2.9514 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.5856 | 20.875 | .15032 | -.00093 | 1.8616 | .28981 | 1.2688 |
| #2 | 1.5652 | 21.141 | .15134 | -.00104 | 1.8528 | .28877 | 1.2170 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.5255 | .00475 | -.01056 | 4.6417 | 3.0712 | .06114 | 1.1193 |
| Stddev | .0254  | .00032 | .02427  | .0077  | .0169  | .00053 | .0015  |
| %RSD   | .38978 | 6.7202 | 229.92  | .16623 | .54987 | .86407 | .13787 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 6.5435 | .00498 | .00661  | 4.6362 | 3.0832 | .06152 | 1.1204 |
| #2 | 6.5075 | .00453 | -.02772 | 4.6471 | 3.0593 | .06077 | 1.1182 |



Sample Name: J6461-01      Acquired: 12/18/2018 20:31:19      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: NCC-KEARNY-T      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |        |          |
|--------|--------|---------|---------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm      |
| Avg    | .09539 | F 10.37 | -.03592 | 1.5867 | F<.00000 |
| Stddev | .00196 | .05     | .00410  | .1868  | .00526   |
| %RSD   | 2.0506 | .4470   | 11.406  | 11.774 | .02489   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .09401 | 10.34 | -.03882 | 1.7187 | -21.144 |
| #2 | .09678 | 10.40 | -.03303 | 1.4546 | -21.136 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3379.8 | 46636. | 4292.4 | 91.994 | 3464.8 |
| Stddev    | 4.7    | 363.   | 19.0   | 2.822  | 3.9    |
| %RSD      | .13913 | .77928 | .44352 | 3.0670 | .11356 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3383.1 | 46379. | 4278.9 | 89.999 | 3467.6 |
| #2 | 3376.5 | 46893. | 4305.8 | 93.990 | 3462.1 |

Sample Name: J6464-01      Acquired: 12/18/2018 20:35:12      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 290-RT4008-R      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .14860 | -.00937 | .93661 | -.03401 | .01502 | 84.079 | 4.3830 |
| Stddev | .00296 | .00072  | .00128 | .00236  | .00168 | .126   | .0055  |
| %RSD   | 1.9930 | 7.6406  | .13613 | 6.9281  | 11.163 | .14962 | .12616 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .14651 | -.00886 | .93751 | -.03234 | .01621 | 83.990 | 4.3791 |
| #2 | .15069 | -.00988 | .93571 | -.03567 | .01383 | 84.168 | 4.3869 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00540 | -.00122 | 258.02 | .24741 | .11877 | .71881 | 345.45 |
| Stddev | .00011 | .00058  | 2.26   | .00264 | .00141 | .00690 | 2.81   |
| %RSD   | 1.9687 | 47.771  | .87764 | 1.0657 | 1.1845 | .95946 | .81200 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00533 | -.00081 | 256.42 | .24928 | .11977 | .72369 | 343.47 |
| #2 | .00548 | -.00164 | 259.62 | .24555 | .11778 | .71394 | 347.44 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.1474 | 131.84 | .21357 | -.00663 | 2.9327 | .34827 | 1.3348 |
| Stddev | .0025  | .28    | .00170 | .00002  | .0052  | .00110 | .0082  |
| %RSD   | .07917 | .21166 | .79426 | .33010  | .17587 | .31543 | .61100 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.1456 | 131.64 | .21477 | -.00665 | 2.9290 | .34749 | 1.3291 |
| #2 | 3.1492 | 132.03 | .21237 | -.00662 | 2.9363 | .34905 | 1.3406 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.050 | .01095 | .09365 | F 10.673 | 2.2964 | .13111 | 3.4826 |
| Stddev | .060   | .00024 | .02439 | .048     | .0032  | .00066 | .0087  |
| %RSD   | .59568 | 2.2239 | 26.046 | .45198   | .14168 | .50337 | .25071 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.008 | .01112 | .07640 | 10.707 | 2.2941 | .13158 | 3.4765 |
| #2 | 10.092 | .01078 | .11090 | 10.639 | 2.2987 | .13064 | 3.4888 |

Sample Name: J6464-01      Acquired: 12/18/2018 20:35:12      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 290-RT4008-R      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .13637 | 8.179  | .10251 | 1.3671 | F<.00000 |
| Stddev | .00305 | .045   | .00031 | .2353  | .55884   |
| %RSD   | 2.2369 | .5530  | .30271 | 17.213 | .62615   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .13422 | 8.211 | .10229 | 1.5335 | -88.854 |
| #2 | .13853 | 8.147 | .10273 | 1.2007 | -89.644 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3199.4 | 43899. | 4210.1 | 87.447 | 3085.7 |
| Stddev    | 14.7   | 171.   | 4.8    | .479   | 3.7    |
| %RSD      | .45849 | .39037 | .11477 | .54810 | .12107 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3189.0 | 43778. | 4213.5 | 87.785 | 3083.0 |
| #2 | 3209.8 | 44021. | 4206.7 | 87.108 | 3088.3 |

Sample Name: J6464-04      Acquired: 12/18/2018 20:39:04      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: VB16202      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05597 | -.01846 | .17327 | -.00280 | .01167 | 75.292 | 1.5942 |
| Stddev | .00180 | .00050  | .00207 | .00201  | .00142 | .282   | .0031  |
| %RSD   | 3.2168 | 2.7306  | 1.1952 | 71.746  | 12.178 | .37509 | .19459 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .05725 | -.01882 | .17181 | -.00138 | .01066 | 75.092 | 1.5964 |
| #2 | .05470 | -.01810 | .17474 | -.00422 | .01267 | 75.492 | 1.5920 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00616 | -.00588 | 154.24 | .25432 | .10914 | .16907 | 664.66 |
| Stddev | .00016 | .00068  | .52    | .00031 | .00045 | .00081 | 7.70   |
| %RSD   | 2.5860 | 11.570  | .33894 | .12291 | .41542 | .48189 | 1.1585 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00605 | -.00636 | 153.87 | .25454 | .10946 | .16850 | 670.10 |
| #2 | .00627 | -.00540 | 154.61 | .25410 | .10882 | .16965 | 659.21 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3358 | 51.185 | .19140 | .01278 | 3.8742 | .25847 | 1.0601 |
| Stddev | .0036  | .110   | .00297 | .00079 | .0144  | .00084 | .0178  |
| %RSD   | .15184 | .21546 | 1.5514 | 6.1508 | .37225 | .32673 | 1.6774 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3383 | 51.263 | .19350 | .01334 | 3.8844 | .25787 | 1.0727 |
| #2 | 2.3333 | 51.107 | .18930 | .01222 | 3.8640 | .25907 | 1.0475 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 22.037 | .02155 | .26490 | 6.7902 | 8.2306 | .03067 | 5.5048 |
| Stddev | .022   | .00038 | .01085 | .0361  | .0360  | .00035 | .0060  |
| %RSD   | .09785 | 1.7768 | 4.0945 | .53209 | .43774 | 1.1536 | .10827 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 22.052 | .02182 | .27257 | 6.8158 | 8.2052 | .03092 | 5.5090 |
| #2 | 22.022 | .02128 | .25723 | 6.7647 | 8.2561 | .03042 | 5.5006 |

Sample Name: J6464-04      Acquired: 12/18/2018 20:39:04      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: VB16202      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .09400 | F 13.44 | -.42393 | <.00000 | F<.00000 |
| Stddev | .00044 | .07     | .00916  | .12865  | .21789   |
| %RSD   | .47044 | .5035   | 2.1612  | 2.0443  | .09569   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .09369 | 13.49 | -.43041 | -6.2021 | -227.55 |
| #2 | .09431 | 13.39 | -.41746 | -6.3840 | -227.86 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4363.8 | 60388. | 5778.6 | 86.002 | 3041.3 |
| Stddev    | 12.2   | 102.   | 13.2   | 1.317  | 8.5    |
| %RSD      | .27968 | .16941 | .22808 | 1.5308 | .28044 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4355.2 | 60315. | 5769.3 | 85.071 | 3035.3 |
| #2 | 4372.5 | 60460. | 5787.9 | 86.933 | 3047.4 |

Sample Name: CCV10      Acquired: 12/18/2018 20:42:56      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14370      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0838 | 4.9377 | 5.0321 | 4.9521 | 5.0560 | 10.344 | 9.9859 | .26122 |
| Stddev | .0058  | .0083  | .0142  | .0195  | .0134  | .345   | .0311  | .00932 |
| %RSD   | .11441 | .16836 | .28229 | .39381 | .26443 | 3.3367 | .31170 | 3.5692 |
| #1     | 5.0796 | 4.9319 | 5.0221 | 4.9383 | 5.0466 | 10.099 | 10.008 | .25462 |
| #2     | 5.0879 | 4.9436 | 5.0422 | 4.9658 | 5.0655 | 10.588 | 9.9639 | .26781 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4769 | 25.751 | 1.0566 | 2.4874 | 1.2717 | 4.8980 | 2.6307 | 25.036 |
| Stddev | .0065  | .117   | .0405  | .0098  | .0047  | .0464  | .0989  | .042   |
| %RSD   | .26169 | .45377 | 3.8366 | .39269 | .36959 | .94630 | 3.7613 | .16944 |
| #1     | 2.4723 | 25.833 | 1.0279 | 2.4805 | 1.2684 | 4.8652 | 2.5607 | 25.006 |
| #2     | 2.4815 | 25.668 | 1.0853 | 2.4944 | 1.2750 | 4.9308 | 2.7006 | 25.066 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4485 | 1.2687 | 24.259 | 2.5150 | 2.5666 | 24.658 | 4.9889 | 5.0122 |
| Stddev | .0066  | .0465  | .075   | .0994  | .0039  | .065   | .0076  | .0166  |
| %RSD   | .27063 | 3.6635 | .30855 | 3.9508 | .15234 | .26300 | .15184 | .33161 |
| #1     | 2.4438 | 1.2358 | 24.312 | 2.4447 | 2.5638 | 24.704 | 4.9835 | 5.0005 |
| #2     | 2.4532 | 1.3015 | 24.206 | 2.5852 | 2.5694 | 24.612 | 4.9942 | 5.0240 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7090 | 5.1244 | 4.8567 | 5.0261 | 4.9111 | 4.890  | 5.1651 | 4.5237 |
| Stddev | .0067  | .0096  | .0096  | .0170  | .0152  | .014   | .0365  | .3728  |
| %RSD   | .14188 | .18792 | .19776 | .33885 | .30970 | .2913  | .70698 | 8.2410 |
| #1     | 4.7043 | 5.1176 | 4.8499 | 5.0381 | 4.9219 | 4.879  | 5.1910 | 4.2601 |
| #2     | 4.7137 | 5.1312 | 4.8635 | 5.0140 | 4.9004 | 4.900  | 5.1393 | 4.7873 |

Sample Name: CCV10      Acquired: 12/18/2018 20:42:56      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14370      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.0108  
Stddev      .1819  
%RSD      6.0427

#1      2.8821  
#2      3.1394

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3022.7 | 40175. | 3736.6 | 90.172 | 3339.7 |
| Stddev    | .6     | 1234.  | 19.2   | .036   | 4.1    |
| %RSD      | .01955 | 3.0718 | .51400 | .04034 | .12281 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3023.1 | 41048. | 3723.0 | 90.197 | 3342.6 |
| #2 | 3022.3 | 39303. | 3750.2 | 90.146 | 3336.8 |

