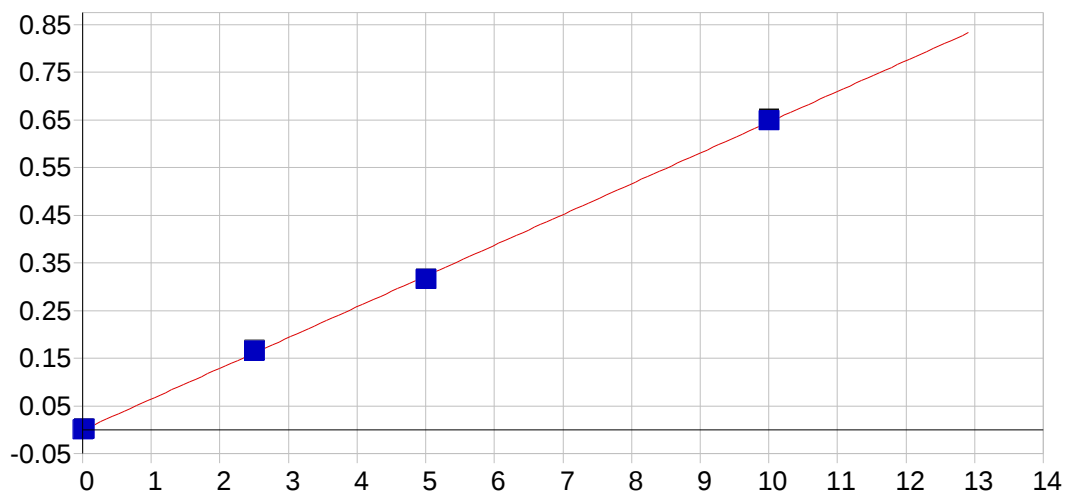


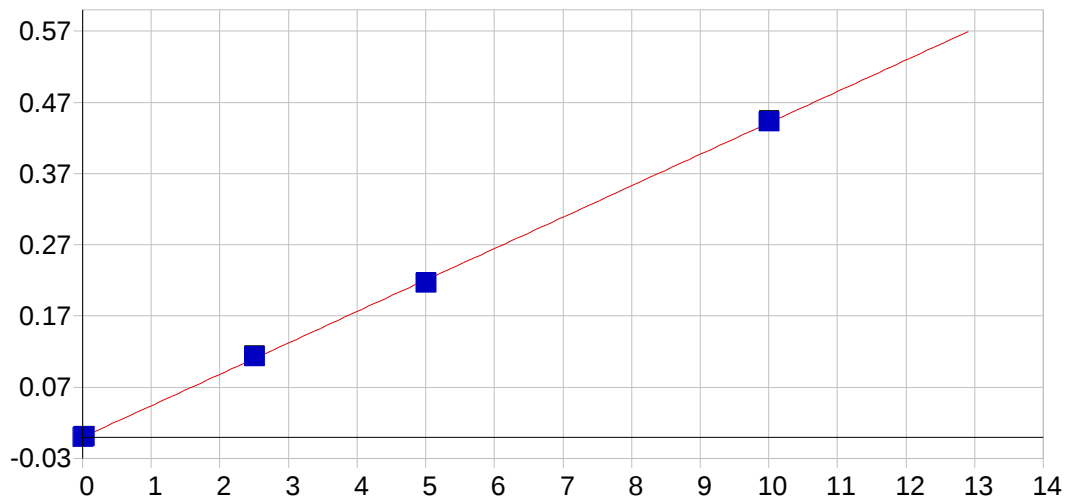


As 189.042 {478}

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000273 Re-Slope: 1.000000  
 A1 (Gain): 0.064520 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999868 Status: OK.  
 Std Error of Est: 0.000025  
 Predicted MDL: 0.002288  
 Predicted MQL: 0.007628

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00027 | .000    | 1        |
| S1        | .02000       | .02031      | .000       | 1.54    | .00104  | .000    | 1        |
| S3        | 2.5000       | 2.5661      | .066       | 2.64    | .16528  | .001    | 1        |
| S4        | 5.0000       | 4.8853      | -.115      | -2.29   | .31491  | .001    | 1        |
| S5        | 10.000       | 10.048      | .048       | .483    | .64801  | .002    | 1        |



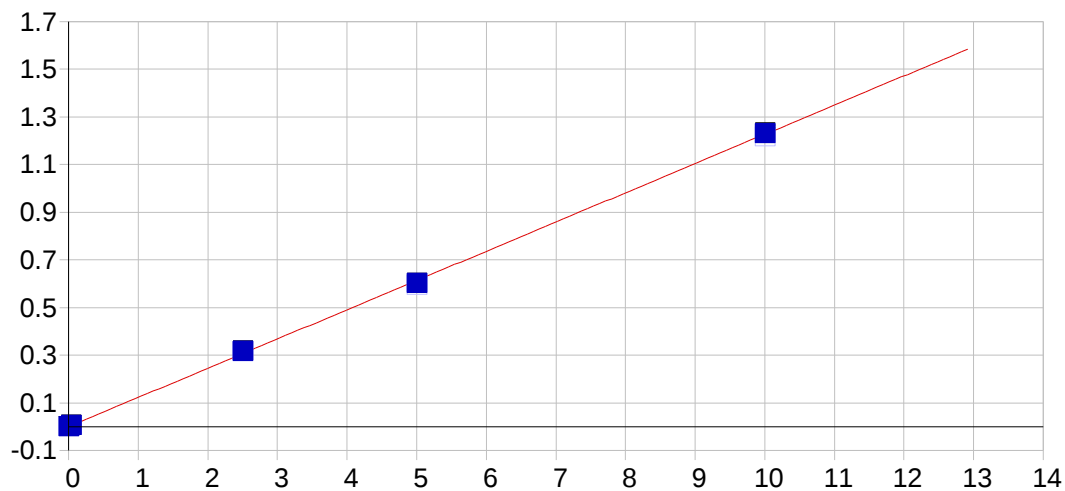
As 189.042 {479}

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000099 Re-Slope: 1.000000

A1 (Gain): 0.044127 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999877 Status: OK.  
 Std Error of Est: 0.000017  
 Predicted MDL: 0.002165  
 Predicted MQL: 0.007215

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00010 | .000    | 1        |
| S1        | .02000       | .02217      | .002       | 10.9    | .00088  | .000    | 1        |
| S3        | 2.5000       | 2.5671      | .067       | 2.68    | .11318  | .000    | 1        |
| S4        | 5.0000       | 4.8960      | -.104      | -2.08   | .21595  | .001    | 1        |
| S5        | 10.000       | 10.035      | .035       | .348    | .44271  | .001    | 1        |

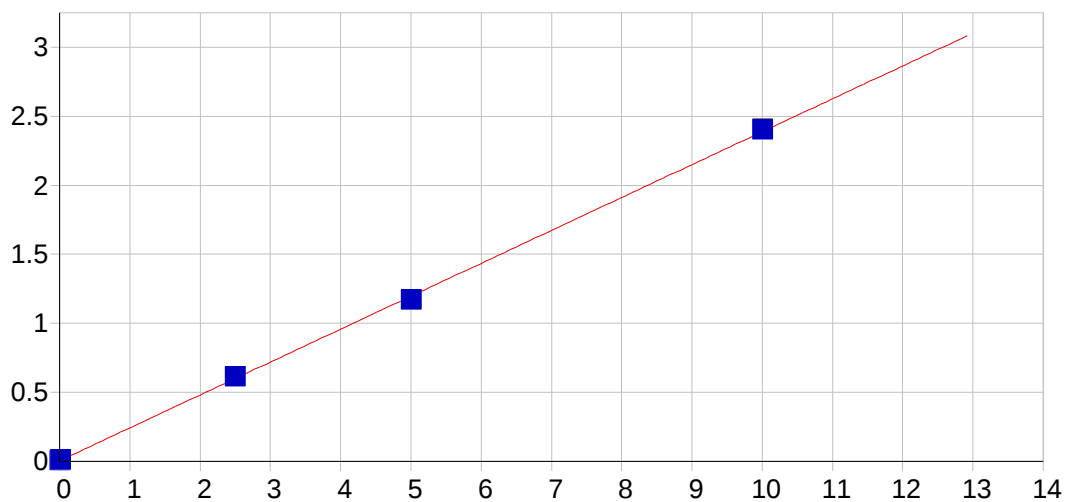


TI 190.856 {477}

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000351 Re-Slope: 1.000000  
 A1 (Gain): 0.122748 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999847 Status: OK.  
 Std Error of Est: 0.000073  
 Predicted MDL: 0.000987  
 Predicted MQL: 0.003291

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00035 | .000    | 1        |
| S1        | .04000       | .04107      | .001       | 2.68    | .00456  | .000    | 1        |
| S3        | 2.5000       | 2.5843      | .084       | 3.37    | .31372  | .000    | 1        |
| S4        | 5.0000       | 4.8920      | -.108      | -2.16   | .59384  | .002    | 1        |
| S5        | 10.000       | 10.023      | .023       | .227    | 1.2173  | .003    | 1        |

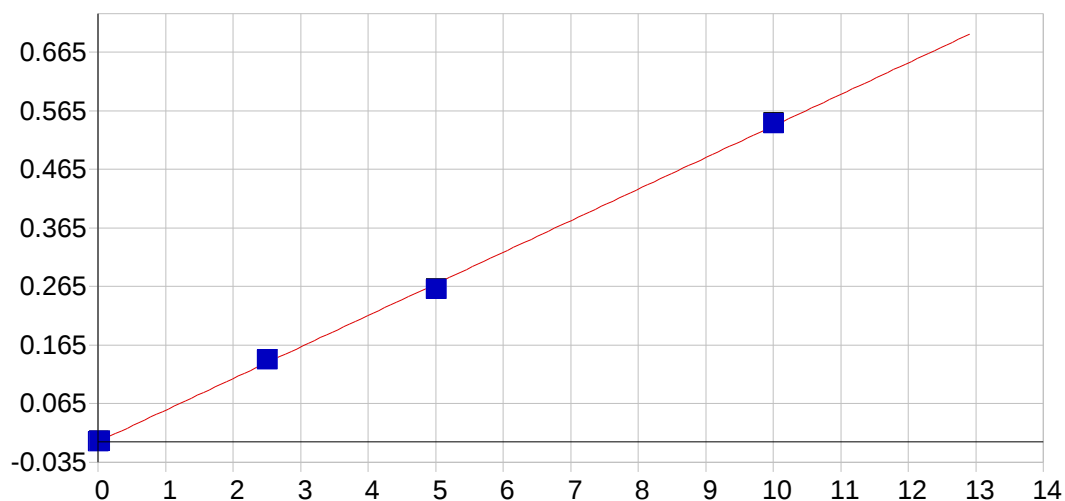


Pb 220.353 (453)

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004706 Re-Slope: 1.000000  
 A1 (Gain): 0.238317 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999883 Status: OK.  
 Std Error of Est: 0.000068  
 Predicted MDL: 0.000806  
 Predicted MQL: 0.002686

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00471 | .000    | 1        |
| S1        | .01200       | .01244      | .000       | 3.64    | .00761 | .000    | 1        |
| S3        | 2.5000       | 2.5552      | .055       | 2.21    | .61278 | .000    | 1        |
| S4        | 5.0000       | 4.8874      | -.113      | -2.25   | 1.1677 | .001    | 1        |
| S5        | 10.000       | 10.057      | .057       | .570    | 2.3980 | .004    | 1        |



Se 196.090 (472)

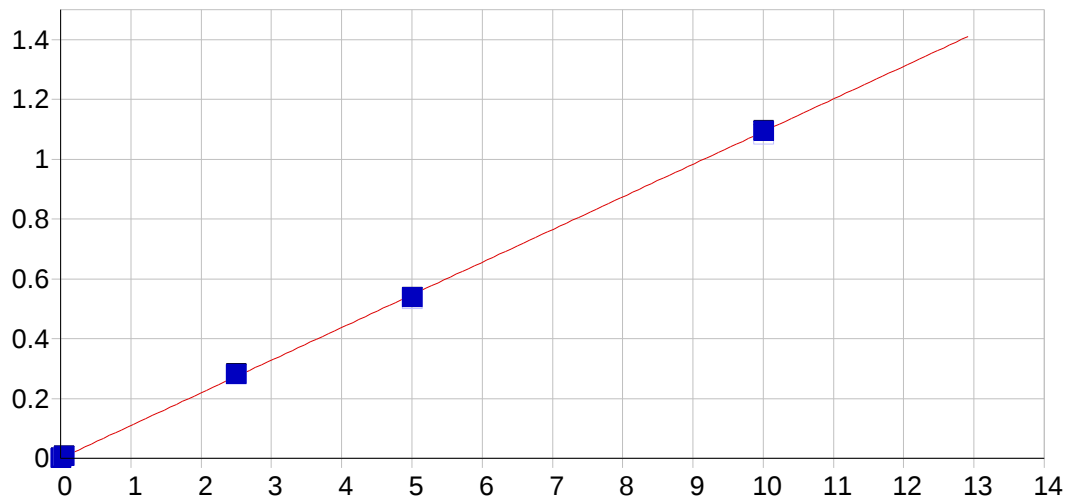
Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000003 Re-Slope: 1.000000  
 A1 (Gain): 0.053873 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999718  
 Std Error of Est: 0.000031  
 Predicted MDL: 0.002513  
 Predicted MQL: 0.008376

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00000 | .000    | 1        |
| S1        | .02000       | .01928      | -.001      | -3.62   | .00104 | .000    | 1        |
| S3        | 2.5000       | 2.5936      | .094       | 3.74    | .13970 | .000    | 1        |
| S4        | 5.0000       | 4.8305      | -.170      | -3.39   | .26018 | .001    | 1        |
| S5        | 10.000       | 10.077      | .077       | .766    | .54274 | .001    | 1        |



Sb 206.833 {463}

Date of Fit: 4/10/2019 16:33:24

Type of Fit: Linear

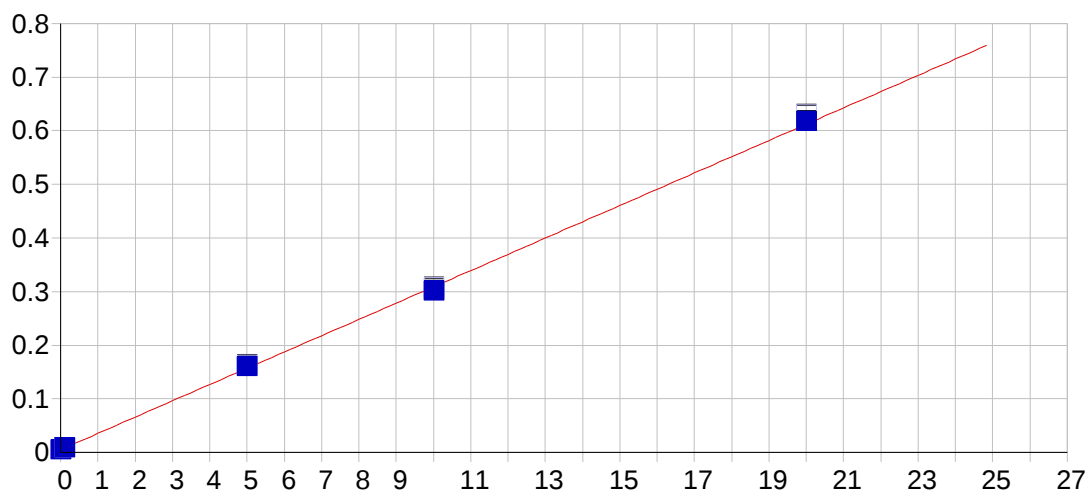
Weighting: 1/Conc

A0 (Offset): 0.000453  
 A1 (Gain): 0.109175  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999901  
 Std Error of Est: 0.000058  
 Predicted MDL: 0.001488  
 Predicted MQL: 0.004961

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    | .00045 | .000    | 1        |
| S1        | .05000       | .05143      | .001       | 2.85    | .00593 | .000    | 1        |
| S3        | 2.5000       | 2.5703      | .070       | 2.81    | .27799 | .001    | 1        |
| S4        | 5.0000       | 4.9170      | -.083      | -1.66   | .53113 | .001    | 1        |
| S5        | 10.000       | 10.011      | .011       | .113    | 1.0812 | .001    | 1        |

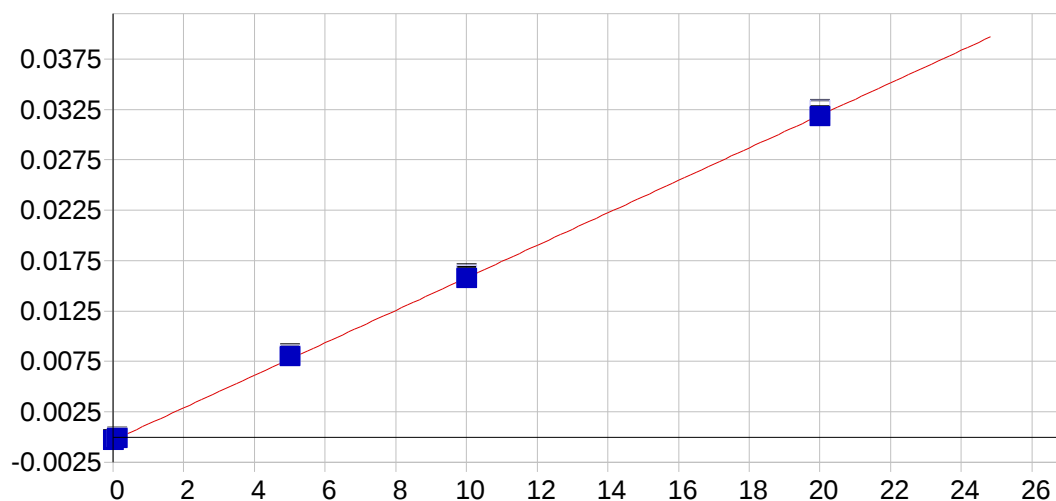


AI 308.215 {109}

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.005116 Re-Slope: 1.000000  
 A1 (Gain): 0.030364 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999866 Status: OK.  
 Std Error of Est: 0.000039  
 Predicted MDL: 0.002632  
 Predicted MQL: 0.008772

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00512 | .000    | 1        |
| S1        | .10000       | .10371      | .004       | 3.71    | .00848 | .000    | 1        |
| S3        | 5.0000       | 5.0957      | .096       | 1.91    | .16286 | .000    | 1        |
| S4        | 10.000       | 9.7432      | -.257      | -2.57   | .30700 | .001    | 1        |
| S5        | 20.000       | 20.157      | .157       | .786    | .62926 | .001    | 1        |



AI 309.271 {109}

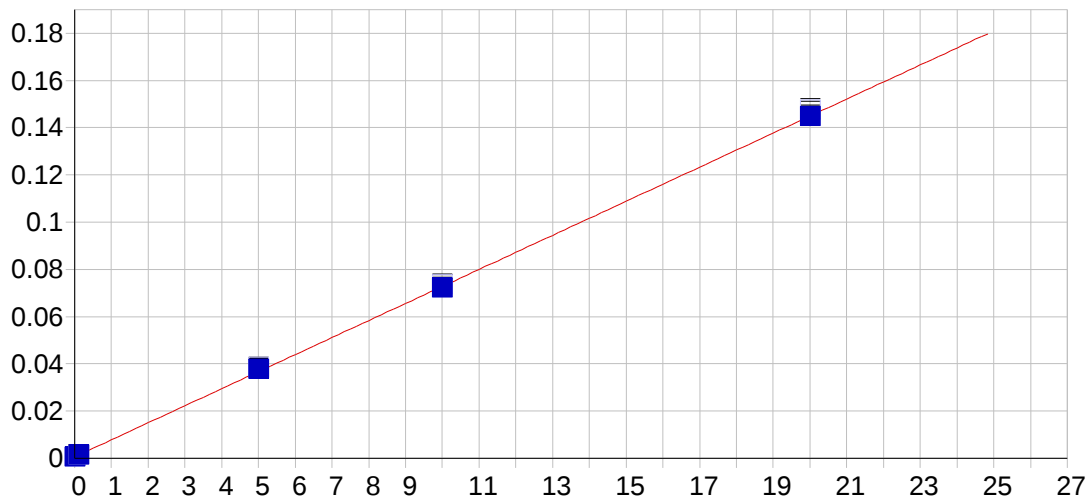
Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000320 Re-Slope: 1.000000  
 A1 (Gain): 0.001612 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999878  
 Std Error of Est: 0.000002  
 Predicted MDL: 0.031036  
 Predicted MQL: 0.103453

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | -.00032 | .000    | 1        |
| S1        | .10000       | .12156      | .022       | 21.6    | -.00011 | .000    | 1        |
| S3        | 5.0000       | 5.1313      | .131       | 2.63    | .00811  | .000    | 1        |
| S4        | 10.000       | 9.9352      | -.065      | -.648   | .01601  | .000    | 1        |
| S5        | 20.000       | 19.911      | -.089      | -.446   | .03241  | .000    | 1        |



AI 396.152 { 85}

Date of Fit: 4/10/2019 16:33:24

Type of Fit: Linear

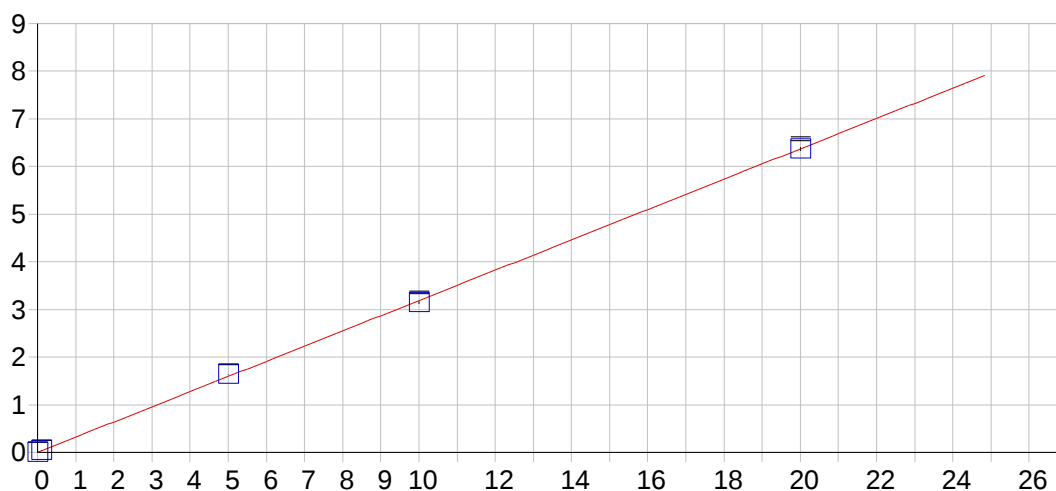
Weighting: 1/Conc

A0 (Offset): 0.000617  
 A1 (Gain): 0.007216  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999937  
 Std Error of Est: 0.000006  
 Predicted MDL: 0.011879  
 Predicted MQL: 0.039596

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    | .00062 | .000    | 1        |
| S1        | .10000       | .10005      | .000       | .051    | .00139 | .000    | 1        |
| S3        | 5.0000       | 5.1349      | .135       | 2.70    | .03839 | .000    | 1        |
| S4        | 10.000       | 9.9042      | -.096      | -.958   | .07352 | .000    | 1        |
| S5        | 20.000       | 19.961      | -.039      | -.196   | .14753 | .001    | 1        |

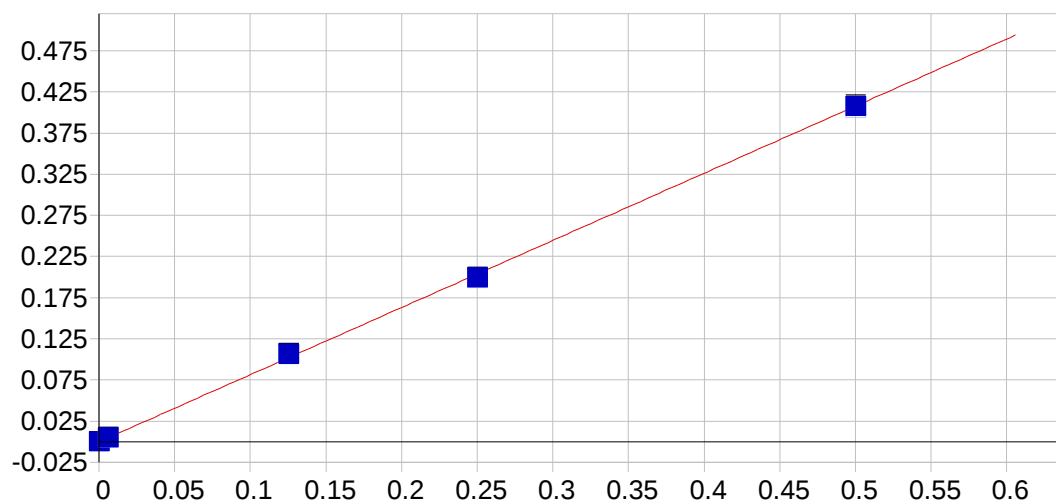


Ba 493.409 { 68}

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000833 Re-Slope: 1.000000  
 A1 (Gain): 0.318539 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999918 Status: OK.  
 Std Error of Est: 0.000311  
 Predicted MDL: 0.000544  
 Predicted MQL: 0.001814

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00083 | .000    | 1        |
| S1        | .10000       | .10545      | .005       | 5.45    | .03442 | .000    | 1        |
| S3        | 5.0000       | 5.1348      | .135       | 2.70    | 1.6365 | .005    | 1        |
| S5        | 20.000       | 19.994      | -.006      | -.030   | 6.3697 | .042    | 1        |
| S4        | 10.000       | 9.8657      | -.134      | -1.34   | 3.1434 | .028    | 1        |