Sample Name: CCB10      Acquired: 12/18/2018 20:46:42      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14370      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |         |        |         |        |
|--------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00016 | .00167 | .00055 | -.00128 | .00159 | -.00035 | .00211 |
| Stddev | .00021  | .00022 | .00080 | .00062  | .00010 | .01282  | .00061 |
| %RSD   | 128.34  | 13.012 | 145.87 | 48.714  | 6.0426 | 3637.0  | 28.768 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.00001 | .00183 | .00111  | -.00084 | .00152 | .00871  | .00254 |
| #2 | -.00031 | .00152 | -.00002 | -.00172 | .00166 | -.00942 | .00168 |

|        |        |         |         |        |         |         |         |
|--------|--------|---------|---------|--------|---------|---------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00011 | -.00001 | -.01065 | .00001 | -.00017 | -.00236 | -.00485 |
| Stddev | .00005 | .00004  | .02251  | .00043 | .00003  | .00006  | .00358  |
| %RSD   | 41.196 | 729.00  | 211.46  | 3998.2 | 19.071  | 2.5605  | 73.734  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00014 | -.00003 | -.02656 | .00031  | -.00015 | -.00240 | -.00738 |
| #2 | .00008 | .00002  | .00527  | -.00029 | -.00019 | -.00232 | -.00232 |

|        |         |         |         |        |         |        |         |
|--------|---------|---------|---------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00009 | -.01734 | -.00046 | .00031 | -.17662 | .00031 | -.00106 |
| Stddev | .00002  | .02251  | .00033  | .00013 | .00123  | .00063 | .00010  |
| %RSD   | 26.331  | 129.82  | 70.532  | 40.812 | .69382  | 202.39 | 9.0832  |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00007 | -.03326 | -.00069 | .00022 | -.17575 | -.00014 | -.00100 |
| #2 | -.00010 | -.00142 | -.00023 | .00040 | -.17748 | .00076  | -.00113 |

|        |         |        |         |           |        |         |        |
|--------|---------|--------|---------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.05743 | .00032 | -.00196 | F -.01006 | .00431 | -.00051 | .00281 |
| Stddev | .00967  | .00015 | .01197  | .00157    | .00074 | .00013  | .00054 |
| %RSD   | 16.847  | 47.923 | 611.35  | 15.600    | 17.151 | 25.050  | 19.212 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.06427 | .00043 | -.01042 | -.00895 | .00484 | -.00060 | .00242 |
| #2 | -.05059 | .00021 | .00650  | -.01117 | .00379 | -.00042 | .00319 |



Sample Name: CCB10      Acquired: 12/18/2018 20:46:42      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14370      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00139 | -.0006 | .00022 | F 3.2427 | F .89431 |
| Stddev | .00093  | .0012  | .00000 | .2210    | .06796   |
| %RSD   | 67.000  | 194.0  | 1.1754 | 6.8158   | 7.5997   |

|    |         |        |        |        |        |
|----|---------|--------|--------|--------|--------|
| #1 | -.00205 | .0002  | .00022 | 3.0864 | .94237 |
| #2 | -.00073 | -.0015 | .00022 | 3.3990 | .84625 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3168.6 | 43137. | 3752.7 | 93.950 | 3849.0 |
| Stddev    | 2.2    | 57.    | 10.2   | 1.509  | 10.0   |
| %RSD      | .06786 | .13194 | .27099 | 1.6056 | .26060 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3167.1 | 43178. | 3759.9 | 92.883 | 3841.9 |
| #2 | 3170.1 | 43097. | 3745.5 | 95.017 | 3856.1 |

Sample Name: J6195-10      Acquired: 12/18/2018 20:50:47      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-121718      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00105 | -.00131 | .00683 | .00031 | -.00043 | .11657 | .10043 | .00014 |
| Stddev | .00202  | .00041  | .00005 | .00016 | .00036  | .01678 | .00014 | .00003 |
| %RSD   | 192.61  | 31.341  | .75475 | 51.688 | 83.319  | 14.393 | .13900 | 18.570 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00248 | -.00102 | .00687 | .00043 | -.00068 | .12844 | .10053 | .00012 |
| #2 | .00038  | -.00160 | .00680 | .00020 | -.00018 | .10471 | .10033 | .00016 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00001 | 16.618 | .00076 | .00361 | .00102 | .78662 | .59081 | 1.8046 |
| Stddev | .00005 | .139   | .00030 | .00017 | .00009 | .01038 | .00067 | .0203  |
| %RSD   | 782.32 | .83626 | 39.133 | 4.7890 | 8.4673 | 1.3191 | .11263 | 1.1238 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00003 | 16.520 | .00097 | .00349 | .00096 | .79396 | .59034 | 1.7903 |
| #2 | .00004  | 16.716 | .00055 | .00374 | .00108 | .77928 | .59128 | 1.8190 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00283 | -.00014 | 395.10 | .00028 | .02353 | .57680 | .00012 | .00529 |
| Stddev | .00088 | .00090  | 1.37   | .00041 | .00008 | .00650 | .00034 | .00766 |
| %RSD   | 31.262 | 648.86  | .34566 | 146.17 | .33514 | 1.1272 | 285.38 | 144.89 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00220 | .00050  | 394.13 | -.00001 | .02347 | .57221 | -.00012 | -.00013 |
| #2 | .00345 | -.00077 | 396.07 | .00057  | .02358 | .58140 | .00036  | .01071  |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .13402 | .53398 | -.00011 | .00262 | -.00360 | .0028  | .06231 | 4.4675 |
| Stddev | .00641 | .00399 | .00006  | .00081 | .00130  | .0006  | .00049 | .0834  |
| %RSD   | 4.7817 | .74756 | 55.098  | 31.019 | 36.204  | 22.11  | .78001 | 1.8679 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | .12949 | .53681 | -.00016 | .00319 | -.00453 | .0024 | .06196 | 4.5265 |
| #2 | .13855 | .53116 | -.00007 | .00204 | -.00268 | .0032 | .06265 | 4.4085 |

Sample Name: J6195-10      Acquired: 12/18/2018 20:50:47      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-121718      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.4784 |
| Stddev | .4924  |
| %RSD   | 19.867 |

|    |        |
|----|--------|
| #1 | 2.8266 |
| #2 | 2.1303 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2991.8 | 40086. | 3797.7 | 92.262 | 3268.9 |
| Stddev    | 5.6    | 119.   | 27.6   | .607   | 3.4    |
| %RSD      | .18761 | .29806 | .72625 | .65783 | .10502 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2987.9 | 40002. | 3817.2 | 92.692 | 3266.5 |
| #2 | 2995.8 | 40171. | 3778.2 | 91.833 | 3271.3 |

Sample Name: J6195-10DUP      Acquired: 12/18/2018 20:54:57      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-121718      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00115 | -.00149 | .00808 | -.00200 | .00052 | .10730 | .10098 | .00017 |
| Stddev | .00220  | .00028  | .00023 | .00214  | .00161 | .00563 | .00148 | .00007 |
| %RSD   | 190.72  | 18.748  | 2.7890 | 106.76  | 313.15 | 5.2480 | 1.4642 | 38.823 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00040  | -.00129 | .00793 | -.00049 | -.00063 | .10332 | .09993 | .00022 |
| #2 | -.00270 | -.00169 | .00824 | -.00351 | .00166  | .11128 | .10202 | .00012 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00002 | 16.570 | .00052 | .00374 | .00074 | .77907 | .59106 | 1.9012 |
| Stddev | .00002  | .163   | .00023 | .00015 | .00042 | .01248 | .00113 | .0272  |
| %RSD   | 140.13  | .98646 | 43.554 | 3.9263 | 56.639 | 1.6017 | .19038 | 1.4325 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00003 | 16.454 | .00068 | .00384 | .00104 | .78789 | .59026 | 1.8819 |
| #2 | -.00000 | 16.685 | .00036 | .00363 | .00045 | .77025 | .59185 | 1.9204 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00332 | .00004 | 394.12 | .00087 | .02340 | .63482 | -.00002 | .01105 |
| Stddev | .00029 | .00036 | 2.62   | .00021 | .00035 | .05121 | .00041  | .00321 |
| %RSD   | 8.8007 | 916.38 | .66389 | 24.609 | 1.4862 | 8.0671 | 1898.4  | 29.006 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00353 | .00029  | 392.27 | .00102 | .02365 | .67103 | .00027  | .01332 |
| #2 | .00311 | -.00022 | 395.97 | .00072 | .02315 | .59861 | -.00031 | .00878 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .13301 | .53319 | -.00077 | .00089 | -.00042 | .0031  | .06197 | 4.3441 |
| Stddev | .00164 | .00012 | .00097  | .00069 | .00037  | .0005  | .00072 | .1531  |
| %RSD   | 1.2326 | .02273 | 125.84  | 78.221 | 88.692  | 16.52  | 1.1646 | 3.5235 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | .13185 | .53311 | -.00145 | .00137 | -.00016 | .0034 | .06146 | 4.2359 |
| #2 | .13417 | .53328 | -.00008 | .00040 | -.00069 | .0027 | .06248 | 4.4523 |

Sample Name: J6195-10DUP      Acquired: 12/18/2018 20:54:57      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-121718 Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.4238  
Stddev      .1779  
%RSD      7.3377

#1      2.5496  
#2      2.2981

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2998.3 | 40176. | 3804.2 | 92.963 | 3276.6 |
| Stddev    | 6.5    | 75.    | 1.8    | 1.314  | 3.4    |
| %RSD      | .21821 | .18649 | .04723 | 1.4135 | .10350 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3003.0 | 40229. | 3805.5 | 92.033 | 3279.0 |
| #2 | 2993.7 | 40123. | 3803.0 | 93.892 | 3274.2 |

Sample Name: J6195-10LX5      Acquired: 12/18/2018 20:59:07      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7814      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |         |
|--------|--------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00005 | -.00020 | .00131 | -.00355 | .00086 | .02181 | .02198 | -.00001 |
| Stddev | .00036 | .00061  | .00087 | .00420  | .00109 | .01660 | .00026 | .00002  |
| %RSD   | 798.49 | 308.88  | 66.445 | 118.12  | 126.67 | 76.125 | 1.1612 | 298.77  |

|    |         |         |        |         |        |        |        |         |
|----|---------|---------|--------|---------|--------|--------|--------|---------|
| #1 | -.00021 | .00023  | .00070 | -.00652 | .00009 | .01007 | .02216 | -.00003 |
| #2 | .00030  | -.00063 | .00193 | -.00059 | .00163 | .03355 | .02180 | .00001  |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 3.3865 | -.00012 | .00066 | -.00150 | .17059 | .12224 | .38536 |
| Stddev | .00009  | .0078  | .00004  | .00010 | .00022  | .00584 | .00059 | .01762 |
| %RSD   | 133.36  | .23051 | 36.725  | 15.461 | 14.755  | 3.4251 | .48032 | 4.5727 |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | -.00000 | 3.3920 | -.00009 | .00059 | -.00165 | .16646 | .12183 | .37290 |
| #2 | -.00013 | 3.3809 | -.00015 | .00074 | -.00134 | .17473 | .12266 | .39782 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00023 | -.00017 | 82.156 | .00034 | .00375 | .14361 | .00013 | .00001 |
| Stddev | .00016  | .00035  | .261   | .00028 | .00021 | .04668 | .00004 | .01006 |
| %RSD   | 69.045  | 211.83  | .31758 | 83.513 | 5.6370 | 32.502 | 31.239 | 96077. |

|    |         |         |        |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|--------|---------|
| #1 | -.00034 | -.00042 | 81.971 | .00014 | .00360 | .11061 | .00016 | -.00710 |
| #2 | -.00012 | .00008  | 82.340 | .00054 | .00389 | .17662 | .00010 | .00712  |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01640 | .11674 | -.00149 | .00258 | -.00136 | .0007  | .01268 | 3.1861 |
| Stddev | .00181 | .00114 | .00028  | .00004 | .00091  | .0001  | .00009 | .0087  |
| %RSD   | 11.058 | .98020 | 18.766  | 1.5649 | 66.856  | 16.67  | .74685 | .27218 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | .01768 | .11755 | -.00169 | .00260 | -.00200 | .0008 | .01261 | 3.1799 |
| #2 | .01511 | .11593 | -.00130 | .00255 | -.00072 | .0006 | .01275 | 3.1922 |

Sample Name: J6195-10LX5      Acquired: 12/18/2018 20:59:07      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7814      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.6522 |
| Stddev | .1301  |
| %RSD   | 7.8746 |

|    |        |
|----|--------|
| #1 | 1.7442 |
| #2 | 1.5602 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3091.5 | 42635. | 3833.9 | 92.702 | 3537.6 |
| Stddev    | 5.3    | 92.    | 7.3    | .103   | 1.7    |
| %RSD      | .17262 | .21566 | .19095 | .11065 | .04834 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3087.7 | 42700. | 3828.7 | 92.630 | 3536.4 |
| #2 | 3095.3 | 42570. | 3839.1 | 92.775 | 3538.8 |

Sample Name: J6195-10MS      Acquired: 12/18/2018 21:03:12      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-121718      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    | .82931 | 1.8800 | .99616 | 2.0420 | .80551 | 2.2612 | .32377 | .20840 | .20145 |
| Stddev | .00068 | .0003  | .00148 | .0085  | .00171 | .0040  | .00244 | .00066 | .00020 |
| %RSD   | .08239 | .01323 | .14873 | .41792 | .21168 | .17679 | .75440 | .31483 | .10171 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82883 | 1.8798 | .99720 | 2.0360 | .80672 | 2.2584 | .32204 | .20793 | .20160 |
| #2 | .82979 | 1.8802 | .99511 | 2.0480 | .80431 | 2.2641 | .32549 | .20886 | .20131 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 19.851 | .43031 | .20991 | .30513 | 3.9926 | .87063 | 4.1054 | .50877 | .07250 |
| Stddev | .243   | .00139 | .00022 | .00045 | .2093  | .00303 | .0239  | .00143 | .00076 |
| %RSD   | 1.2224 | .32222 | .10364 | .14787 | 5.2414 | .34807 | .58312 | .28051 | 1.0423 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 19.680 | .42933 | .21007 | .30481 | 4.1406 | .86849 | 4.1223 | .50978 | .07197 |
| #2 | 20.023 | .43129 | .20976 | .30545 | 3.8446 | .87277 | 4.0885 | .50777 | .07304 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 447.67 | .31596 | .23584 | 11.502 | .40175 | .30829 | .14594 | 1.5197 | .66548 |
| Stddev | 1.84   | .00083 | .01006 | .119   | .00105 | .00123 | .00123 | .0245  | .00306 |
| %RSD   | .41150 | .26248 | 4.2668 | 1.0378 | .26027 | .40032 | .83985 | 1.6119 | .46033 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 448.97 | .31654 | .24296 | 11.418 | .40101 | .30916 | .14508 | 1.5024 | .66764 |
| #2 | 446.37 | .31537 | .22872 | 11.587 | .40249 | .30742 | .14681 | 1.5371 | .66331 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19966 | .21126 | 5.912  | .27320 | 4.4159 | 1.7643 |
| Stddev | .00244 | .00080 | .001   | .00284 | .0708  | .0703  |
| %RSD   | 1.2212 | .37671 | .0209  | 1.0392 | 1.6024 | 3.9838 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .19793 | .21183 | 5.911 | .27119 | 4.3659 | 1.7146 |
| #2 | .20138 | .21070 | 5.913 | .27521 | 4.4660 | 1.8140 |



Sample Name: J6195-10MS      Acquired: 12/18/2018 21:03:12      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-121718 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       | 2964.8 | 39917. | 3721.1 | 89.459 | 3229.8 |
| Stddev    | 3.6    | 118.   | 29.8   | 4.047  | 11.9   |
| %RSD      | .12265 | .29665 | .79962 | 4.5240 | .36983 |
| #1        | 2962.2 | 40001. | 3742.2 | 86.597 | 3221.3 |
| #2        | 2967.3 | 39833. | 3700.1 | 92.321 | 3238.2 |

Sample Name: J6195-10MSD      Acquired: 12/18/2018 21:07:10      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-121718      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    | .81746 | 1.8753 | .98972 | 2.0298 | .79564 | 2.2783 | .33351 | .20860 | .20090 |
| Stddev | .00145 | .0027  | .00029 | .0095  | .00115 | .0233  | .00959 | .00257 | .00016 |
| %RSD   | .17797 | .14487 | .02953 | .46728 | .14434 | 1.0250 | 2.8765 | 1.2298 | .07949 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81643 | 1.8772 | .98993 | 2.0365 | .79483 | 2.2618 | .32673 | .20679 | .20101 |
| #2 | .81849 | 1.8734 | .98952 | 2.0231 | .79645 | 2.2948 | .34029 | .21041 | .20078 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 20.264 | .42865 | .20876 | .30351 | 4.0948 | .87165 | 4.2564 | .50626 | .07276 |
| Stddev | .689   | .00378 | .00003 | .00010 | .0533  | .01180 | .1274  | .00026 | .00033 |
| %RSD   | 3.4019 | .88171 | .01366 | .03183 | 1.3021 | 1.3532 | 2.9929 | .05181 | .44870 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 19.777 | .42598 | .20874 | .30344 | 4.0571 | .86331 | 4.1664 | .50645 | .07253 |
| #2 | 20.752 | .43132 | .20878 | .30357 | 4.1325 | .87999 | 4.3465 | .50608 | .07299 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 441.87 | .31919 | .23933 | 11.835 | .39990 | .30896 | .14541 | 1.5385 | .66328 |
| Stddev | 4.15   | .00435 | .00438 | .348   | .00000 | .00980 | .00596 | .0623  | .00368 |
| %RSD   | .94008 | 1.3630 | 1.8301 | 2.9395 | .00112 | 3.1730 | 4.0988 | 4.0514 | .55499 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 438.94 | .31611 | .23623 | 11.589 | .39990 | .31589 | .14120 | 1.4944 | .66589 |
| #2 | 444.81 | .32227 | .24242 | 12.081 | .39991 | .30203 | .14963 | 1.5826 | .66068 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21080 | .21845 | 5.904  | .27800 | 4.2526 | 1.6668 |
| Stddev | .00317 | .00773 | .000   | .00985 | .0365  | .1681  |
| %RSD   | 1.5041 | 3.5363 | .0030  | 3.5414 | .85752 | 10.083 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .20856 | .21299 | 5.904 | .27104 | 4.2268 | 1.7857 |
| #2 | .21304 | .22392 | 5.904 | .28496 | 4.2783 | 1.5480 |

Sample Name: J6195-10MSD      Acquired: 12/18/2018 21:07:10      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OR-03-121718 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       | 3011.2 | 39927. | 3668.8 | 88.753 | 3264.9 |
| Stddev    | 9.6    | 275.   | 109.8  | 1.439  | 7.6    |
| %RSD      | .31757 | .68824 | 2.9929 | 1.6207 | .23154 |
| #1        | 3004.5 | 40122. | 3746.4 | 89.770 | 3259.5 |
| #2        | 3018.0 | 39733. | 3591.1 | 87.736 | 3270.2 |

Sample Name: J6195-10A      Acquired: 12/18/2018 21:11:07      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7814      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    | .80966 | 1.8560 | .97960 | 2.0130 | .78844 | 2.2386 | .32180 | .20729 | .19843 |
| Stddev | .01177 | .0356  | .01846 | .0270  | .01307 | .0390  | .00101 | .00241 | .00436 |
| %RSD   | 1.4540 | 1.9170 | 1.8845 | 1.3422 | 1.6577 | 1.7440 | .31280 | 1.1627 | 2.1965 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80133 | 1.8308 | .96654 | 1.9939 | .77920 | 2.2110 | .32109 | .20558 | .19535 |
| #2 | .81798 | 1.8812 | .99265 | 2.0321 | .79768 | 2.2662 | .32252 | .20899 | .20151 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 19.673 | .42655 | .20624 | .30038 | 3.9316 | .86671 | 4.1329 | .50011 | .07306 |
| Stddev | .295   | .00283 | .00426 | .00502 | .0022  | .00937 | .0756  | .01021 | .00099 |
| %RSD   | 1.5019 | .66354 | 2.0644 | 1.6700 | .05688 | 1.0807 | 1.8293 | 2.0409 | 1.3593 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 19.464 | .42455 | .20323 | .29683 | 3.9332 | .86008 | 4.0795 | .49289 | .07236 |
| #2 | 19.881 | .42856 | .20925 | .30393 | 3.9300 | .87333 | 4.1864 | .50732 | .07376 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 443.37 | .31611 | .22994 | 11.479 | .39723 | .29110 | .14194 | 1.5070 | .65639 |
| Stddev | 5.06   | .00403 | .00157 | .064   | .00573 | .00147 | .00309 | .0175  | .01324 |
| %RSD   | 1.1403 | 1.2753 | .68395 | .55838 | 1.4413 | .50476 | 2.1770 | 1.1604 | 2.0178 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 439.80 | .31326 | .23105 | 11.434 | .39318 | .29007 | .13975 | 1.4946 | .64703 |
| #2 | 446.95 | .31896 | .22883 | 11.524 | .40128 | .29214 | .14412 | 1.5193 | .66576 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20138 | .21209 | 5.837  | .27132 | 4.1777 | 1.4619 |
| Stddev | .00227 | .00152 | .114   | .00124 | .0652  | .0948  |
| %RSD   | 1.1275 | .71802 | 1.954  | .45751 | 1.5616 | 6.4830 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .20299 | .21102 | 5.757 | .27045 | 4.1316 | 1.3949 |
| #2 | .19978 | .21317 | 5.918 | .27220 | 4.2239 | 1.5290 |

Sample Name: J6195-10A      Acquired: 12/18/2018 21:11:07      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7814      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       | 3030.3 | 40293. | 3743.9 | 91.590 | 3292.8 |
| Stddev    | 33.9   | 319.   | 11.4   | 1.081  | 48.5   |
| %RSD      | 1.1178 | .79154 | .30388 | 1.1805 | 1.4732 |
| #1        | 3054.3 | 40519. | 3751.9 | 90.825 | 3327.1 |
| #2        | 3006.4 | 40068. | 3735.9 | 92.354 | 3258.5 |

Sample Name: J6453-03      Acquired: 12/18/2018 21:15:05      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SS-SOIL      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00289 | -.00214 | .01138 | .00520 | .00050 | .06874 | .21958 | .00012 |
| Stddev | .00026  | .00002  | .00002 | .00185 | .00082 | .01803 | .00017 | .00006 |
| %RSD   | 9.0830  | .87539  | .21321 | 35.632 | 164.61 | 26.225 | .07934 | 48.295 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00271 | -.00212 | .01136 | .00389 | -.00008 | .08148 | .21945 | .00008 |
| #2 | -.00308 | -.00215 | .01139 | .00651 | .00108  | .05599 | .21970 | .00016 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00054 | 49.806 | -.00028 | .00240 | .01430 | .00670 | .88755 | 1.7124 |
| Stddev | .00008 | .001   | .00008  | .00016 | .00029 | .00785 | .03988 | .0476  |
| %RSD   | 15.413 | .00147 | 29.894  | 6.6904 | 2.0531 | 117.20 | 4.4938 | 2.7819 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00060 | 49.807 | -.00033 | .00252 | .01451 | .01225 | .91575 | 1.7461 |
| #2 | .00048 | 49.806 | -.00022 | .00229 | .01409 | .00115 | .85935 | 1.6787 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00266 | .00016 | 419.42 | .00028 | .04976 | .73533 | .00012 | .00175 |
| Stddev | .00003 | .00012 | .24    | .00028 | .00109 | .00204 | .00003 | .00008 |
| %RSD   | 1.0495 | 74.123 | .05696 | 100.91 | 2.1813 | .27722 | 23.604 | 4.3456 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00264 | .00025 | 419.59 | .00008 | .05053 | .73677 | .00014 | .00180 |
| #2 | .00268 | .00008 | 419.25 | .00048 | .04899 | .73389 | .00010 | .00169 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17296 | 1.1073 | -.00029 | .00086 | .00359 | .0173  | .15117 | 4.0796 |
| Stddev | .00389 | .0114  | .00069  | .00106 | .00016 | .0006  | .00115 | .6513  |
| %RSD   | 2.2501 | 1.0253 | 234.44  | 123.40 | 4.3275 | 3.194  | .76268 | 15.965 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .17021 | 1.1154 | -.00078 | .00011 | .00348 | .0177 | .15035 | 4.5402 |
| #2 | .17571 | 1.0993 | .00019  | .00161 | .00370 | .0170 | .15198 | 3.6191 |