Be 234.861 {144}

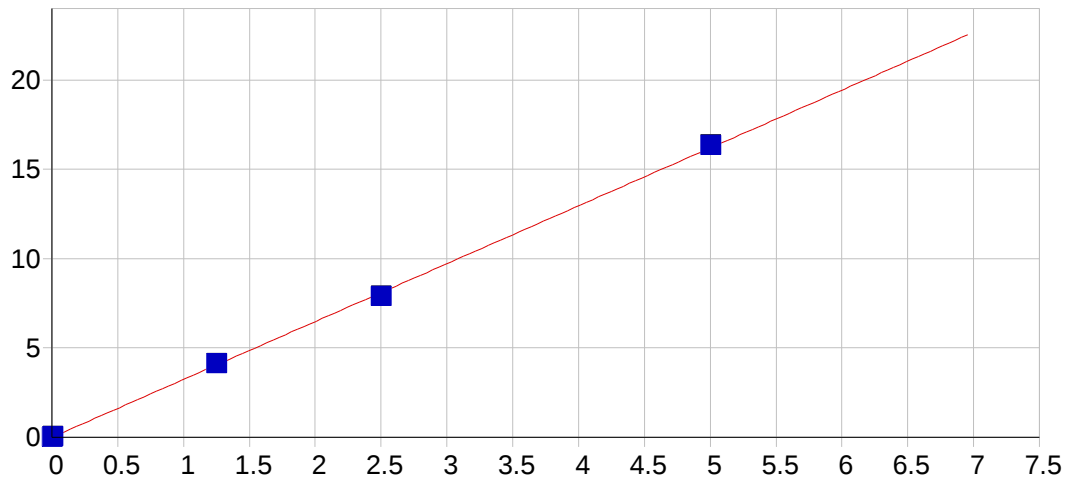
Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000152 Re-Slope: 1.000000  
 A1 (Gain): 0.815787 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999764  
 Std Error of Est: 0.000052  
 Predicted MDL: 0.000066  
 Predicted MQL: 0.000221

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00015 | .000    | 1        |
| S1        | .00600       | .00623      | .000       | 3.81    | .00488  | .000    | 1        |
| S3        | .12500       | .13086      | .006       | 4.69    | .10596  | .000    | 1        |
| S4        | .25000       | .24437      | -.006      | -2.25   | .19792  | .001    | 1        |
| S5        | .50000       | .49954      | -.000      | -.091   | .40480  | .001    | 1        |



Cd 226.502 {449}

Date of Fit: 4/10/2019 16:33:24

Type of Fit: Linear

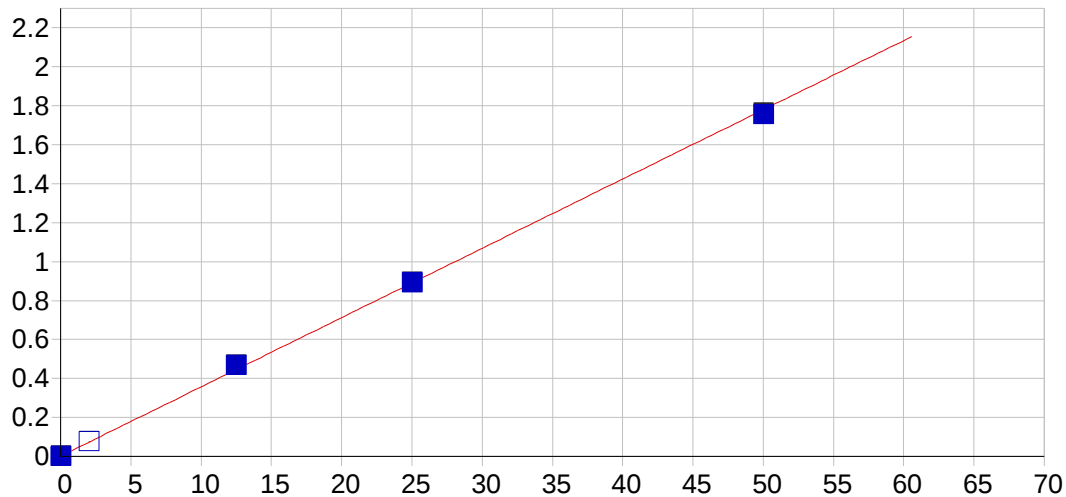
Weighting: 1/Conc

A0 (Offset): 0.000612  
 A1 (Gain): 3.238838  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999861  
 Std Error of Est: 0.000506  
 Predicted MDL: 0.000066  
 Predicted MQL: 0.000221

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00061 | .000    | 1        |
| S1        | .00600       | .00598      | -.000      | -.391   | .02001 | .000    | 1        |
| S3        | 1.2500       | 1.2718      | .022       | 1.74    | 4.1206 | .001    | 1        |
| S4        | 2.5000       | 2.4350      | -.065      | -2.60   | 7.8892 | .004    | 1        |
| S5        | 5.0000       | 5.0432      | .043       | .864    | 16.338 | .022    | 1        |

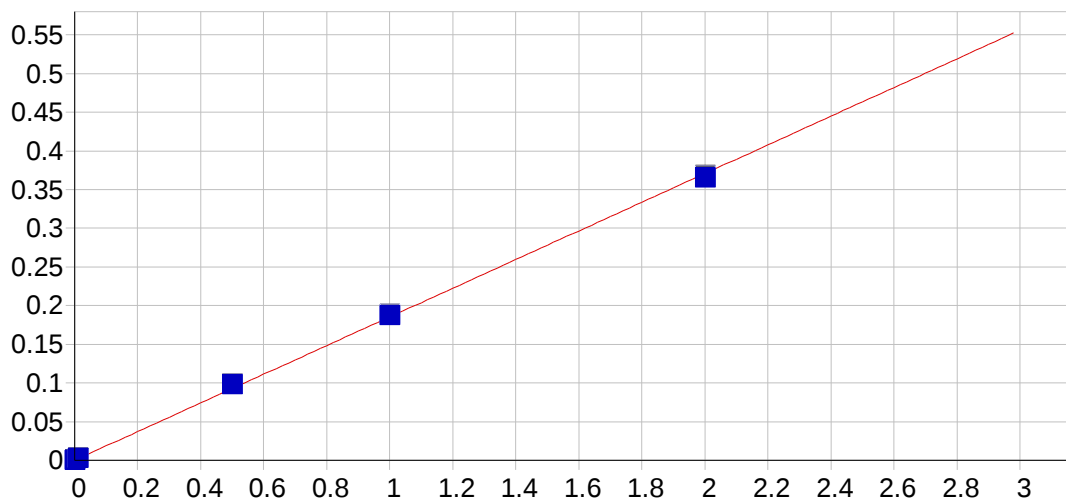


Ca 373.690 { 90}

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001198 Re-Slope: 1.000000  
 A1 (Gain): 0.035565 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999773 Status: OK.  
 Std Error of Est: 0.000414  
 Predicted MDL: 0.015471  
 Predicted MQL: 0.051569

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.0903      | .090       | 4.51    | .07554 | .001    | 1        |
| S0        | .00000       | -.00016     | -.000      | .000    | .00119 | .000    | 1        |
| S3        | 12.500       | 13.075      | .575       | 4.60    | .46646 | .001    | 1        |
| S4        | 25.000       | 25.041      | .041       | .164    | .89226 | .002    | 1        |
| S5        | 50.000       | 49.293      | -.707      | -1.41   | 1.7553 | .005    | 1        |



Cr 267.716 {126}

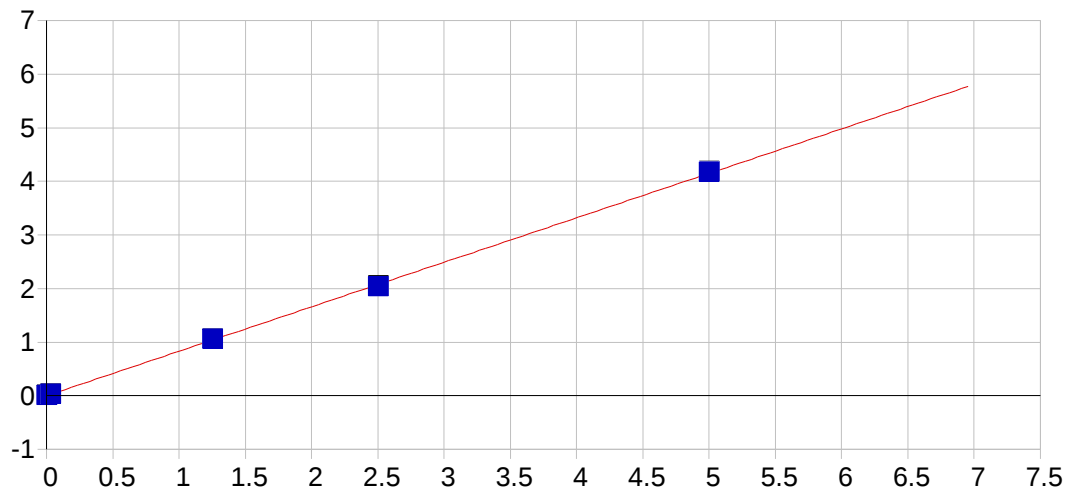
Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000101 Re-Slope: 1.000000  
 A1 (Gain): 0.185315 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999723  
 Std Error of Est: 0.000034  
 Predicted MDL: 0.000400  
 Predicted MQL: 0.001335

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00010 | .000    | 1        |
| S1        | .01000       | .01076      | .001       | 7.56    | .00210 | .000    | 1        |
| S3        | .50000       | .52548      | .025       | 5.10    | .09821 | .000    | 1        |
| S4        | 1.0000       | 1.0073      | .007       | .735    | .18823 | .000    | 1        |
| S5        | 2.0000       | 1.9664      | -.034      | -1.68   | .36742 | .001    | 1        |



Co 228.616 {447}

Date of Fit: 4/10/2019 16:33:24

Type of Fit: Linear

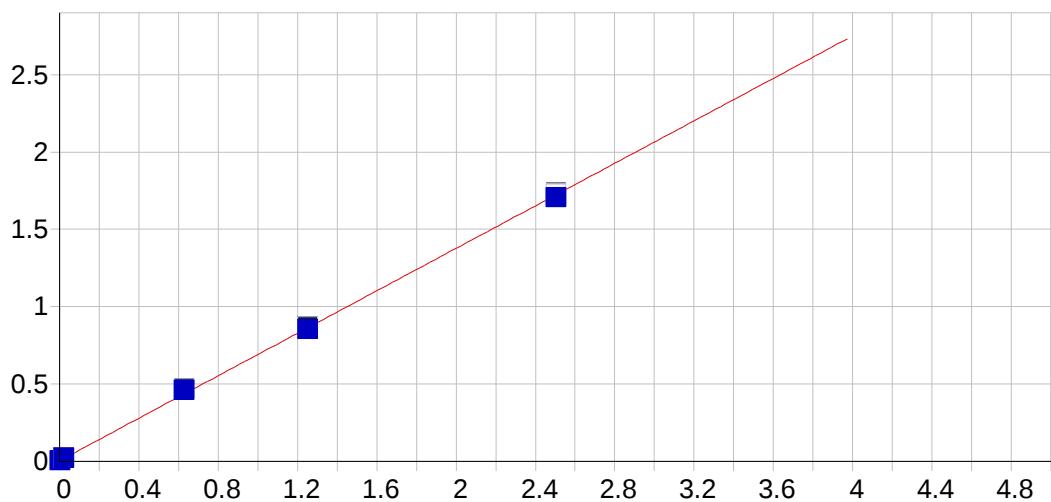
Weighting: 1/Conc

A0 (Offset): -0.000782  
 A1 (Gain): 0.829927  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999933  
 Std Error of Est: 0.000201  
 Predicted MDL: 0.000217  
 Predicted MQL: 0.000725

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    | -.00078 | .000    | 1        |
| S1        | .03000       | .02977      | -.000      | -.751   | .02376  | .000    | 1        |
| S3        | 1.2500       | 1.2646      | .015       | 1.17    | 1.0496  | .002    | 1        |
| S4        | 2.5000       | 2.4548      | -.045      | -1.81   | 2.0382  | .003    | 1        |
| S5        | 5.0000       | 5.0308      | .031       | .615    | 4.1776  | .005    | 1        |

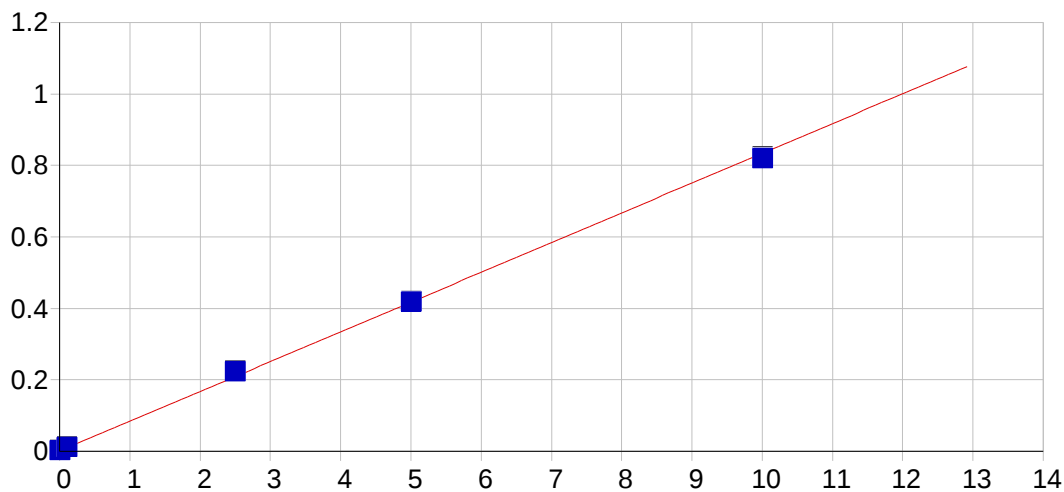


Cu 224.700 {450}

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004388 Re-Slope: 1.000000  
 A1 (Gain): 0.686495 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999687 Status: OK.  
 Std Error of Est: 0.000211  
 Predicted MDL: 0.000350  
 Predicted MQL: 0.001167

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00439 | .000    | 1        |
| S1        | .02000       | .02199      | .002       | 9.95    | .01970 | .000    | 1        |
| S3        | .62500       | .66232      | .037       | 5.97    | .46600 | .001    | 1        |
| S4        | 1.2500       | 1.2372      | -.013      | -1.03   | .86756 | .001    | 1        |
| S5        | 2.5000       | 2.4735      | -.026      | -1.06   | 1.7302 | .002    | 1        |



Fe 240.488 {140}

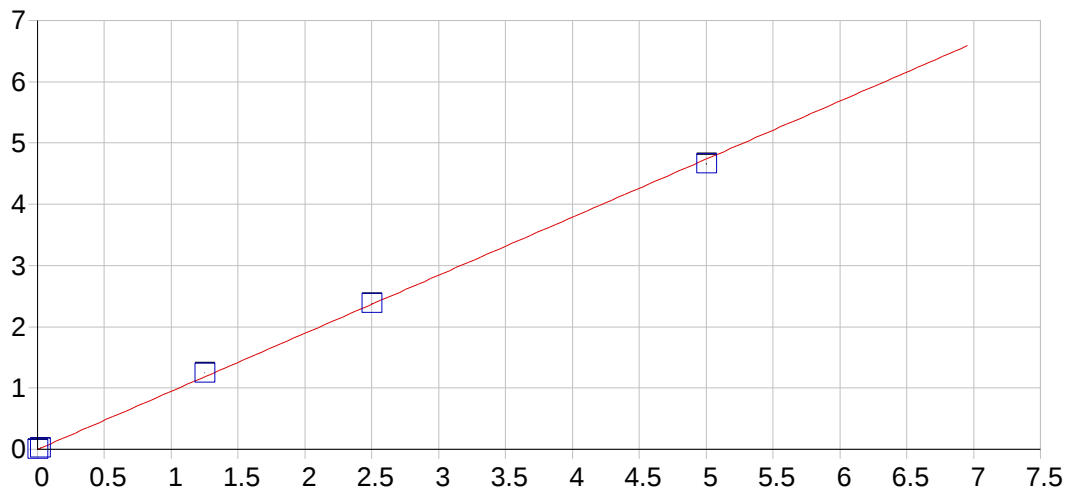
Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000953 Re-Slope: 1.000000  
 A1 (Gain): 0.083286 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999556  
 Std Error of Est: 0.000135  
 Predicted MDL: 0.000686  
 Predicted MQL: 0.002287

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00095 | .000    | 1        |
| S1        | .10000       | .11419      | .014       | 14.2    | .01050 | .000    | 1        |
| S3        | 2.5000       | 2.6636      | .164       | 6.54    | .22357 | .000    | 1        |
| S4        | 5.0000       | 4.9968      | -.003      | -.064   | .41867 | .001    | 1        |
| S5        | 10.000       | 9.8254      | -.175      | -1.75   | .82238 | .002    | 1        |



Mn 257.610 {131}

Date of Fit: 4/10/2019 16:33:24

Type of Fit: Linear

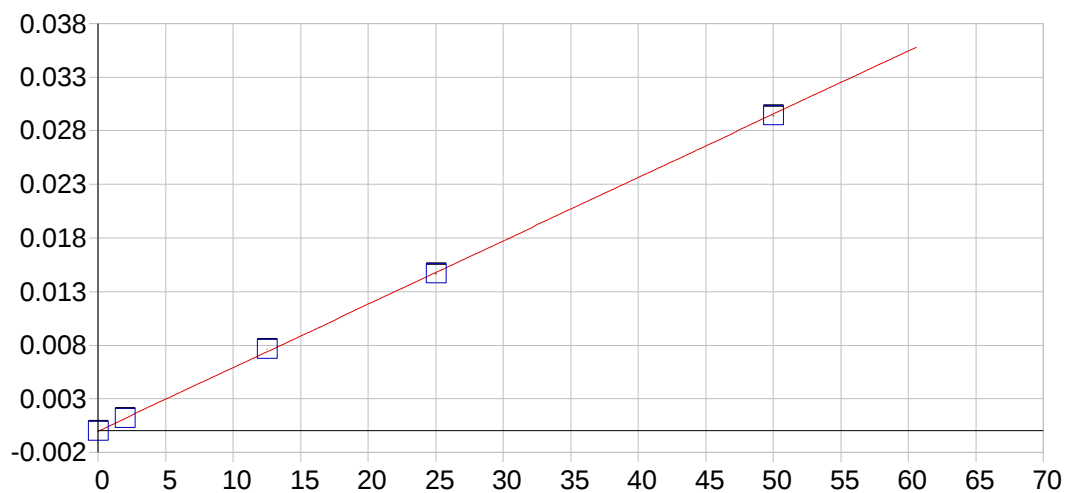
Weighting: 1/Conc

A0 (Offset): 0.000119  
 A1 (Gain): 0.947346  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999699  
 Std Error of Est: 0.000397  
 Predicted MDL: 0.000066  
 Predicted MQL: 0.000220

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    | .00012 | .000    | 1        |
| S1        | .02000       | .02254      | .003       | 12.7    | .02147 | .000    | 1        |
| S3        | 1.2500       | 1.3166      | .067       | 5.33    | 1.2474 | .001    | 1        |
| S4        | 2.5000       | 2.5127      | .013       | .508    | 2.3805 | .002    | 1        |
| S5        | 5.0000       | 4.9181      | -.082      | -1.64   | 4.6593 | .015    | 1        |

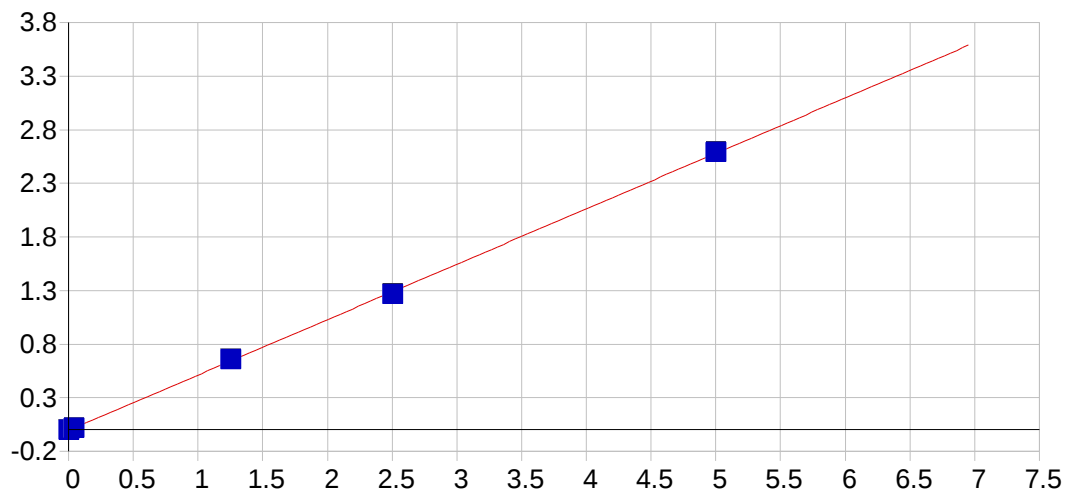


Mg 279.079 {121}

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000011 Re-Slope: 1.000000  
 A1 (Gain): 0.000591 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999912 Status: OK.  
 Std Error of Est: 0.000004  
 Predicted MDL: 0.044497  
 Predicted MQL: 0.148324

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.0275      | .027       | 1.37    | .00119  | .000    | 1        |
| S0        | .00000       | -.00007     | -.000      | .000    | -.00001 | .000    | 1        |
| S3        | 12.500       | 12.900      | .400       | 3.20    | .00762  | .000    | 1        |
| S4        | 25.000       | 24.810      | -.190      | -.758   | .01466  | .000    | 1        |
| S5        | 50.000       | 49.762      | -.238      | -.476   | .02941  | .000    | 1        |



Ni 231.604 {445}

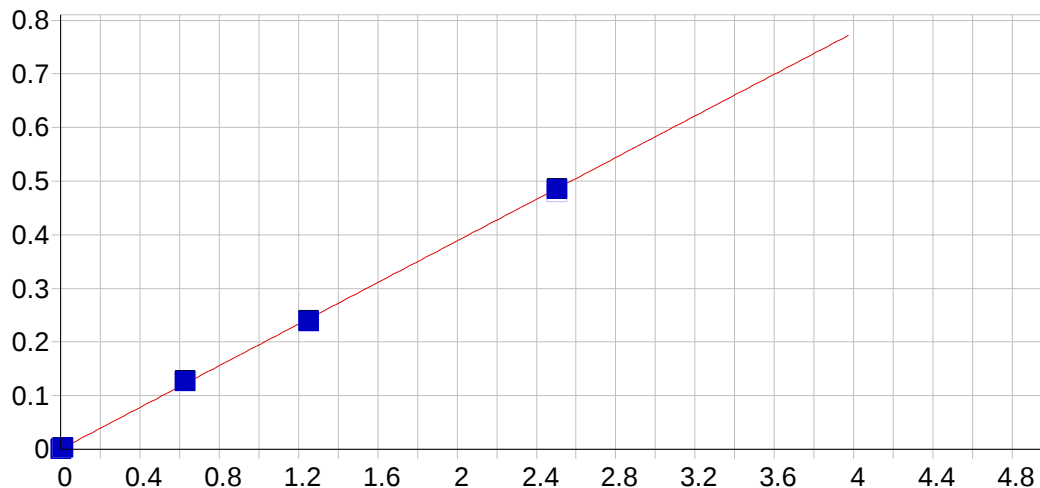
Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.005414 Re-Slope: 1.000000  
 A1 (Gain): 0.516857 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999910  
 Std Error of Est: 0.000168  
 Predicted MDL: 0.000377  
 Predicted MQL: 0.001256

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00541 | .000    | 1        |
| S1        | .04000       | .04028      | .000       | .691    | .01541  | .000    | 1        |
| S3        | 1.2500       | 1.2798      | .030       | 2.38    | .65676  | .001    | 1        |
| S4        | 2.5000       | 2.4544      | -.046      | -1.83   | 1.2645  | .001    | 1        |
| S5        | 5.0000       | 5.0156      | .016       | .312    | 2.5897  | .002    | 1        |



Ag 328.068 {103}

Date of Fit: 4/10/2019 16:33:24

Type of Fit: Linear

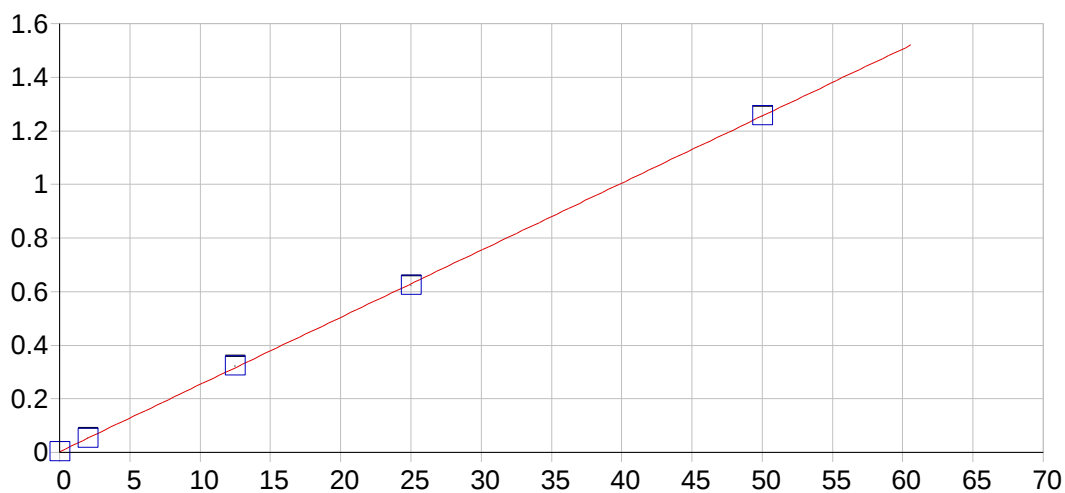
Weighting: 1/Conc

A0 (Offset): 0.000488  
 A1 (Gain): 0.194099  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999819  
 Std Error of Est: 0.000031  
 Predicted MDL: 0.000553  
 Predicted MQL: 0.001844

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    | .00049 | .000    | 1        |
| S1        | .01000       | .01077      | .001       | 7.69    | .00254 | .000    | 1        |
| S3        | .62500       | .65179      | .027       | 4.29    | .12562 | .000    | 1        |
| S4        | 1.2500       | 1.2298      | -.020      | -1.62   | .23643 | .001    | 1        |
| S5        | 2.5000       | 2.4927      | -.007      | -.293   | .47881 | .001    | 1        |