Sample Name: J6453-03      Acquired: 12/18/2018 21:15:05      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SS-SOIL      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.2539 |
| Stddev | .0149  |
| %RSD   | .45901 |

|    |        |
|----|--------|
| #1 | 3.2433 |
| #2 | 3.2644 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3004.6 | 40958. | 3794.5 | 92.403 | 3267.3 |
| Stddev    | 28.6   | 1652.  | 14.4   | 1.549  | 35.3   |
| %RSD      | .95128 | 4.0330 | .37844 | 1.6761 | 1.0789 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2984.4 | 39790. | 3784.3 | 91.308 | 3242.4 |
| #2 | 3024.9 | 42126. | 3804.6 | 93.499 | 3292.3 |

Sample Name: J6462-01      Acquired: 12/18/2018 21:19:15      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OILY-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    | -.00315 | -.00298 | .00070 | .00205 | -.00019 | .12848 | .23267 | .00021 |
| Stddev | .00120  | .00005  | .00127 | .00191 | .00203  | .00021 | .00667 | .00008 |
| %RSD   | 38.117  | 1.7312  | 181.04 | 93.074 | 1047.8  | .16269 | 2.8688 | 40.855 |

|    |         |         |         |        |         |        |        |        |
|----|---------|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00400 | -.00302 | -.00020 | .00070 | -.00163 | .12863 | .22795 | .00027 |
| #2 | -.00230 | -.00295 | .00160  | .00341 | .00124  | .12833 | .23739 | .00015 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00058 | 21.234 | .00071 | .00634 | .00024 | .25369 | .71699 | 6.6971 |
| Stddev | .00003 | .626   | .00008 | .00039 | .00007 | .00235 | .03835 | .2294  |
| %RSD   | 5.9000 | 2.9468 | 11.514 | 6.1158 | 30.388 | .92445 | 5.3493 | 3.4252 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00056 | 20.791 | .00077 | .00606 | .00030 | .25534 | .74411 | 6.5349 |
| #2 | .00061 | 21.676 | .00065 | .00661 | .00019 | .25203 | .68987 | 6.8593 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00493 | .00006 | 425.84 | .00164 | .17636 | 3.8556 | -.00012 | .05639 |
| Stddev | .00016 | .00013 | 10.59  | .00010 | .00374 | .0810  | .00005  | .00597 |
| %RSD   | 3.2318 | 232.67 | 2.4871 | 6.0400 | 2.1189 | 2.0999 | 42.679  | 10.580 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00504 | .00015  | 418.35 | .00157 | .17371 | 3.7983 | -.00008 | .06061 |
| #2 | .00481 | -.00004 | 433.33 | .00171 | .17900 | 3.9128 | -.00015 | .05217 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.4493 | 3.0418 | -.00080 | .00359 | .00812 | .0260  | .12601 | 3.7455 |
| Stddev | .0345  | .0161  | .00085  | .00317 | .00037 | .0012  | .00387 | .7597  |
| %RSD   | 2.3806 | .52841 | 105.91  | 88.108 | 4.5398 | 4.640  | 3.0716 | 20.283 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 1.4249 | 3.0304 | -.00140 | .00135 | .00786 | .0268 | .12328 | 4.2827 |
| #2 | 1.4737 | 3.0531 | -.00020 | .00583 | .00838 | .0251 | .12875 | 3.2083 |



Sample Name: J6462-01      Acquired: 12/18/2018 21:19:15      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OILY-DEBRIS      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.9832  
Stddev      .3319  
%RSD      11.126

#1      3.2179  
#2      2.7485

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2975.0 | 41377. | 3794.4 | 93.621 | 3254.4 |
| Stddev    | 50.8   | 2003.  | 55.3   | 1.444  | 69.5   |
| %RSD      | 1.7070 | 4.8406 | 1.4575 | 1.5420 | 2.1364 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3010.9 | 39961. | 3833.5 | 94.642 | 3303.6 |
| #2 | 2939.1 | 42794. | 3755.3 | 92.600 | 3205.3 |

Sample Name: J6462-02      Acquired: 12/18/2018 21:23:23      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PAINT-MATERI      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 | -.00233 | .11473 | -.00369 | .01549 | .05952 | .24021 | .00002 |
| Stddev | .00362  | .00178  | .00263 | .00044  | .00101 | .00686 | .00150 | .00002 |
| %RSD   | 200.10  | 76.544  | 2.2882 | 11.858  | 6.5071 | 11.526 | .62525 | 103.08 |

|    |         |         |        |         |        |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|--------|
| #1 | -.00437 | -.00107 | .11287 | -.00338 | .01477 | .06437 | .24127 | .00004 |
| #2 | .00075  | -.00359 | .11658 | -.00400 | .01620 | .05467 | .23915 | .00001 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02370 | 9.9028 | .23357 | .00997 | -.00418 | 5.9854 | .34474 | 1.4458 |
| Stddev | .00037 | .0636  | .00371 | .00007 | .00039  | .1014  | .00530 | .0351  |
| %RSD   | 1.5720 | .64214 | 1.5899 | .69617 | 9.3788  | 1.6944 | 1.5371 | 2.4305 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .02344 | 9.9477 | .23620 | .01002 | -.00390 | 6.0571 | .34849 | 1.4706 |
| #2 | .02397 | 9.8578 | .23094 | .00992 | -.00446 | 5.9137 | .34099 | 1.4209 |

|        |        |         |        |        |          |        |         |        |
|--------|--------|---------|--------|--------|----------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | .00801 | -.00010 | 408.14 | .00241 | F 61.044 | 1.4633 | -.01288 | 1.4005 |
| Stddev | .00013 | .00012  | 12.42  | .00005 | 1.124    | .0114  | .00027  | .0012  |
| %RSD   | 1.5913 | 121.13  | 3.0431 | 2.1159 | 1.8415   | .78111 | 2.1058  | .08694 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00810 | -.00019 | 416.93 | .00245 | 61.839 | 1.4553 | -.01268 | 1.4013 |
| #2 | .00792 | -.00001 | 399.36 | .00237 | 60.249 | 1.4714 | -.01307 | 1.3996 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.0739 | .69229 | -.00248 | .00122 | .01080 | .0738  | .47914 | 3.6417 |
| Stddev | .1044  | .01001 | .00062  | .00086 | .00047 | .0010  | .00522 | .4217  |
| %RSD   | 1.2927 | 1.4466 | 25.098  | 70.124 | 4.3204 | 1.376  | 1.0889 | 11.579 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 8.0001 | .69937 | -.00292 | .00062 | .01113 | .0731 | .48283 | 3.9398 |
| #2 | 8.1477 | .68521 | -.00204 | .00183 | .01047 | .0745 | .47545 | 3.3435 |

Sample Name: J6462-02      Acquired: 12/18/2018 21:23:23      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PAINT-MATERI      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.1918 |
| Stddev | .0085  |
| %RSD   | .26565 |

|    |        |
|----|--------|
| #1 | 3.1978 |
| #2 | 3.1858 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3001.4 | 40962. | 3831.2 | 95.258 | 3286.4 |
| Stddev    | 31.3   | 755.   | 68.3   | 2.648  | 40.7   |
| %RSD      | 1.0432 | 1.8426 | 1.7827 | 2.7798 | 1.2380 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3023.5 | 40428. | 3782.9 | 93.386 | 3315.1 |
| #2 | 2979.3 | 41495. | 3879.5 | 97.131 | 3257.6 |

Sample Name: J6464-03      Acquired: 12/18/2018 21:27:42      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 290-RT4008-R      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00167 | -.00342 | .01198 | .00383 | .00085 | .02246 | .16672 | .00005 |
| Stddev | .00470  | .00185  | .00062 | .00104 | .00092 | .00590 | .00155 | .00003 |
| %RSD   | 281.62  | 54.104  | 5.1636 | 27.048 | 108.32 | 26.288 | .92747 | 64.258 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00165  | -.00211 | .01154 | .00457 | .00020 | .02663 | .16781 | .00003 |
| #2 | -.00499 | -.00473 | .01241 | .00310 | .00150 | .01828 | .16562 | .00008 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00024 | 78.879 | .00049 | .00491 | .00885 | .00258 | .46328 | 11.122 |
| Stddev | .00001 | .135   | .00024 | .00007 | .00037 | .00310 | .00321 | .015   |
| %RSD   | 4.0365 | .17138 | 48.239 | 1.3378 | 4.1643 | 120.05 | .69218 | .13182 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00025 | 78.783 | .00032 | .00496 | .00859 | .00039 | .46555 | 11.133 |
| #2 | .00024 | 78.975 | .00066 | .00487 | .00911 | .00478 | .46101 | 11.112 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00740 | .00038 | 416.91 | .00027 | .07761 | .96285 | -.00003 | .00183 |
| Stddev | .00003 | .00003 | .82    | .00042 | .00058 | .00025 | .00001  | .01694 |
| %RSD   | .39524 | 8.2904 | .19698 | 156.04 | .74865 | .02595 | 38.525  | 925.10 |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | .00738 | .00036 | 417.50 | -.00003 | .07802 | .96267 | -.00002 | -.01014 |
| #2 | .00742 | .00041 | 416.33 | .00056  | .07720 | .96303 | -.00003 | .01381  |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0656 | .51022 | -.00070 | -.00240 | .00542 | .0008  | .13855 | 4.4649 |
| Stddev | .0108  | .00440 | .00056  | .00076  | .00063 | .0001  | .00007 | .1186  |
| %RSD   | 1.0166 | .86258 | 80.433  | 31.683  | 11.680 | 10.83  | .04794 | 2.6559 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 1.0580 | .50710 | -.00030 | -.00293 | .00587 | .0008 | .13860 | 4.5488 |
| #2 | 1.0733 | .51333 | -.00110 | -.00186 | .00498 | .0009 | .13851 | 4.3811 |

Sample Name: J6464-03      Acquired: 12/18/2018 21:27:42      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 290-RT4008-R      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.0394 |
| Stddev | .5108  |
| %RSD   | 16.805 |

|    |        |
|----|--------|
| #1 | 2.6782 |
| #2 | 3.4006 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2977.7 | 39481. | 3798.4 | 91.530 | 3223.5 |
| Stddev    | 26.4   | 323.   | 37.4   | 2.012  | 33.0   |
| %RSD      | .88508 | .81927 | .98503 | 2.1980 | 1.0244 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2996.3 | 39252. | 3772.0 | 92.953 | 3246.9 |
| #2 | 2959.0 | 39709. | 3824.9 | 90.107 | 3200.2 |