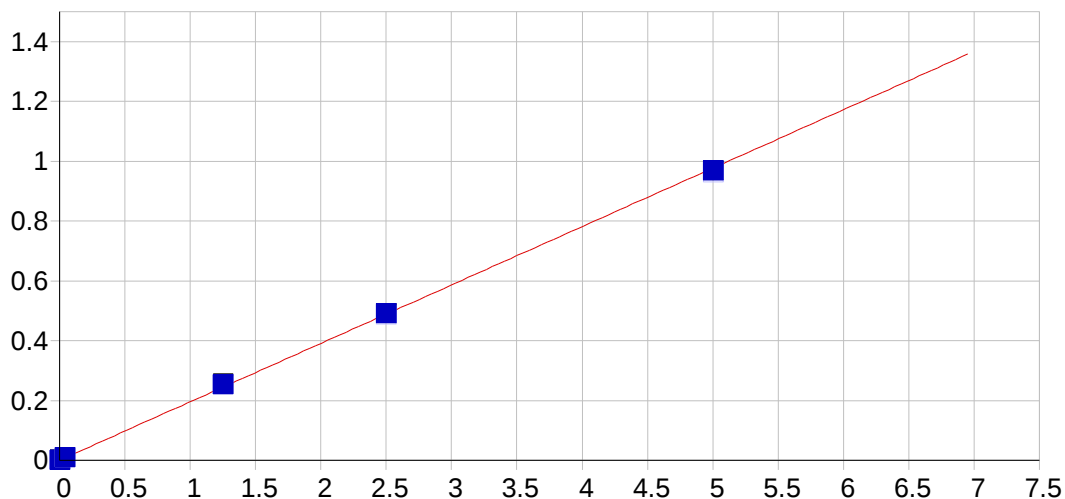


Na 589.592 { 57}

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002929 Re-Slope: 1.000000  
 A1 (Gain): 0.025045 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999958 Status: OK.  
 Std Error of Est: 0.000126  
 Predicted MDL: 0.008862  
 Predicted MQL: 0.029541

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 1.9984      | -.002      | -.079   | .05298 | .001    | 1        |
| S0        | .00000       | -.00002     | -.000      | .000    | .00293 | .000    | 1        |
| S3        | 12.500       | 12.750      | .250       | 2.00    | .32225 | .001    | 1        |
| S4        | 25.000       | 24.745      | -.255      | -1.02   | .62268 | .001    | 1        |
| S5        | 50.000       | 50.006      | .006       | .013    | 1.2553 | .001    | 1        |



V 292.402 {115}

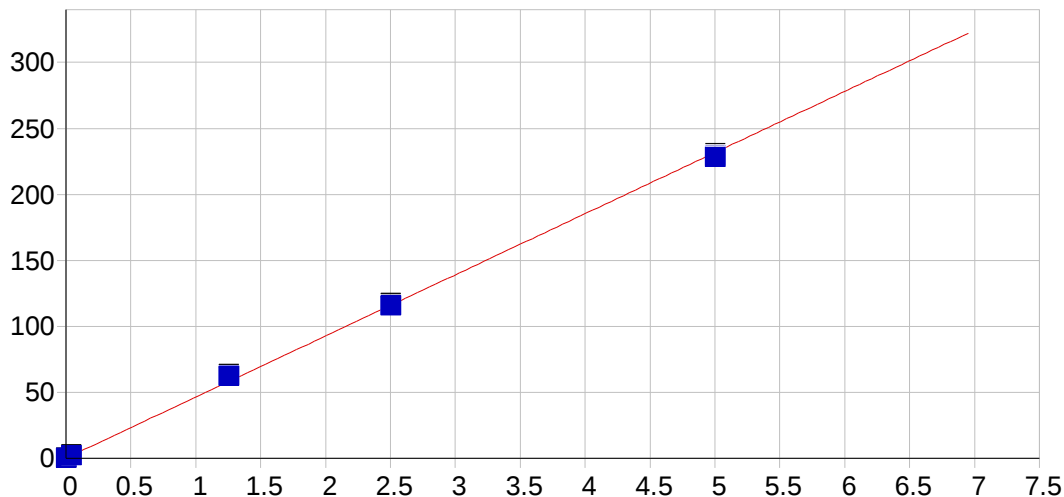
Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000349 Re-Slope: 1.000000  
 A1 (Gain): 0.195292 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999864  
 Std Error of Est: 0.000077  
 Predicted MDL: 0.000426  
 Predicted MQL: 0.001419

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00035 | .000    | 1        |
| S1        | .04000       | .04301      | .003       | 7.52    | .00863 | .000    | 1        |
| S3        | 1.2500       | 1.2949      | .045       | 3.59    | .25164 | .001    | 1        |
| S4        | 2.5000       | 2.5031      | .003       | .126    | .48600 | .000    | 1        |
| S5        | 5.0000       | 4.9490      | -.051      | -1.02   | .96047 | .001    | 1        |



Zn 206.200 {163}

Date of Fit: 4/10/2019 16:33:24

Type of Fit: Linear

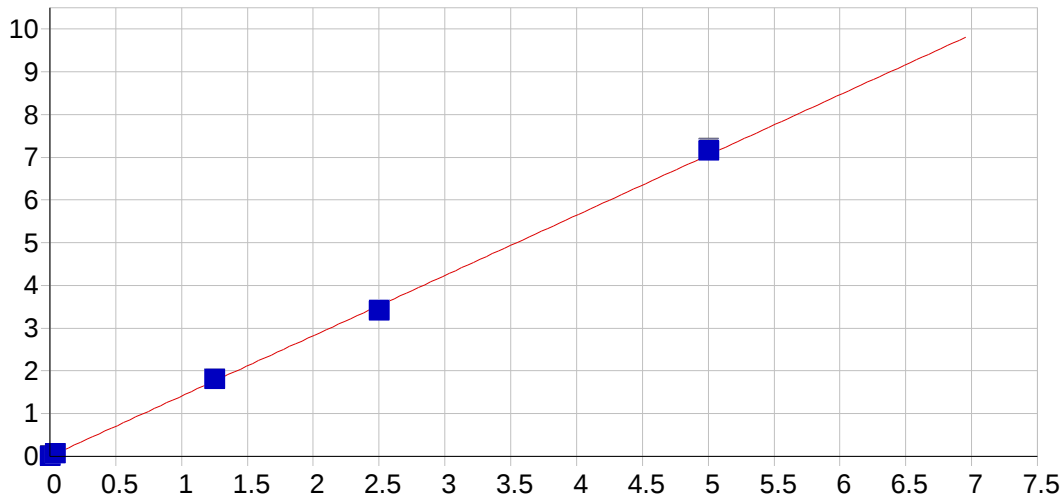
Weighting: 1/Conc

A0 (Offset): 0.084658  
 A1 (Gain): 46.331644  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999512  
 Std Error of Est: 0.035259  
 Predicted MDL: 0.000401  
 Predicted MQL: 0.001338

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    | .08434 | .027    | 1        |
| S1        | .04000       | .04478      | .005       | 12.0    | 2.1716 | .058    | 1        |
| S3        | 1.2500       | 1.3410      | .091       | 7.28    | 62.563 | 1.07    | 1        |
| S4        | 2.5000       | 2.4898      | -.010      | -.406   | 116.14 | 1.29    | 1        |
| S5        | 5.0000       | 4.9144      | -.086      | -1.71   | 229.18 | 1.74    | 1        |

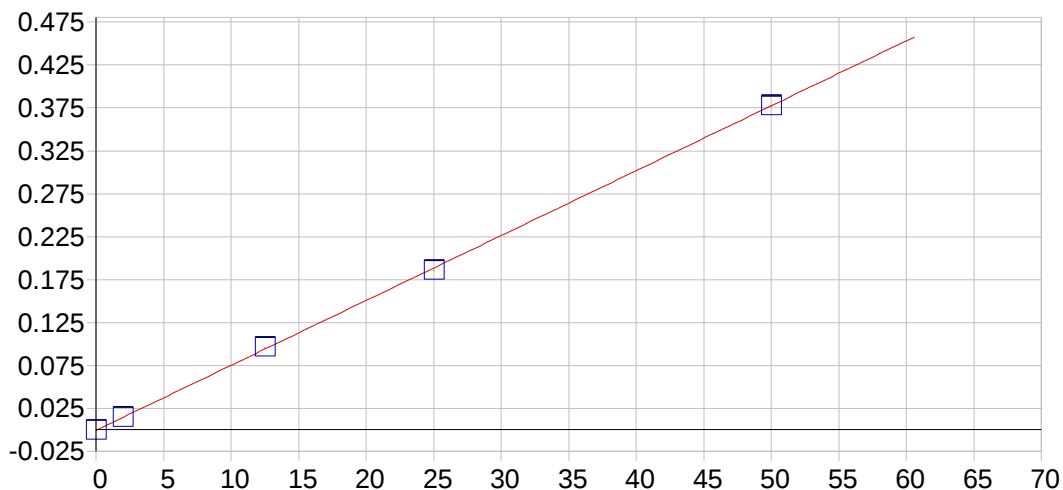


Zn 213.856 {458}

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002476 Re-Slope: 1.000000  
 A1 (Gain): 1.410230 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999743 Status: OK.  
 Std Error of Est: 0.000778  
 Predicted MDL: 0.000095  
 Predicted MQL: 0.000318

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00248 | .000    | 1        |
| S1        | .04000       | .03916      | -.001      | -2.11   | .05809 | .000    | 1        |
| S3        | 1.2500       | 1.2710      | .021       | 1.68    | 1.8061 | .001    | 1        |
| S4        | 2.5000       | 2.4101      | -.090      | -3.59   | 3.4238 | .002    | 1        |
| S5        | 5.0000       | 5.0697      | .070       | 1.39    | 7.1969 | .010    | 1        |



K 766.490 {44}

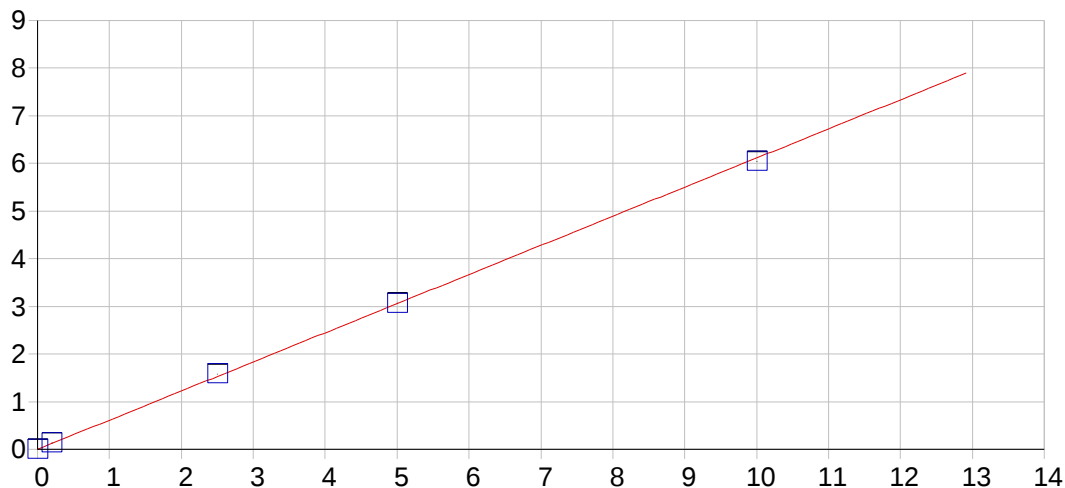
Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000543 Re-Slope: 1.000000  
 A1 (Gain): 0.007560 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999927  
 Std Error of Est: 0.000050  
 Predicted MDL: 0.032409  
 Predicted MQL: 0.108029

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.0374      | .037       | 1.87    | .01486  | .000    | 1        |
| S0        | .00000       | -.00006     | -.000      | .000    | -.00054 | .000    | 1        |
| S3        | 12.500       | 12.802      | .302       | 2.41    | .09624  | .000    | 1        |
| S4        | 25.000       | 24.641      | -.359      | -1.44   | .18575  | .000    | 1        |
| S5        | 50.000       | 50.020      | .020       | .039    | .37763  | .001    | 1        |



Mo 202.030 {467}

Date of Fit: 4/10/2019 16:33:24

Type of Fit: Linear

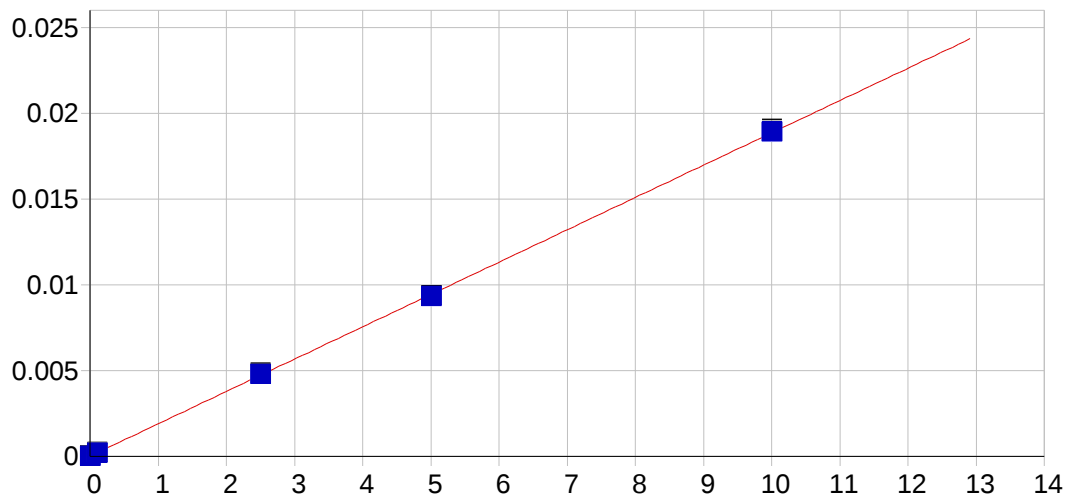
Weighting: 1/Conc

A0 (Offset): 0.000416  
 A1 (Gain): 0.611341  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999809  
 Std Error of Est: 0.000916  
 Predicted MDL: 0.000242  
 Predicted MQL: 0.000805

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00003     | -.000      | .000    | .00040 | .000    | 1        |
| S1        | .20000       | .22181      | .022       | 10.9    | .13602 | .001    | 1        |
| S3        | 2.5000       | 2.5840      | .084       | 3.36    | 1.5801 | .002    | 1        |
| S4        | 5.0000       | 5.0164      | .016       | .328    | 3.0671 | .008    | 1        |
| S5        | 10.000       | 9.8779      | -.122      | -1.22   | 6.0392 | .004    | 1        |

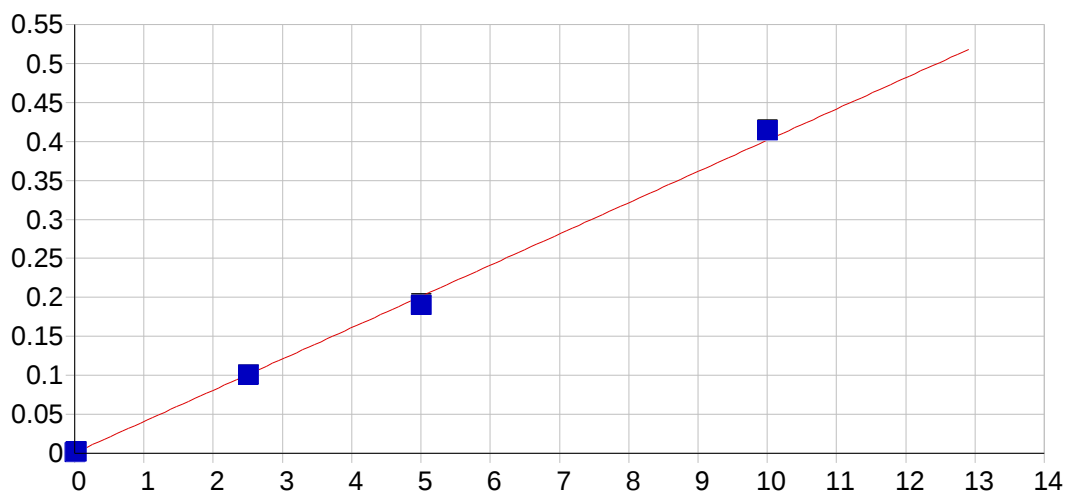


B 249.678 {135}

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000017 Re-Slope: 1.000000  
 A1 (Gain): 0.001884 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999965 Status: OK.  
 Std Error of Est: 0.000001  
 Predicted MDL: 0.012123  
 Predicted MQL: 0.040410

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00002 | .000    | 1        |
| S1        | .10000       | .09965      | -.000      | -.351   | .00020 | .000    | 1        |
| S3        | 2.5000       | 2.5249      | .025       | .994    | .00476 | .000    | 1        |
| S4        | 5.0000       | 4.9357      | -.064      | -1.29   | .00929 | .000    | 1        |
| S5        | 10.000       | 10.040      | .040       | .398    | .01889 | .000    | 1        |



S 182.034 {485}

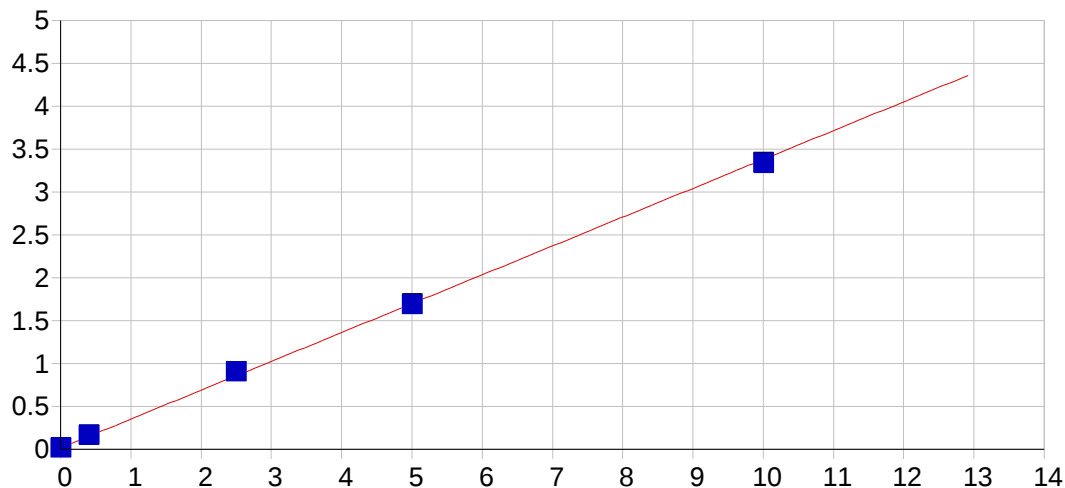
Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000775 Re-Slope: 1.000000  
 A1 (Gain): 0.040076 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999277  
 Std Error of Est: 0.000037  
 Predicted MDL: 0.002462  
 Predicted MQL: 0.008208

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00078 | .000    | 1        |
| S1        | .02000       | .02430      | .004       | 21.5    | .00172 | .000    | 1        |
| S3        | 2.5000       | 2.4806      | -.019      | -.778   | .10007 | .000    | 1        |
| S4        | 5.0000       | 4.7211      | -.279      | -5.58   | .18975 | .002    | 1        |
| S5        | 10.000       | 10.294      | .294       | 2.94    | .41288 | .001    | 1        |



Si 288.158 {117}

Date of Fit: 4/10/2019 16:33:24

Type of Fit: Linear

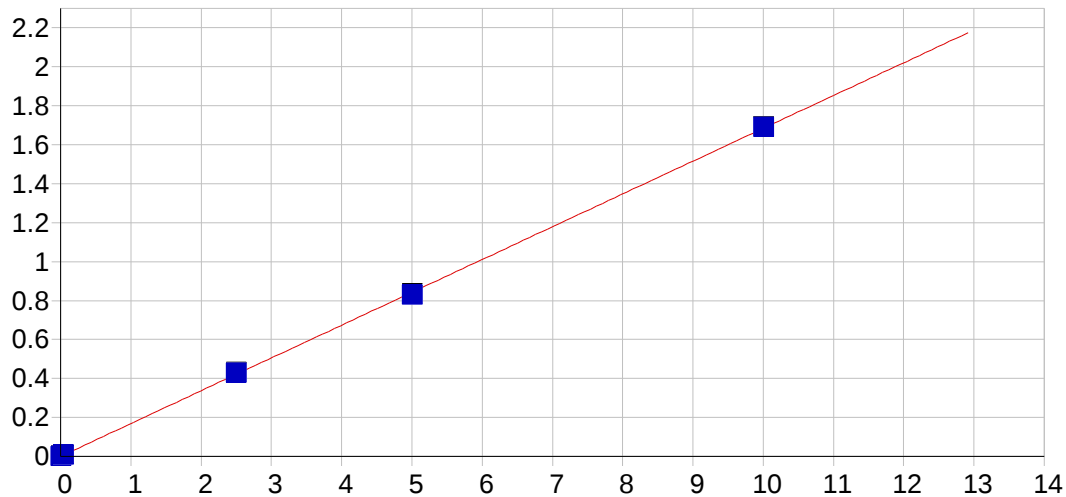
Weighting: 1/Conc

A0 (Offset): 0.016619  
 A1 (Gain): 0.336299  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999639  
 Std Error of Est: 0.000986  
 Predicted MDL: 0.002306  
 Predicted MQL: 0.007685

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       | -.00005     | -.000      | .000    | .01660 | .000    | 1        |
| S1        | .40000       | .44105      | .041       | 10.3    | .16483 | .001    | 1        |
| S3        | 2.5000       | 2.6284      | .128       | 5.14    | .90010 | .003    | 1        |
| S4        | 5.0000       | 4.9680      | -.032      | -.639   | 1.6865 | .006    | 1        |
| S5        | 10.000       | 9.8625      | -.137      | -1.37   | 3.3316 | .013    | 1        |

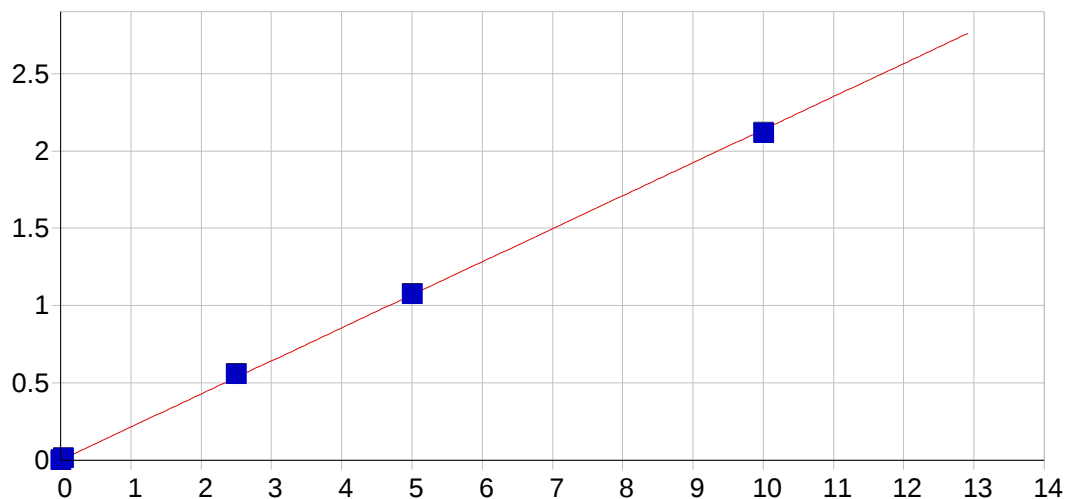


Sn 189.989 {477}

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000168 Re-Slope: 1.000000  
 A1 (Gain): 0.168400 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999941 Status: OK.  
 Std Error of Est: 0.000062  
 Predicted MDL: 0.000610  
 Predicted MQL: 0.002034

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00017 | .000    | 1        |
| S1        | .04000       | .04178      | .002       | 4.46    | .00720 | .000    | 1        |
| S3        | 2.5000       | 2.5430      | .043       | 1.72    | .42848 | .001    | 1        |
| S4        | 5.0000       | 4.9244      | -.076      | -1.51   | .82958 | .004    | 1        |
| S5        | 10.000       | 10.031      | .031       | .308    | 1.6897 | .002    | 1        |



Ti 336.121 {100}

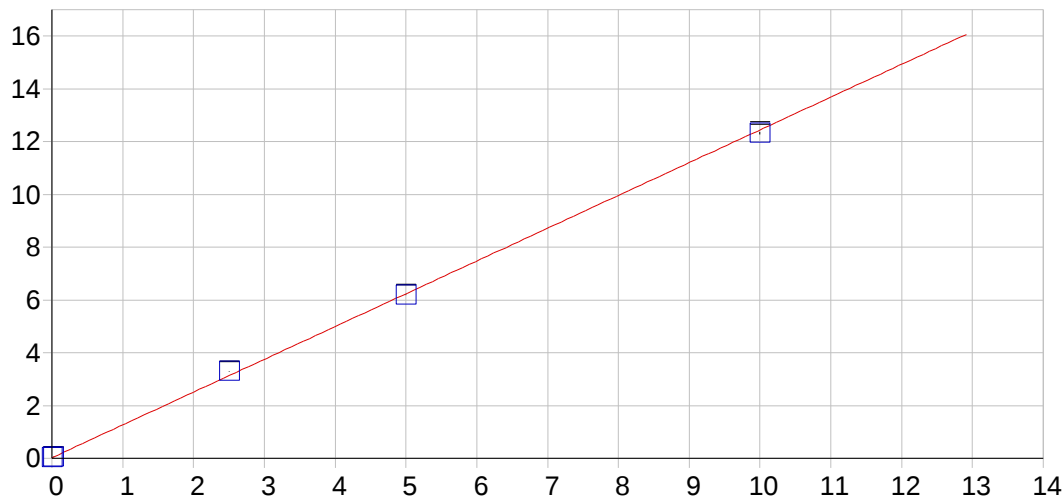
Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001670 Re-Slope: 1.000000  
 A1 (Gain): 0.213546 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999855  
 Std Error of Est: 0.000124  
 Predicted MDL: 0.001864  
 Predicted MQL: 0.006215