Sample Name: CCV11      Acquired: 12/18/2018 21:31:52      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14372      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0114 | 4.9734 | 5.0084 | 4.9307 | 4.9938 | 9.9427 | 9.9769 | .25279   |
| Stddev | .0013  | .0140  | .0048  | .0045  | .0065  | .0511  | .0395  | .00007   |
| %RSD   | .02508 | .28120 | .09599 | .09057 | .12997 | .51349 | .39549 | .02621   |
| #1     | 5.0123 | 4.9635 | 5.0050 | 4.9339 | 4.9892 | 9.9788 | 10.005 | .25284   |
| #2     | 5.0105 | 4.9833 | 5.0118 | 4.9276 | 4.9984 | 9.9066 | 9.9490 | .25275   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4823 | 25.613 | 1.0315 | 2.4844 | 1.2613 | 5.0181 | 2.5581 | 25.223   |
| Stddev | .0039  | .034   | .0010  | .0020  | .0008  | .0890  | .0009  | .012     |
| %RSD   | .15651 | .13362 | .10028 | .08091 | .06126 | 1.7725 | .03684 | .04657   |
| #1     | 2.4796 | 25.637 | 1.0307 | 2.4830 | 1.2607 | 5.0810 | 2.5575 | 25.231   |
| #2     | 2.4850 | 25.589 | 1.0322 | 2.4858 | 1.2618 | 4.9552 | 2.5588 | 25.215   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4673 | 1.2363 | 24.616 | 2.4862 | 2.6068 | 24.777 | 5.0076 | 5.0251   |
| Stddev | .0061  | .0005  | .003   | .0001  | .0492  | .061   | .0092  | .0019    |
| %RSD   | .24894 | .04342 | .01135 | .00591 | 1.8857 | .24656 | .18423 | .03796   |
| #1     | 2.4630 | 1.2367 | 24.618 | 2.4863 | 2.6416 | 24.820 | 5.0011 | 5.0238   |
| #2     | 2.4717 | 1.2359 | 24.614 | 2.4861 | 2.5721 | 24.734 | 5.0141 | 5.0265   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7624 | 5.1080 | 4.9531 | 5.0386 | 4.9159 | 4.937  | 5.1215 | F 3.6627 |
| Stddev | .0093  | .0092  | .0119  | .0040  | .0100  | .006   | .0226  | .0590    |
| %RSD   | .19595 | .17915 | .24074 | .07922 | .20235 | .1190  | .44051 | 1.6105   |
| #1     | 4.7558 | 5.1016 | 4.9447 | 5.0414 | 4.9229 | 4.933  | 5.1375 | 3.7044   |
| #2     | 4.7690 | 5.1145 | 4.9615 | 5.0358 | 4.9088 | 4.941  | 5.1056 | 3.6210   |

Sample Name: CCV11      Acquired: 12/18/2018 21:31:52      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14372      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.3244 |
| Stddev | .3979    |
| %RSD   | 11.970   |

|    |        |
|----|--------|
| #1 | 3.0430 |
| #2 | 3.6058 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3120.3 | 42176. | 3794.3 | 90.475 | 3402.3 |
| Stddev    | 8.0    | 206.   | 12.5   | 1.865  | 4.6    |
| %RSD      | .25615 | .48942 | .33050 | 2.0608 | .13579 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3114.6 | 42030. | 3785.4 | 89.156 | 3399.1 |
| #2 | 3125.9 | 42322. | 3803.1 | 91.793 | 3405.6 |

Sample Name: CCB11      Acquired: 12/18/2018 21:35:38      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14372      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |        |         |        |
|--------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961  | Ba4934 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00173 | -.00067 | -.00018 | -.00188 | .00165 | -.01047 | .00263 |
| Stddev | .00070 | .00000  | .00149  | .00274  | .00137 | .00646  | .00000 |
| %RSD   | 40.491 | .33200  | 821.22  | 146.09  | 82.759 | 61.705  | .07593 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .00223 | -.00068 | .00088  | .00006  | .00068 | -.01503 | .00263 |
| #2 | .00124 | -.00067 | -.00124 | -.00382 | .00262 | -.00590 | .00263 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00004 | .00001 | .00285 | -.00022 | .00010 | -.00207 | .01116 |
| Stddev | .00004 | .00001 | .00134 | .00000  | .00019 | .00043  | .00817 |
| %RSD   | 102.14 | 219.09 | 47.190 | .96068  | 197.37 | 20.846  | 73.272 |

|    |        |         |        |         |         |         |        |
|----|--------|---------|--------|---------|---------|---------|--------|
| #1 | .00006 | .00002  | .00380 | -.00022 | -.00004 | -.00176 | .00538 |
| #2 | .00001 | -.00000 | .00190 | -.00022 | .00023  | -.00237 | .01694 |

|        |        |        |         |        |         |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00002 | .00251 | -.00058 | .00008 | -.02006 | .00051 | .00954 |
| Stddev | .00001 | .05033 | .00038  | .00069 | .01340  | .00025 | .00052 |
| %RSD   | 25.574 | 2007.9 | 65.688  | 820.35 | 66.784  | 48.622 | 5.4132 |

|    |        |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00002 | -.03308 | -.00084 | .00057  | -.01059 | .00033 | .00990 |
| #2 | .00003 | .03809  | -.00031 | -.00040 | -.02953 | .00068 | .00917 |

|        |        |        |        |           |        |         |        |
|--------|--------|--------|--------|-----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm     | ppm    |
| Avg    | .02578 | .00058 | .00049 | F -.01070 | .00328 | -.00074 | .00016 |
| Stddev | .00489 | .00015 | .00183 | .00203    | .00012 | .00001  | .00118 |
| %RSD   | 18.988 | 25.696 | 372.48 | 18.950    | 3.6674 | 1.6297  | 718.81 |

|    |        |        |         |         |        |         |         |
|----|--------|--------|---------|---------|--------|---------|---------|
| #1 | .02924 | .00068 | -.00080 | -.00927 | .00320 | -.00075 | .00100  |
| #2 | .02232 | .00047 | .00178  | -.01213 | .00337 | -.00073 | -.00067 |



Sample Name: CCB11      Acquired: 12/18/2018 21:35:38      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14372      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00136 | -.0000 | .00012 | F 2.1234 | F 1.1639 |
| Stddev | .00064  | .0013  | .00006 | .1041    | .6309    |
| %RSD   | 47.089  | 3902.  | 52.946 | 4.9044   | 54.208   |

|    |         |        |        |        |        |
|----|---------|--------|--------|--------|--------|
| #1 | -.00091 | -.0010 | .00016 | 2.0498 | 1.6101 |
| #2 | -.00182 | .0009  | .00007 | 2.1970 | .71778 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3272.8 | 44594. | 3844.2 | 96.371 | 3887.5 |
| Stddev    | 9.4    | 60.    | 18.8   | 1.408  | 32.0   |
| %RSD      | .28603 | .13482 | .48928 | 1.4614 | .82381 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3266.2 | 44636. | 3830.9 | 97.367 | 3864.8 |
| #2 | 3279.4 | 44551. | 3857.5 | 95.375 | 3910.1 |

Sample Name: J6464-06      Acquired: 12/18/2018 21:39:44      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: VB16202      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 | -.00212 | .00293 | .00148 | .00039 | .06406 | .47216 | .00007 |
| Stddev | .00046  | .00125  | .00057 | .00048 | .00173 | .00690 | .00002 | .00009 |
| %RSD   | 23.047  | 58.675  | 19.373 | 32.269 | 443.28 | 10.774 | .00359 | 133.57 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00167 | -.00300 | .00333 | .00114 | .00161  | .05918 | .47218 | .00013 |
| #2 | -.00232 | -.00124 | .00253 | .00182 | -.00083 | .06894 | .47215 | .00000 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00001 | 93.343 | .00095 | .00557 | .00108 | 1.0776 | .66017 | 4.4830 |
| Stddev | .00004 | .611   | .00004 | .00018 | .00044 | .0017  | .00130 | .0112  |
| %RSD   | 498.22 | .65476 | 4.6791 | 3.2912 | 40.708 | .16098 | .19729 | .24911 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00002 | 92.911 | .00092 | .00570 | .00077 | 1.0788 | .66109 | 4.4909 |
| #2 | .00003  | 93.775 | .00098 | .00544 | .00139 | 1.0764 | .65924 | 4.4751 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01429 | .00072 | 379.12 | .00023 | .08436 | 1.6330 | .00007 | .00542 |
| Stddev | .00089 | .00059 | .66    | .00038 | .00095 | .0273  | .00013 | .00353 |
| %RSD   | 6.2391 | 82.109 | .17474 | 168.45 | 1.1244 | 1.6692 | 186.08 | 65.228 |

|    |        |        |        |         |        |        |         |        |
|----|--------|--------|--------|---------|--------|--------|---------|--------|
| #1 | .01492 | .00030 | 378.66 | -.00004 | .08369 | 1.6138 | -.00002 | .00791 |
| #2 | .01366 | .00114 | 379.59 | .00049  | .08504 | 1.6523 | .00016  | .00292 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21366 | 3.1621 | .00022 | .00165 | .00508 | .0012  | .18099 | 4.1822 |
| Stddev | .00205 | .0113  | .00045 | .00241 | .00187 | .0017  | .00057 | .2142  |
| %RSD   | .96023 | .35776 | 204.43 | 146.50 | 36.827 | 146.3  | .31219 | 5.1204 |

|    |        |        |         |         |        |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .21511 | 3.1541 | -.00010 | .00335  | .00376 | .0024  | .18059 | 4.3337 |
| #2 | .21221 | 3.1701 | .00054  | -.00006 | .00640 | -.0000 | .18139 | 4.0308 |

Sample Name: J6464-06      Acquired: 12/18/2018 21:39:44      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: VB16202      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.4773  
Stddev      .2690  
%RSD      7.7360

#1      3.2871  
#2      3.6675

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2969.0 | 39953. | 3774.4 | 93.000 | 3220.6 |
| Stddev    | 30.8   | 122.   | 2.3    | 1.269  | 36.3   |
| %RSD      | 1.0382 | .30420 | .06187 | 1.3644 | 1.1283 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2947.2 | 39867. | 3772.7 | 93.898 | 3194.9 |
| #2 | 2990.8 | 40039. | 3776.0 | 92.103 | 3246.3 |

Sample Name: J6385-01      Acquired: 12/18/2018 21:43:52      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00353   | .00090  | -.00053 | -.00162 | -.00003 | -.01020 | .01702 | .00009 |
| Stddev | .00049   | .00092  | .00057  | .00009  | .00018  | .00642  | .00272 | .00004 |
| %RSD   | 13.957   | 103.00  | 108.55  | 5.6616  | 667.87  | 62.889  | 16.006 | 44.006 |
| #1     | .00318   | .00155  | -.00012 | -.00155 | -.00015 | -.01474 | .01895 | .00006 |
| #2     | .00388   | .00024  | -.00093 | -.00168 | .00010  | -.00567 | .01509 | .00011 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00009  | 28.656  | -.00017 | -.00013 | -.00152 | .02957  | .00401 | 17.877 |
| Stddev | .00011   | 1.960   | .00055  | .00013  | .00034  | .00519  | .00021 | 1.294  |
| %RSD   | 122.05   | 6.8405  | 326.70  | 99.932  | 22.143  | 17.543  | 5.1325 | 7.2392 |
| #1     | -.00017  | 30.042  | .00022  | -.00004 | -.00128 | .03324  | .00415 | 18.792 |
| #2     | -.00001  | 27.270  | -.00055 | -.00022 | -.00176 | .02590  | .00386 | 16.962 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00124  | -.00009 | 124.67  | .00107  | -.00001 | 5.2651  | .00025 | .05267 |
| Stddev | .00028   | .00055  | 8.58    | .00064  | .00008  | .3073   | .00005 | .01254 |
| %RSD   | 22.586   | 598.98  | 6.8814  | 59.908  | 524.92  | 5.8369  | 21.735 | 23.801 |
| #1     | -.00144  | -.00048 | 130.74  | .00152  | .00004  | 5.4824  | .00021 | .06154 |
| #2     | -.00105  | .00030  | 118.61  | .00062  | -.00007 | 5.0478  | .00028 | .04381 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 11.789 | 2.5675  | -.00587 | .00171  | -.00528 | .0299   | .18301 | 2.8703 |
| Stddev | .202     | .1683   | .00046  | .00077  | .00150  | .0010   | .01188 | .6513  |
| %RSD   | 1.7137   | 6.5551  | 7.9148  | 44.988  | 28.313  | 3.289   | 6.4914 | 22.693 |
| #1     | 11.932   | 2.6865  | -.00620 | .00117  | -.00422 | .0306   | .19141 | 3.3309 |
| #2     | 11.646   | 2.4485  | -.00555 | .00226  | -.00634 | .0292   | .17461 | 2.4098 |