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00167 | .000    | 1        |
| S1        | .04000       | .04360      | .004       | 9.01    | .01098 | .000    | 1        |
| S3        | 2.5000       | 2.5938      | .094       | 3.75    | .55550 | .002    | 1        |
| S4        | 5.0000       | 5.0121      | .012       | .243    | 1.0719 | .002    | 1        |
| S5        | 10.000       | 9.8904      | -.110      | -1.10   | 2.1135 | .005    | 1        |



Li 670.784 { 50}

Date of Fit: 4/10/2019 16:33:24

Type of Fit: Linear

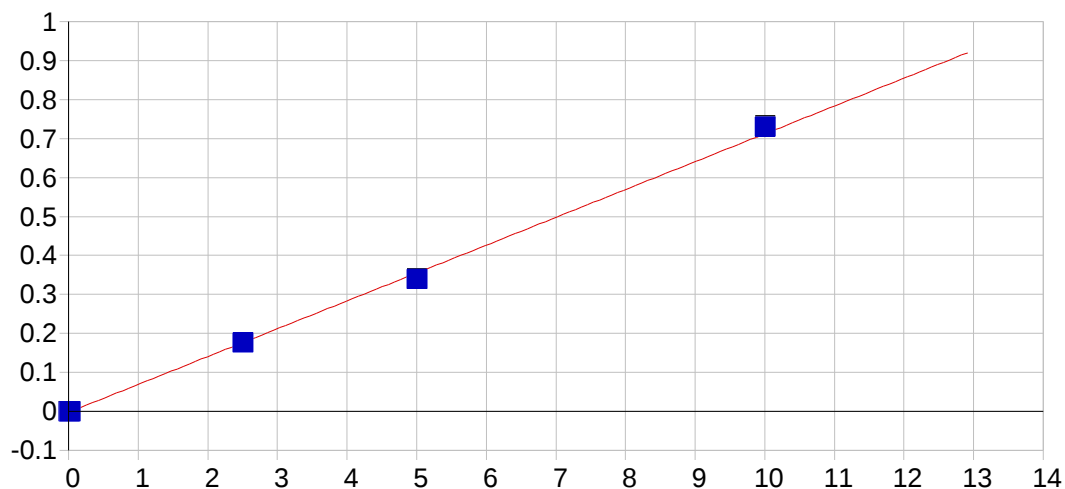
Weighting: 1/Conc

A0 (Offset): 0.024412  
 A1 (Gain): 1.242131  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999759  
 Std Error of Est: 0.000658  
 Predicted MDL: 0.001588  
 Predicted MQL: 0.005294

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    | .02441 | .001    | 1        |
| S1        | .02000       | .02386      | .004       | 19.3    | .05405 | .002    | 1        |
| S3        | 2.5000       | 2.6276      | .128       | 5.10    | 3.2882 | .013    | 1        |
| S4        | 5.0000       | 4.9647      | -.035      | -.706   | 6.1912 | .009    | 1        |
| S5        | 10.000       | 9.9039      | -.096      | -.961   | 12.326 | .047    | 1        |



P 177.495 {490}

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002216 Re-Slope: 1.000000  
 A1 (Gain): 0.071427 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999513 Status: OK.  
 Std Error of Est: 0.000054  
 Predicted MDL: 0.001397  
 Predicted MQL: 0.004656

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00222 | .000    | 1        |
| S1        | .02000       | .01718      | -.003      | -14.1   | -.00099 | .000    | 1        |
| S3        | 2.5000       | 2.4824      | -.018      | -.705   | .17483  | .000    | 1        |
| S4        | 5.0000       | 4.7725      | -.228      | -4.55   | .33815  | .002    | 1        |
| S5        | 10.000       | 10.248      | .248       | 2.48    | .72873  | .002    | 1        |



Y 224.306 {450}\*

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

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







In 230.606 {446}\*

Date of Fit: <not fit>

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

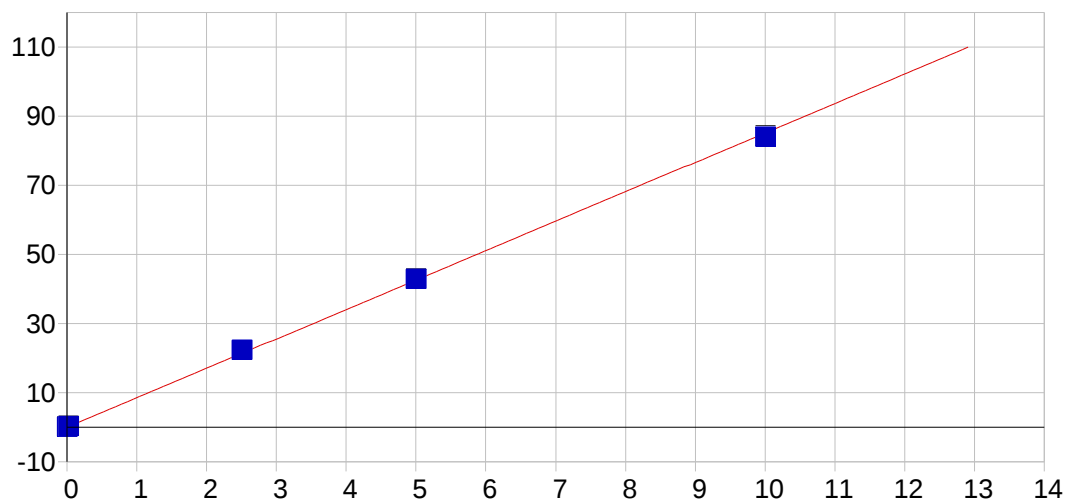
Status: Warning Zero Gain

Std Error of Est: 0.000000

Predicted MDL: n/a

Predicted MQL: n/a

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



Sr 407.771 { 83}

Date of Fit: 4/10/2019 16:33:24

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.003632

Re-Slope: 1.000000

A1 (Gain): 8.516025

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999773

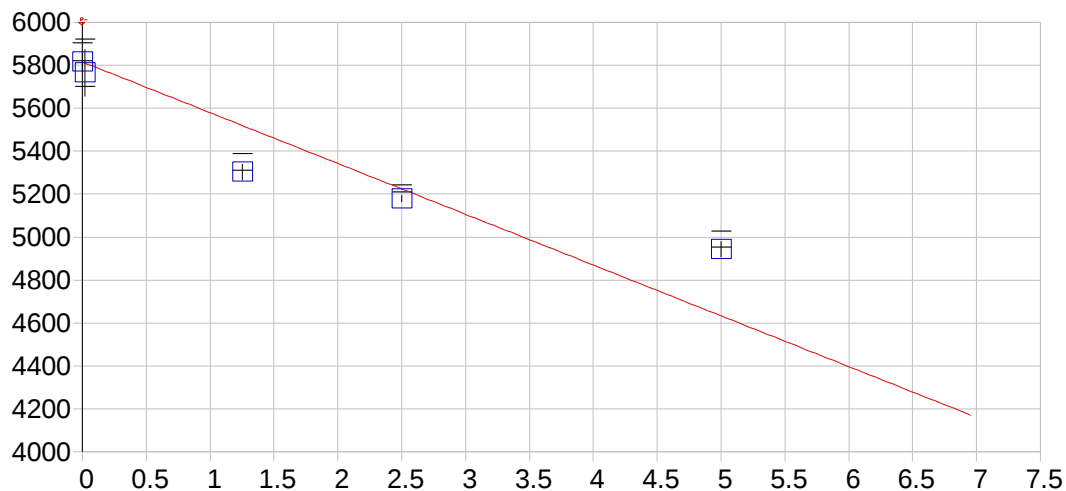
Status: OK.

Std Error of Est: 0.004389

Predicted MDL: 0.000092

Predicted MQL: 0.000305

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00365 | .000    | 1        |
| S1        | .02000       | .02131      | .001       | 6.57    | .17881  | .001    | 1        |
| S3        | 2.5000       | 2.6198      | .120       | 4.79    | 22.330  | .091    | 1        |
| S4        | 5.0000       | 5.0221      | .022       | .441    | 42.811  | .036    | 1        |
| S5        | 10.000       | 9.8568      | -.143      | -1.43   | 84.031  | .219    | 1        |

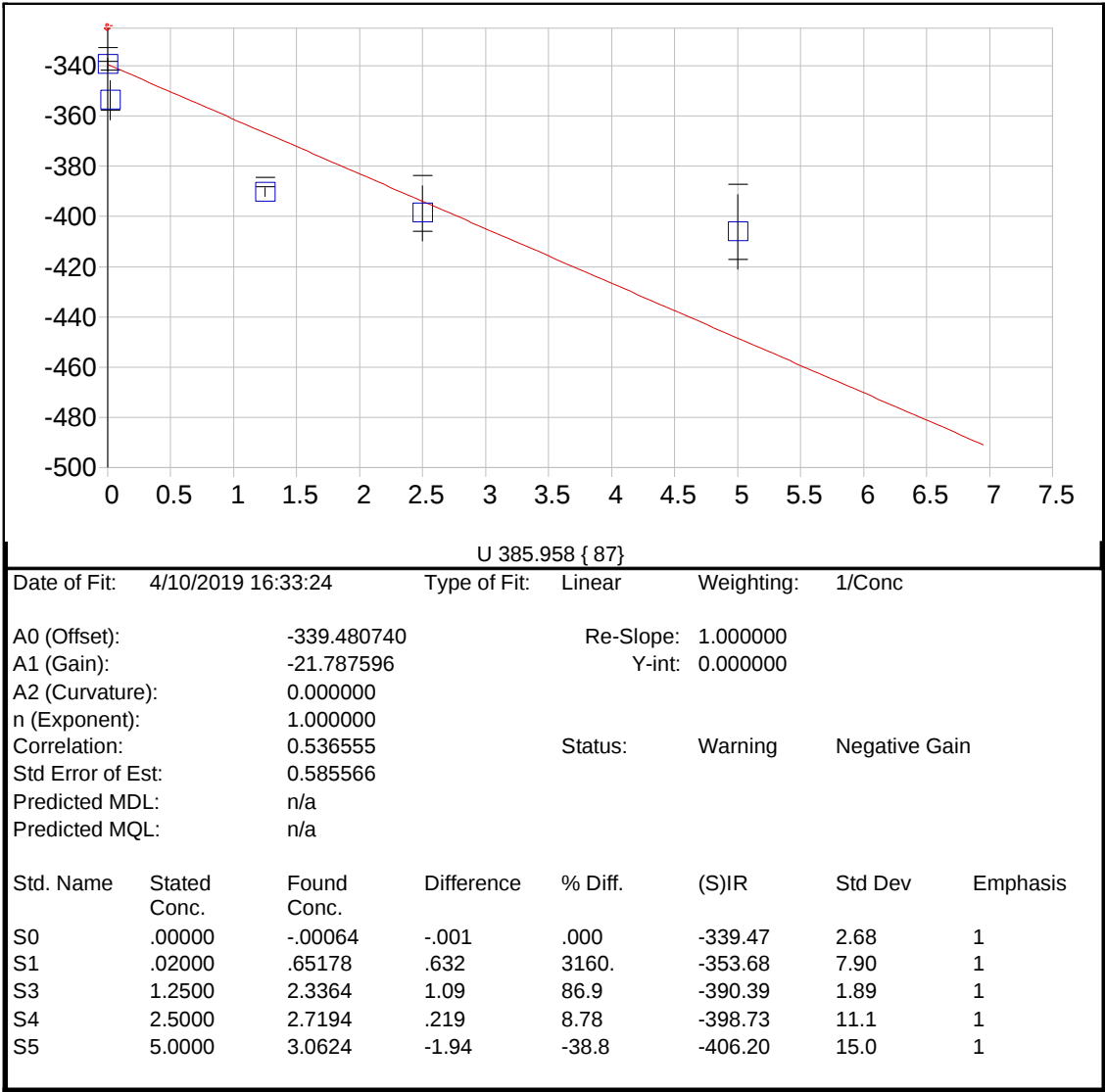


U 367.007 { 92 }

Date of Fit: 4/10/2019 16:33:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 5815.755980 Re-Slope: 1.000000  
A1 (Gain): -236.525574 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.866767 Status: Warning Negative Gain  
Std Error of Est: 2.325599  
Predicted MDL: n/a  
Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00020     | -.000      | .000    | 5815.8 | 42.3    | 1        |
| S1        | .02000       | .21331      | .193       | 967.    | 5765.3 | 110.    | 1        |
| S3        | 1.2500       | 2.1687      | .919       | 73.5    | 5302.8 | 38.0    | 1        |
| S4        | 2.5000       | 2.6961      | .196       | 7.84    | 5178.1 | 17.1    | 1        |
| S5        | 5.0000       | 3.6920      | -1.31      | -26.2   | 4942.5 | 37.7    | 1        |