Sample Name: J6385-01      Acquired: 12/18/2018 21:43:52      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.4474 |
| Stddev | .2581  |
| %RSD   | 10.547 |

|    |        |
|----|--------|
| #1 | 2.2649 |
| #2 | 2.6299 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3187.8 | 43191. | 4062.0 | 100.44 | 3601.2 |
| Stddev    | 58.8   | 1488.  | 221.3  | 5.94   | 43.2   |
| %RSD      | 1.8445 | 3.4440 | 5.4491 | 5.9097 | 1.1998 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3146.2 | 42139. | 3905.5 | 96.238 | 3570.6 |
| #2 | 3229.4 | 44243. | 4218.5 | 104.63 | 3631.7 |

Sample Name: J6385-02      Acquired: 12/18/2018 21:47:55      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00057 | .00058 | -.00103 | -.00209 | -.00025 | -.01960 | .01946 | .00009 |
| Stddev | .00016 | .00136 | .00118  | .00360  | .00157  | .00943  | .00035 | .00000 |
| %RSD   | 27.886 | 233.53 | 114.33  | 172.40  | 639.87  | 48.142  | 1.8012 | 2.6668 |

|    |        |         |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|---------|--------|--------|
| #1 | .00045 | -.00038 | -.00186 | .00046  | -.00136 | -.02627 | .01971 | .00009 |
| #2 | .00068 | .00155  | -.00020 | -.00463 | .00087  | -.01293 | .01921 | .00009 |

|        |         |        |         |         |         |        |        |        |
|--------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00016 | 29.815 | -.00012 | -.00031 | -.00168 | .03228 | .00516 | 18.188 |
| Stddev | .00011  | .330   | .00025  | .00017  | .00018  | .00728 | .00010 | .211   |
| %RSD   | 67.292  | 1.1061 | 203.07  | 54.357  | 10.726  | 22.558 | 1.8597 | 1.1616 |

|    |         |        |         |         |         |        |        |        |
|----|---------|--------|---------|---------|---------|--------|--------|--------|
| #1 | -.00023 | 29.581 | -.00029 | -.00019 | -.00155 | .03743 | .00523 | 18.039 |
| #2 | -.00008 | 30.048 | .00005  | -.00044 | -.00181 | .02713 | .00509 | 18.337 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00104 | .00033 | 125.96 | .00074 | -.00043 | 5.2847 | .00009 | .04473 |
| Stddev | .00003  | .00041 | .96    | .00033 | .00014  | .0132  | .00003 | .00150 |
| %RSD   | 2.7155  | 124.43 | .75820 | 45.226 | 32.432  | .25028 | 38.536 | 3.3485 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00106 | .00004 | 126.63 | .00097 | -.00033 | 5.2754 | .00006 | .04579 |
| #2 | -.00102 | .00061 | 125.28 | .00050 | -.00053 | 5.2941 | .00011 | .04367 |

|        |          |        |         |        |         |        |        |        |
|--------|----------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 11.442 | 2.6806 | -.00635 | .00231 | -.00415 | .0310  | .18796 | 3.0951 |
| Stddev | .017     | .0152  | .00039  | .00048 | .00045  | .0012  | .00195 | .1006  |
| %RSD   | .15255   | .56860 | 6.0794  | 20.808 | 10.934  | 3.938  | 1.0383 | 3.2511 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 11.430 | 2.6914 | -.00663 | .00265 | -.00447 | .0301 | .18658 | 3.1663 |
| #2 | 11.454 | 2.6698 | -.00608 | .00197 | -.00383 | .0319 | .18934 | 3.0240 |

Sample Name: J6385-02      Acquired: 12/18/2018 21:47:55      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.0978 |
| Stddev | .3651  |
| %RSD   | 17.402 |

|    |        |
|----|--------|
| #1 | 2.3560 |
| #2 | 1.8397 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3163.5 | 42758. | 3848.6 | 96.261 | 3559.7 |
| Stddev    | 2.2    | 66.    | 11.5   | 4.254  | .9     |
| %RSD      | .06873 | .15421 | .29859 | 4.4188 | .02527 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3165.0 | 42712. | 3840.5 | 93.253 | 3560.3 |
| #2 | 3161.9 | 42805. | 3856.8 | 99.269 | 3559.1 |

Sample Name: J6385-03      Acquired: 12/18/2018 21:51:59      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00097   | .00067  | -.00093 | -.00413 | .00005  | -.03137 | .01976  | .00012 |
| Stddev | .00267   | .00147  | .00006  | .00013  | .00101  | .01317  | .00019  | .00003 |
| %RSD   | 276.20   | 218.42  | 6.1385  | 3.1011  | 1875.6  | 41.985  | .96306  | 21.808 |
| #1     | .00285   | .00172  | -.00089 | -.00403 | .00077  | -.04069 | .01962  | .00010 |
| #2     | -.00092  | -.00037 | -.00097 | -.00422 | -.00066 | -.02206 | .01989  | .00014 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00020  | 31.662  | -.00028 | -.00012 | -.00126 | .04011  | .00387  | 23.112 |
| Stddev | .00002   | .001    | .00010  | .00013  | .00005  | .01191  | .00026  | .010   |
| %RSD   | 8.8791   | .00445  | 36.715  | 107.69  | 3.6498  | 29.703  | 6.6200  | .04427 |
| #1     | -.00019  | 31.663  | -.00035 | -.00003 | -.00130 | .03168  | .00405  | 23.105 |
| #2     | -.00022  | 31.661  | -.00020 | -.00022 | -.00123 | .04853  | .00369  | 23.120 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00138  | -.00009 | 166.88  | .00091  | -.00083 | 6.9464  | .00009  | .06992 |
| Stddev | .00001   | .00023  | 1.11    | .00017  | .00001  | .0299   | .00016  | .00731 |
| %RSD   | .55762   | 251.53  | .66359  | 18.150  | .82845  | .43075  | 179.54  | 10.453 |
| #1     | -.00137  | .00007  | 167.66  | .00103  | -.00083 | 6.9252  | -.00002 | .07509 |
| #2     | -.00138  | -.00026 | 166.10  | .00079  | -.00082 | 6.9675  | .00020  | .06475 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | F 14.632 | 2.6826  | -.00699 | .00054  | -.00249 | .0315   | .21750  | 3.5404 |
| Stddev | .051     | .0423   | .00025  | .00109  | .00083  | .0012   | .00012  | .5023  |
| %RSD   | .34788   | 1.5765  | 3.6188  | 202.68  | 33.451  | 3.683   | .05409  | 14.189 |
| #1     | 14.596   | 2.7125  | -.00716 | .00131  | -.00190 | .0307   | .21742  | 3.8956 |
| #2     | 14.668   | 2.6527  | -.00681 | -.00023 | -.00308 | .0323   | .21758  | 3.1852 |



Sample Name: J6385-03      Acquired: 12/18/2018 21:51:59      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.8176 |
| Stddev | .4464  |
| %RSD   | 15.842 |

|    |        |
|----|--------|
| #1 | 3.1332 |
| #2 | 2.5020 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3163.3 | 41186. | 3835.4 | 96.637 | 3530.6 |
| Stddev    | .9     | 1543.  | 33.4   | 2.908  | 3.3    |
| %RSD      | .02754 | 3.7471 | .87055 | 3.0094 | .09378 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3163.9 | 40095. | 3811.8 | 94.581 | 3533.0 |
| #2 | 3162.7 | 42277. | 3859.0 | 98.694 | 3528.3 |

Sample Name: J6385-04      Acquired: 12/18/2018 21:56:02      Type: Unk  
Method: P4-ICP2(v2662)      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   | .00021  | -.00065 | -.00199 | -.00002 | -.01398 | .01830 | -.00001 |
| Stddev | .00029   | .00084  | .00067  | .00008  | .00124  | .00290  | .00037 | .00012  |
| %RSD   | 24.776   | 390.02  | 102.73  | 3.9095  | 6250.1  | 20.748  | 2.0214 | 1334.2  |
| #1     | .00136   | -.00038 | -.00018 | -.00194 | .00086  | -.01193 | .01804 | -.00009 |
| #2     | .00095   | .00081  | -.00113 | -.00205 | -.00090 | -.01603 | .01856 | .00008  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00011  | 29.248  | -.00018 | -.00019 | -.00192 | .03522  | .00370 | 17.633  |
| Stddev | .00002   | .126    | .00055  | .00023  | .00037  | .00383  | .00004 | .056    |
| %RSD   | 15.347   | .42958  | 305.46  | 124.19  | 19.280  | 10.887  | 1.1362 | .31526  |
| #1     | -.00010  | 29.159  | .00021  | -.00035 | -.00166 | .03793  | .00367 | 17.594  |
| #2     | -.00013  | 29.337  | -.00057 | -.00002 | -.00218 | .03251  | .00373 | 17.672  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00090  | .00007  | 121.36  | .00074  | -.00082 | 5.1410  | .00005 | .04983  |
| Stddev | .00006   | .00003  | .03     | .00036  | .00003  | .0055   | .00002 | .00424  |
| %RSD   | 6.2437   | 40.654  | .02171  | 48.456  | 3.7611  | .10759  | 44.204 | 8.5180  |
| #1     | -.00086  | .00005  | 121.38  | .00049  | -.00084 | 5.1450  | .00006 | .04683  |
| #2     | -.00094  | .00010  | 121.34  | .00099  | -.00080 | 5.1371  | .00003 | .05283  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | F 10.994 | 2.6101  | -.00618 | .00153  | -.00391 | .0302   | .18364 | 2.5965  |
| Stddev | .012     | .0147   | .00110  | .00068  | .00121  | .0022   | .00054 | .0728   |
| %RSD   | .11007   | .56277  | 17.823  | 44.497  | 30.982  | 7.117   | .29153 | 2.8038  |
| #1     | 11.003   | 2.6205  | -.00696 | .00105  | -.00476 | .0287   | .18326 | 2.5451  |
| #2     | 10.986   | 2.5997  | -.00540 | .00201  | -.00305 | .0317   | .18402 | 2.6480  |

Sample Name: J6385-04      Acquired: 12/18/2018 21:56:02      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.7172  
Stddev      .0476  
%RSD      2.7717

#1      1.7508  
#2      1.6835

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3229.7 | 43649. | 3935.9 | 98.074 | 3641.6 |
| Stddev    | 19.9   | 345.   | 16.4   | 1.424  | 26.3   |
| %RSD      | .61762 | .78995 | .41617 | 1.4515 | .72315 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3215.6 | 43405. | 3947.5 | 99.080 | 3622.9 |
| #2 | 3243.8 | 43892. | 3924.3 | 97.067 | 3660.2 |

Sample Name: J6417-04      Acquired: 12/18/2018 22:00:05      Type: Unk  
Method: P4-ICP2(v2662)      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    | .00266   | -.00001 | -.00202 | -.00157 | -.00112 | -.01862 | .01855  | .00010 |
| Stddev | .00011   | .00145  | .00034  | .00165  | .00111  | .02886  | .00056  | .00003 |
| %RSD   | 4.3138   | 12236.  | 16.821  | 105.47  | 99.440  | 155.02  | 3.0154  | 29.971 |
| #1     | .00258   | -.00104 | -.00178 | -.00274 | -.00033 | .00179  | .01895  | .00008 |
| #2     | .00274   | .00101  | -.00226 | -.00040 | -.00190 | -.03902 | .01816  | .00012 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00017  | 30.199  | -.00026 | -.00039 | -.00177 | .02997  | .00583  | 19.616 |
| Stddev | .00009   | .107    | .00003  | .00018  | .00015  | .00380  | .00023  | .113   |
| %RSD   | 53.525   | .35392  | 12.918  | 46.869  | 8.4201  | 12.665  | 3.8681  | .57570 |
| #1     | -.00011  | 30.124  | -.00028 | -.00026 | -.00187 | .03266  | .00567  | 19.537 |
| #2     | -.00024  | 30.275  | -.00024 | -.00052 | -.00166 | .02729  | .00599  | 19.696 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00155  | -.00088 | 138.31  | .00098  | .00030  | 5.8541  | -.00007 | .05379 |
| Stddev | .00048   | .00009  | .71     | .00024  | .00008  | .0312   | .00009  | .00695 |
| %RSD   | 30.759   | 10.072  | .51395  | 24.748  | 27.046  | .53210  | 129.53  | 12.924 |
| #1     | -.00188  | -.00082 | 138.81  | .00115  | .00024  | 5.8321  | -.00001 | .05871 |
| #2     | -.00121  | -.00095 | 137.80  | .00081  | .00035  | 5.8762  | -.00013 | .04888 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | F 12.315 | 2.6881  | -.00606 | .00167  | -.00459 | .0370   | .19609  | 3.2159 |
| Stddev | .204     | .0121   | .00067  | .00098  | .00002  | .0016   | .00069  | .6326  |
| %RSD   | 1.6530   | .44865  | 11.028  | 58.786  | .32838  | 4.453   | .34972  | 19.672 |
| #1     | 12.459   | 2.6966  | -.00559 | .00237  | -.00460 | .0382   | .19560  | 2.7686 |
| #2     | 12.171   | 2.6796  | -.00654 | .00098  | -.00458 | .0358   | .19657  | 3.6632 |

Sample Name: J6417-04      Acquired: 12/18/2018 22:00:05      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.1215 |
| Stddev | .1958  |
| %RSD   | 9.2300 |

|    |        |
|----|--------|
| #1 | 1.9830 |
| #2 | 2.2599 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3215.5 | 42133. | 3911.4 | 96.603 | 3610.0 |
| Stddev    | 45.9   | 1998.  | 15.3   | 1.307  | 50.8   |
| %RSD      | 1.4261 | 4.7409 | .39139 | 1.3530 | 1.4062 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3183.1 | 43546. | 3900.5 | 97.527 | 3574.1 |
| #2 | 3247.9 | 40721. | 3922.2 | 95.679 | 3645.9 |

Sample Name: J6319-17      Acquired: 12/18/2018 22:04:09      Type: Unk  
Method: P4-ICP2(v2662)      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    | .01629 | -.01407 | 1.3317 | -.01988 | .01556 | 47.720 | .07187 |
| Stddev | .00147 | .00142  | .0073  | .00445  | .00074 | .418   | .00047 |
| %RSD   | 9.0080 | 10.107  | .54625 | 22.366  | 4.7250 | .87537 | .65965 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01733 | -.01306 | 1.3266 | -.01674 | .01608 | 47.424 | .07153 |
| #2 | .01526 | -.01508 | 1.3369 | -.02303 | .01504 | 48.015 | .07220 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00848 | .00225 | 534.49 | .63366 | .49876 | 1.2091 | 725.48 |
| Stddev | .00011 | .00172 | 4.26   | .00580 | .00251 | .0065  | 11.19  |
| %RSD   | 1.2987 | 76.520 | .79751 | .91548 | .50366 | .53660 | 1.5424 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00856 | .00103 | 531.48 | .62956 | .49698 | 1.2045 | 733.40 |
| #2 | .00840 | .00347 | 537.51 | .63776 | .50053 | 1.2137 | 717.57 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 22.105 | 34.504 | 1.6043 | -.00701 | 7.9639 | .20004 | 5.8455 |
| Stddev | .146   | .102   | .0175  | .00192  | .0245  | .00030 | .0929  |
| %RSD   | .65986 | .29450 | 1.0934 | 27.414  | .30800 | .15187 | 1.5897 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 22.002 | 34.576 | 1.5919 | -.00565 | 7.9812 | .19982 | 5.9112 |
| #2 | 22.208 | 34.432 | 1.6167 | -.00836 | 7.9465 | .20025 | 5.7798 |

|        |        |         |        |          |          |         |         |
|--------|--------|---------|--------|----------|----------|---------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      | ppm     | ppm     |
| Avg    | 9.4744 | -.00596 | .16248 | F 730.47 | F 35.744 | -.26770 | -.00795 |
| Stddev | .0219  | .00023  | .01867 | 6.15     | .068     | .00127  | .00078  |
| %RSD   | .23090 | 3.9325  | 11.490 | .84178   | .18895   | .47410  | 9.7940  |

|    |        |         |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|---------|---------|
| #1 | 9.4899 | -.00612 | .17568 | 726.12 | 35.696 | -.26680 | -.00740 |
| #2 | 9.4590 | -.00579 | .14928 | 734.82 | 35.792 | -.26860 | -.00850 |

Sample Name: J6319-17      Acquired: 12/18/2018 22:04:09      Type: Unk  
 Method: P4-ICP2(v2662)      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    | .03570 | .2130  | .46222 | <.00000 | F<.00000 |
| Stddev | .00044 | .0009  | .01898 | .09211  | 1.0495   |
| %RSD   | 1.2265 | .4376  | 4.1063 | 4.9567  | .47074   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .03601 | .2124 | .44880 | -1.9235 | -222.20 |
| #2 | .03539 | .2137 | .47564 | -1.7932 | -223.68 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3432.7 | 47248. | 4515.4 | 83.597 | 2963.0 |
| Stddev    | 3.1    | 147.   | 1.6    | 1.547  | 24.4   |
| %RSD      | .08973 | .31101 | .03629 | 1.8508 | .82382 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3430.5 | 47352. | 4514.3 | 82.503 | 2980.3 |
| #2 | 3434.8 | 47144. | 4516.6 | 84.691 | 2945.7 |

Sample Name: J6319-18      Acquired: 12/18/2018 22:08:08      Type: Unk  
Method: P4-ICP2(v2662)      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    | .04681 | -.00421 | 5.8300 | .00381 | .00427 | 28.301 | .05120 |
| Stddev | .00042 | .00004  | .0193  | .00153 | .00160 | .011   | .00020 |
| %RSD   | .89371 | .83769  | .33057 | 40.132 | 37.531 | .04059 | .38667 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .04710 | -.00419 | 5.8437 | .00489 | .00313 | 28.309 | .05106 |
| #2 | .04651 | -.00424 | 5.8164 | .00273 | .00540 | 28.293 | .05134 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01041 | .00641 | 86.104 | .08880 | .13171 | 1.5631 | 104.21 |
| Stddev | .00010 | .00005 | .943   | .00048 | .00099 | .0005  | 1.89   |
| %RSD   | 1.0003 | .72142 | 1.0946 | .53511 | .75239 | .03403 | 1.8093 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01049 | .00637 | 85.437 | .08914 | .13241 | 1.5635 | 105.55 |
| #2 | .01034 | .00644 | 86.770 | .08847 | .13101 | 1.5628 | 102.88 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.9303 | 13.659 | .12201 | -.00054 | 7.8484 | .19751 | 2.2037 |
| Stddev | .0032  | .012   | .00052 | .00008  | .0294  | .00040 | .0338  |
| %RSD   | .10852 | .08505 | .42713 | 14.924  | .37510 | .20045 | 1.5324 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.9280 | 13.651 | .12164 | -.00059 | 7.8692 | .19723 | 2.2275 |
| #2 | 2.9325 | 13.667 | .12238 | -.00048 | 7.8275 | .19779 | 2.1798 |

|        |        |        |        |          |          |         |        |
|--------|--------|--------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 9.5835 | .00084 | .08478 | F 692.47 | F 15.514 | -.25915 | .02821 |
| Stddev | .0377  | .00034 | .01397 | 3.10     | .068     | .00056  | .00034 |
| %RSD   | .39308 | 40.519 | 16.483 | .44783   | .44088   | .21554  | 1.1904 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 9.5568 | .00060 | .09466 | 694.67 | 15.466 | -.25955 | .02797 |
| #2 | 9.6101 | .00107 | .07489 | 690.28 | 15.563 | -.25876 | .02844 |



Sample Name: J6319-18      Acquired: 12/18/2018 22:08:08      Type: Unk  
 Method: P4-ICP2(v2662)      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    | .02351 | 9.395  | .26439 | <.00000 | F<.00000 |
| Stddev | .00040 | .034   | .00506 | .16132  | .57794   |
| %RSD   | 1.6943 | .3642  | 1.9148 | 6.9023  | 8.1124   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .02380 | 9.420 | .26081 | -2.2231 | -7.5328 |
| #2 | .02323 | 9.371 | .26797 | -2.4512 | -6.7155 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4235.0 | 56911. | 5192.7 | 94.550 | 3648.6 |
| Stddev    | 19.2   | 210.   | 5.2    | 1.563  | 21.3   |
| %RSD      | .45276 | .36887 | .10086 | 1.6526 | .58481 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4221.5 | 56763. | 5196.4 | 93.445 | 3633.5 |
| #2 | 4248.6 | 57060. | 5189.0 | 95.655 | 3663.7 |

Sample Name: J6319-19      Acquired: 12/18/2018 22:12:03      Type: Unk  
Method: P4-ICP2(v2662)      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    | .01446   | -.00833  | 1.9641  | -.00719 | .00499 | 49.365 | .09068  | .00535 |
| Stddev | .00107   | .00089   | .0565   | .00469  | .00032 | 1.362  | .00045  | .00024 |
| %RSD   | 7.3816   | 10.684   | 2.8770  | 65.262  | 6.5041 | 2.7593 | .49970  | 4.4391 |
| #1     | .01522   | -.00770  | 1.9241  | -.01051 | .00522 | 50.328 | .09036  | .00552 |
| #2     | .01371   | -.00896  | 2.0040  | -.00387 | .00476 | 48.402 | .09100  | .00518 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .01183   | 1095.6   | .18455  | .06428  | .96210 | 23.835 | 7.5800  | 92.078 |
| Stddev | .00052   | 18.2     | .00816  | .00145  | .01948 | .126   | .2269   | 1.472  |
| %RSD   | 4.3794   | 1.6631   | 4.4190  | 2.2480  | 2.0252 | .52828 | 2.9933  | 1.5992 |
| #1     | .01146   | 1082.8   | .19032  | .06326  | .94832 | 23.746 | 7.7404  | 91.037 |
| #2     | .01219   | 1108.5   | .17878  | .06531  | .97588 | 23.924 | 7.4195  | 93.120 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .07775   | -.00061  | 6.9514  | .05079  | 3.8777 | 9.2950 | -.00015 | .32516 |
| Stddev | .00235   | .00032   | .1135   | .00252  | .0202  | .1096  | .00006  | .01458 |
| %RSD   | 3.0227   | 51.672   | 1.6322  | 4.9553  | .52169 | 1.1791 | 35.697  | 4.4838 |
| #1     | .07609   | -.00039  | 6.8712  | .05256  | 3.8634 | 9.2175 | -.00012 | .31485 |
| #2     | .07942   | -.00083  | 7.0317  | .04901  | 3.8920 | 9.3725 | -.00019 | .33547 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | F 857.22 | F 64.387 | -.31487 | .02985  | .05474 | .7003  | 3.5492  | 1.7904 |
| Stddev | 20.99    | .751     | .00660  | .00268  | .00122 | .0226  | .0538   | .3675  |
| %RSD   | 2.4484   | 1.1659   | 2.0963  | 8.9631  | 2.2355 | 3.225  | 1.5164  | 20.523 |
| #1     | 842.38   | 63.856   | -.31020 | .02796  | .05387 | .6843  | 3.5111  | 2.0502 |
| #2     | 872.06   | 64.918   | -.31954 | .03174  | .05560 | .7162  | 3.5872  | 1.5306 |

Sample Name: J6319-19      Acquired: 12/18/2018 22:12:03      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 10.912 |
| Stddev | .281   |
| %RSD   | 2.5765 |

|    |        |
|----|--------|
| #1 | 11.111 |
| #2 | 10.713 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3287.9 | 47132. | 4245.0 | 85.757 | 3028.9 |
| Stddev    | 44.2   | 1604.  | 44.4   | .165   | 60.5   |
| %RSD      | 1.3439 | 3.4041 | 1.0471 | .19245 | 1.9973 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3319.1 | 45997. | 4276.4 | 85.640 | 3071.7 |
| #2 | 3256.6 | 48266. | 4213.5 | 85.874 | 2986.2 |

Sample Name: J6319-20      Acquired: 12/18/2018 22:16:05      Type: Unk  
Method: P4-ICP2(v2662)      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    | .01341   | -.00637  | 2.9337  | .00189  | .00037  | 40.471 | .08828  | .01070 |
| Stddev | .00183   | .00202   | .0970   | .00350  | .00147  | .394   | .00232  | .00014 |
| %RSD   | 13.634   | 31.649   | 3.3061  | 184.94  | 398.74  | .97334 | 2.6301  | 1.3400 |
| #1     | .01212   | -.00495  | 2.8651  | .00437  | -.00067 | 40.192 | .08664  | .01060 |
| #2     | .01470   | -.00780  | 3.0023  | -.00058 | .00141  | 40.749 | .08992  | .01080 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .02682   | 1061.2   | .22347  | .05250  | 2.9573  | 1.8090 | 12.438  | 48.008 |
| Stddev | .00104   | 29.8     | .00115  | .00165  | .0553   | .0099  | .038    | 1.142  |
| %RSD   | 3.8880   | 2.8124   | .51588  | 3.1423  | 1.8713  | .54561 | .30804  | 2.3782 |
| #1     | .02609   | 1040.1   | .22265  | .05133  | 2.9181  | 1.8020 | 12.466  | 47.201 |
| #2     | .02756   | 1082.3   | .22428  | .05366  | 2.9964  | 1.8160 | 12.411  | 48.816 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .09033   | .00043   | 12.299  | .01097  | 8.2321  | 13.838 | -.00062 | .16139 |
| Stddev | .00202   | .00007   | .167    | .00008  | .0203   | .208   | .00022  | .00221 |
| %RSD   | 2.2411   | 16.451   | 1.3608  | .69297  | .24685  | 1.5039 | 35.652  | 1.3719 |
| #1     | .08890   | .00048   | 12.181  | .01102  | 8.2178  | 13.691 | -.00047 | .16295 |
| #2     | .09176   | .00038   | 12.417  | .01092  | 8.2465  | 13.985 | -.00078 | .15982 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | F 878.09 | F 31.621 | -.32573 | -.02295 | .04874  | 1.814  | 3.9483  | 1.1893 |
| Stddev | 29.01    | .556     | .01127  | .00004  | .00078  | .055   | .0921   | .0979  |
| %RSD   | 3.3041   | 1.7592   | 3.4602  | .18617  | 1.6075  | 3.023  | 2.3332  | 8.2334 |
| #1     | 857.57   | 31.227   | -.31776 | -.02298 | .04818  | 1.775  | 3.8831  | 1.2585 |
| #2     | 898.60   | 32.014   | -.33370 | -.02292 | .04929  | 1.853  | 4.0134  | 1.1201 |

Sample Name: J6319-20      Acquired: 12/18/2018 22:16:05      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 7.9911 |
| Stddev | .4929  |
| %RSD   | 6.1684 |

|    |        |
|----|--------|
| #1 | 7.6426 |
| #2 | 8.3397 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3481.1 | 48729. | 4659.9 | 86.164 | 2890.2 |
| Stddev    | 24.5   | 3.     | 59.9   | .895   | 60.2   |
| %RSD      | .70507 | .00526 | 1.2852 | 1.0388 | 2.0842 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3498.5 | 48727. | 4702.2 | 85.531 | 2932.8 |
| #2 | 3463.7 | 48731. | 4617.5 | 86.797 | 2847.6 |

Sample Name: CCV12      Acquired: 12/18/2018 22:20:08      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7816      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0729 | 5.0316 | 5.0408 | 5.0068 | 5.0489 | 10.042 | 10.100 | .25414   |
| Stddev | .0156  | .0064  | .0030  | .0248  | .0185  | .136   | .076   | .00057   |
| %RSD   | .30735 | .12670 | .06015 | .49581 | .36584 | 1.3509 | .75451 | .22266   |
| #1     | 5.0839 | 5.0361 | 5.0429 | 5.0244 | 5.0620 | 9.9464 | 10.154 | .25454   |
| #2     | 5.0618 | 5.0271 | 5.0387 | 4.9893 | 5.0359 | 10.138 | 10.046 | .25374   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5072 | 26.266 | 1.0339 | 2.4992 | 1.2763 | 5.0683 | 2.5720 | 25.445   |
| Stddev | .0038  | .175   | .0023  | .0013  | .0053  | .0649  | .0058  | .050     |
| %RSD   | .15171 | .66738 | .22546 | .05174 | .41814 | 1.2812 | .22489 | .19728   |
| #1     | 2.5099 | 26.390 | 1.0323 | 2.5001 | 1.2801 | 5.1143 | 2.5679 | 25.410   |
| #2     | 2.5045 | 26.142 | 1.0356 | 2.4983 | 1.2725 | 5.0224 | 2.5761 | 25.481   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5017 | 1.2531 | 24.802 | 2.5209 | 2.7077 | 25.025 | 5.0913 | 5.0638   |
| Stddev | .0004  | .0016  | .164   | .0040  | .0753  | .197   | .0208  | .0141    |
| %RSD   | .01816 | .12411 | .66206 | .15717 | 2.7816 | .78785 | .40892 | .27921   |
| #1     | 2.5014 | 1.2542 | 24.918 | 2.5181 | 2.7609 | 25.165 | 5.1060 | 5.0538   |
| #2     | 2.5020 | 1.2520 | 24.686 | 2.5237 | 2.6544 | 24.886 | 5.0766 | 5.0738   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1179 | 5.1450 | 5.0292 | 5.0950 | 4.9458 | 5.027  | 5.1842 | F 2.9966 |
| Stddev | .0500  | .0906  | .0098  | .0244  | .0409  | .003   | .0341  | .0749    |
| %RSD   | .97727 | 1.7604 | .19516 | .47791 | .82636 | .0556  | .65814 | 2.4985   |
| #1     | 5.1533 | 5.2091 | 5.0223 | 5.1122 | 4.9747 | 5.029  | 5.2084 | 2.9437   |
| #2     | 5.0826 | 5.0810 | 5.0361 | 5.0778 | 4.9169 | 5.025  | 5.1601 | 3.0496   |

Sample Name: CCV12      Acquired: 12/18/2018 22:20:08      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7816      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.9133  
Stddev      .1883  
%RSD      6.4639

#1      3.0465  
#2      2.7801

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3181.8 | 43257. | 3892.1 | 92.545 | 3464.8 |
| Stddev    | 15.5   | 253.   | 60.1   | 2.472  | 4.2    |
| %RSD      | .48784 | .58384 | 1.5445 | 2.6712 | .12248 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3170.9 | 43435. | 3849.6 | 90.797 | 3461.8 |
| #2 | 3192.8 | 43078. | 3934.6 | 94.293 | 3467.8 |

Sample Name: CCB12      Acquired: 12/18/2018 22:23:54      Type: Unk  
Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7816      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |         |        |          |
|--------|----------|---------|---------|---------|---------|---------|--------|----------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | .00143   | .00248  | -.00002 | -.00324 | .00141  | -.01085 | .00141 | .00002   |
| Stddev | .00113   | .00074  | .00012  | .00090  | .00177  | .00504  | .00045 | .00002   |
| %RSD   | 79.539   | 29.904  | 664.22  | 27.752  | 125.08  | 46.432  | 31.959 | 94.396   |
| #1     | .00062   | .00196  | .00007  | -.00387 | .00266  | -.00729 | .00109 | .00003   |
| #2     | .00223   | .00300  | -.00011 | -.00260 | .00016  | -.01441 | .00173 | .00001   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | -.00002  | -.00742 | .00037  | .00001  | -.00198 | .00245  | .00016 | -.00215  |
| Stddev | .00005   | .01428  | .00046  | .00010  | .00014  | .00740  | .00007 | .03225   |
| %RSD   | 278.58   | 192.50  | 124.71  | 1980.0  | 7.2820  | 302.58  | 45.346 | 1501.7   |
| #1     | .00002   | -.01752 | .00004  | -.00007 | -.00188 | .00768  | .00021 | -.02495  |
| #2     | -.00005  | .00268  | .00069  | .00008  | -.00208 | -.00279 | .00011 | .02065   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | -.00052  | -.00016 | -.11107 | .00023  | .00174  | -.02274 | .00048 | .00301   |
| Stddev | .00021   | .00015  | .00092  | .00014  | .00014  | .02499  | .00027 | .00026   |
| %RSD   | 40.948   | 91.535  | .83179  | 60.895  | 7.8921  | 109.88  | 55.273 | 8.7432   |
| #1     | -.00067  | -.00006 | -.11173 | .00033  | .00184  | -.04041 | .00067 | .00319   |
| #2     | -.00037  | -.00026 | -.11042 | .00013  | .00165  | -.00507 | .00029 | .00282   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | F .08455 | .00350  | -.00061 | .00077  | -.00274 | .0000   | .00009 | F 1.9638 |
| Stddev | .00671   | .00026  | .00032  | .00253  | .00174  | .0004   | .00002 | .0523    |
| %RSD   | 7.9322   | 7.5600  | 53.433  | 327.03  | 63.537  | 6254.   | 26.901 | 2.6616   |
| #1     | .08929   | .00369  | -.00038 | -.00101 | -.00151 | .0003   | .00007 | 2.0008   |
| #2     | .07981   | .00331  | -.00084 | .00256  | -.00397 | -.0003  | .00010 | 1.9269   |



Sample Name: CCB12      Acquired: 12/18/2018 22:23:54      Type: Unk  
 Method: P4-ICP2(v2662)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB7816      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .43981 |
| Stddev | .25415   |
| %RSD   | 57.786   |

|    |        |
|----|--------|
| #1 | .61952 |
| #2 | .26010 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3322.4 | 45085. | 3924.7 | 98.263 | 3953.8 |
| Stddev    | .8     | 492.   | 33.3   | 1.479  | 1.9    |
| %RSD      | .02276 | 1.0915 | .84793 | 1.5052 | .04734 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3322.9 | 44737. | 3948.2 | 99.308 | 3955.1 |
| #2 | 3321.9 | 45433. | 3901.2 | 97.217 | 3952.5 |