Sample Name: S0      Acquired: 4/10/2019 10:54:18      Type: Cal  
Method: P4-ICP2(v3038)      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    | -.00010 | -.00035 | .00471 | .00000 | .00045 | .00062 | .00083 | -.00015 |
| Stddev | .00003  | .00010  | .00021 | .00012 | .00004 | .00002 | .00005 | .00002  |
| %RSD   | 33.080  | 29.877  | 4.4955 | 3645.8 | 9.6187 | 2.4622 | 5.8821 | 14.109  |

|    |         |         |        |         |        |        |        |         |
|----|---------|---------|--------|---------|--------|--------|--------|---------|
| #1 | -.00007 | -.00040 | .00447 | .00011  | .00041 | .00060 | .00084 | -.00015 |
| #2 | -.00009 | -.00023 | .00478 | -.00012 | .00050 | .00063 | .00087 | -.00013 |
| #3 | -.00013 | -.00042 | .00487 | .00002  | .00045 | .00063 | .00078 | -.00018 |

|        |        |        |        |         |        |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|--------|---------|
| 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    | .00061 | .00119 | .00010 | -.00078 | .00439 | .00095 | .00012 | -.00001 |
| Stddev | .00006 | .00007 | .00007 | .00009  | .00008 | .00003 | .00009 | .00001  |
| %RSD   | 9.3497 | 6.0547 | 69.514 | 11.964  | 1.9015 | 3.1183 | 74.396 | 130.02  |

|    |        |        |        |         |        |        |        |         |
|----|--------|--------|--------|---------|--------|--------|--------|---------|
| #1 | .00068 | .00111 | .00015 | -.00078 | .00438 | .00099 | .00006 | .00000  |
| #2 | .00059 | .00125 | .00002 | -.00069 | .00431 | .00094 | .00007 | -.00003 |
| #3 | .00057 | .00122 | .00013 | -.00088 | .00447 | .00093 | .00022 | -.00001 |

|        |         |        |        |        |        |         |        |        |
|--------|---------|--------|--------|--------|--------|---------|--------|--------|
| 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    | -.00541 | .00049 | .00293 | .00035 | .00248 | -.00054 | .00040 | .00002 |
| Stddev | .00008  | .00009 | .00020 | .00006 | .00014 | .00017  | .00010 | .00001 |
| %RSD   | 1.5487  | 19.035 | 6.9399 | 17.472 | 5.4506 | 30.498  | 25.394 | 70.749 |

|    |         |        |        |        |        |         |        |        |
|----|---------|--------|--------|--------|--------|---------|--------|--------|
| #1 | -.00545 | .00057 | .00315 | .00028 | .00256 | -.00045 | .00050 | .00002 |
| #2 | -.00532 | .00039 | .00287 | .00036 | .00232 | -.00073 | .00039 | .00000 |
| #3 | -.00547 | .00050 | .00276 | .00041 | .00255 | -.00044 | .00030 | .00003 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 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    | .00078 | .01660 | .00017 | .00167 | .02441 | -.0022 | -.00365 | 5815.8 |
| Stddev | .00007 | .00025 | .00004 | .00031 | .00074 | .0001  | .00045  | 42.3   |
| %RSD   | 8.9480 | 1.4770 | 26.638 | 18.755 | 3.0152 | 3.600  | 12.368  | .72742 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00072 | .01688 | .00018 | .00202 | .02506 | -.0021 | -.00395 | 5825.5 |
| #2 | .00076 | .01645 | .00012 | .00156 | .02456 | -.0022 | -.00387 | 5769.5 |
| #3 | .00085 | .01647 | .00020 | .00143 | .02361 | -.0023 | -.00313 | 5852.4 |

Sample Name: S0      Acquired: 4/10/2019 10:54:18      Type: Cal  
 Method: P4-ICP2(v3038)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -339.47 |
| Stddev | 2.68    |
| %RSD   | .79006  |

|    |         |
|----|---------|
| #1 | -341.49 |
| #2 | -340.49 |
| #3 | -336.42 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4886.2 | 54107. | 6093.4 | 81.986 | 5376.2 |
| Stddev    | 17.7   | 199.   | 20.0   | .558   | 18.3   |
| %RSD      | .36190 | .36867 | .32848 | .68035 | .34059 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4866.8 | 54016. | 6090.4 | 82.392 | 5356.6 |
| #2 | 4901.5 | 53970. | 6075.0 | 82.217 | 5392.8 |
| #3 | 4890.2 | 54336. | 6114.7 | 81.350 | 5379.2 |

Sample Name: S1      Acquired: 4/10/2019 10:58:45      Type: Cal  
Method: P4-ICP2(v3038)      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    | .00088 | .00456 | .00761 | .00104 | .00593  | .00139 | .03442 | .00488 |
| Stddev | .00002 | .00008 | .00004 | .00008 | .00006  | .00004 | .00006 | .00005 |
| %RSD   | 2.6944 | 1.8226 | .56344 | 7.2647 | 1.0871  | 3.0546 | .17396 | 1.0506 |
| #1     | .00085 | .00466 | .00757 | .00113 | .00598  | .00137 | .03445 | .00490 |
| #2     | .00090 | .00454 | .00763 | .00101 | .00586  | .00136 | .03447 | .00482 |
| #3     | .00089 | .00450 | .00765 | .00099 | .00596  | .00144 | .03435 | .00492 |
| 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    | .02001 | .00210 | .02376 | .01970 | .01050  | .02147 | .01541 | .00254 |
| Stddev | .00010 | .00005 | .00010 | .00006 | .00005  | .00011 | .00016 | .00005 |
| %RSD   | .49760 | 2.3651 | .41516 | .31216 | .51601  | .50320 | 1.0621 | 1.8320 |
| #1     | .01998 | .00205 | .02372 | .01975 | .01045  | .02159 | .01525 | .00254 |
| #2     | .01992 | .00215 | .02387 | .01963 | .01056  | .02139 | .01558 | .00259 |
| #3     | .02012 | .00211 | .02369 | .01971 | .01050  | .02143 | .01541 | .00249 |
| Elem   | V_2924 | Zn2138 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00863 | .05809 | .13602 | .00020 | .00172  | .16483 | .00720 | .01098 |
| Stddev | .00003 | .00021 | .00059 | .00002 | .00014  | .00117 | .00003 | .00032 |
| %RSD   | .38520 | .36276 | .43414 | 8.5264 | 8.0312  | .71111 | .48383 | 2.9567 |
| #1     | .00865 | .05822 | .13534 | .00020 | .00175  | .16518 | .00718 | .01074 |
| #2     | .00859 | .05820 | .13642 | .00019 | .00185  | .16352 | .00724 | .01084 |
| #3     | .00865 | .05784 | .13628 | .00022 | .00157  | .16579 | .00719 | .01135 |
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |        |        |        |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |        |        |        |
| Avg    | .05405 | -.0010 | .17881 | 5765.3 | -353.68 |        |        |        |
| Stddev | .00210 | .0001  | .00117 | 109.8  | 7.90    |        |        |        |
| %RSD   | 3.8933 | 8.277  | .65654 | 1.9036 | 2.2345  |        |        |        |
| #1     | .05369 | -.0009 | .17960 | 5858.4 | -360.06 |        |        |        |
| #2     | .05631 | -.0011 | .17746 | 5793.2 | -356.15 |        |        |        |
| #3     | .05214 | -.0010 | .17937 | 5644.3 | -344.84 |        |        |        |

Sample Name: S1      Acquired: 4/10/2019 10:58:45      Type: Cal  
Method: P4-ICP2(v3038)      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       | 4872.9 | 54450. | 6151.5 | 82.703 | 5330.8 |
| Stddev    | 13.5   | 232.   | 57.2   | 2.065  | 9.2    |
| %RSD      | .27627 | .42593 | .93057 | 2.4965 | .17196 |
| #1        | 4888.1 | 54199. | 6092.9 | 80.325 | 5337.0 |
| #2        | 4868.5 | 54495. | 6207.3 | 84.042 | 5335.1 |
| #3        | 4862.3 | 54657. | 6154.4 | 83.742 | 5320.3 |

Sample Name: S2      Acquired: 4/10/2019 11:03:11      Type: Cal  
Method: P4-ICP2(v3038)      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    | .07554 | .00119 | .05298 | .01486 |
| Stddev | .00062 | .00004 | .00084 | .00005 |
| %RSD   | .82648 | 3.1585 | 1.5923 | .32959 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .07625 | .00123 | .05217 | .01481 |
| #2 | .07528 | .00116 | .05291 | .01488 |
| #3 | .07509 | .00117 | .05385 | .01490 |

|           |        |        |
|-----------|--------|--------|
| Int. Std. | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  |
| Avg       | 54916. | 6271.3 |
| Stddev    | 347.   | 43.6   |
| %RSD      | .63130 | .69453 |

|    |        |        |
|----|--------|--------|
| #1 | 54915. | 6221.7 |
| #2 | 55263. | 6288.7 |
| #3 | 54569. | 6303.5 |

Sample Name: S3      Acquired: 4/10/2019 11:07:26      Type: Cal  
Method: P4-ICP2(v3038)      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    | .11318 | .31372 | .61278 | .13970 | .27799 | .03839 | 1.6365 | .10596 |
| Stddev | .00016 | .00045 | .00022 | .00025 | .00078 | .00021 | .0049  | .00033 |
| %RSD   | .14468 | .14394 | .03608 | .18128 | .28233 | .54933 | .30041 | .31202 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .11303 | .31348 | .61303 | .13999 | .27713 | .03823 | 1.6310 | .10581 |
| #2 | .11316 | .31424 | .61264 | .13958 | .27867 | .03831 | 1.6404 | .10573 |
| #3 | .11335 | .31344 | .61266 | .13953 | .27818 | .03863 | 1.6380 | .10634 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 4.1206 | .46646 | .09821 | 1.0496 | .46600 | .22357 | 1.2474 | .00762 |
| Stddev | .0014  | .00124 | .00022 | .0021  | .00060 | .00032 | .0015  | .00003 |
| %RSD   | .03424 | .26524 | .22163 | .20414 | .12847 | .14110 | .11795 | .39387 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.1196 | .46515 | .09817 | 1.0506 | .46604 | .22363 | 1.2466 | .00760 |
| #2 | 4.1200 | .46760 | .09801 | 1.0471 | .46658 | .22323 | 1.2465 | .00760 |
| #3 | 4.1222 | .46663 | .09844 | 1.0511 | .46538 | .22385 | 1.2491 | .00765 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .65676 | .12562 | .32225 | .25164 | 1.8061 | .09624 | 1.5801 | .00476 |
| Stddev | .00141 | .00036 | .00144 | .00068 | .0013  | .00034 | .0021  | .00007 |
| %RSD   | .21448 | .28488 | .44609 | .26983 | .07319 | .35703 | .13553 | 1.4090 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .65832 | .12595 | .32068 | .25231 | 1.8075 | .09585 | 1.5817 | .00470 |
| #2 | .65559 | .12524 | .32350 | .25095 | 1.8048 | .09640 | 1.5809 | .00475 |
| #3 | .65635 | .12568 | .32257 | .25165 | 1.8060 | .09648 | 1.5777 | .00484 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .10007 | .90010 | .42848 | .55550 | 3.2882 | .1748  | 22.330 | 5302.8 |
| Stddev | .00036 | .00305 | .00051 | .00180 | .0134  | .0004  | .091   | 38.0   |
| %RSD   | .36415 | .33849 | .11994 | .32355 | .40623 | .2015  | .40814 | .71698 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .10048 | .90360 | .42858 | .55488 | 3.3002 | .1746 | 22.407 | 5313.6 |
| #2 | .09997 | .89867 | .42793 | .55753 | 3.2906 | .1747 | 22.354 | 5334.3 |
| #3 | .09977 | .89803 | .42894 | .55410 | 3.2738 | .1752 | 22.230 | 5260.6 |

Sample Name: S3      Acquired: 4/10/2019 11:07:26      Type: Cal  
 Method: P4-ICP2(v3038)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -390.39 |
| Stddev | 1.89    |
| %RSD   | .48506  |

|    |         |
|----|---------|
| #1 | -388.50 |
| #2 | -392.29 |
| #3 | -390.37 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4726.4 | 53010. | 6134.5 | 81.781 | 4939.6 |
| Stddev    | 5.6    | 59.    | 31.4   | 1.400  | 1.7    |
| %RSD      | .11785 | .11207 | .51165 | 1.7121 | .03369 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4726.9 | 53067. | 6104.6 | 82.461 | 4939.7 |
| #2 | 4720.5 | 52948. | 6131.7 | 80.170 | 4938.0 |
| #3 | 4731.6 | 53014. | 6167.2 | 82.711 | 4941.3 |

Sample Name: S4      Acquired: 4/10/2019 11:11:25      Type: Cal  
Method: P4-ICP2(v3038)      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    | .21595 | .59384 | 1.1677 | .26018 | .53113 | .07352 | 3.1434 | .19792 |
| Stddev | .00071 | .00168 | .0010  | .00068 | .00077 | .00015 | .0282  | .00069 |
| %RSD   | .32753 | .28342 | .09002 | .26178 | .14518 | .20085 | .89564 | .35058 |
| #1     | .21658 | .59578 | 1.1680 | .26096 | .53202 | .07343 | 3.1127 | .19719 |
| #2     | .21608 | .59290 | 1.1666 | .25981 | .53067 | .07345 | 3.1679 | .19798 |
| #3     | .21519 | .59284 | 1.1686 | .25976 | .53071 | .07369 | 3.1498 | .19857 |
| 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    | 7.8892 | .89226 | .18823 | 2.0382 | .86756 | .41867 | 2.3805 | .01466 |
| Stddev | .0045  | .00218 | .00024 | .0032  | .00093 | .00074 | .0015  | .00007 |
| %RSD   | .05665 | .24471 | .12569 | .15462 | .10692 | .17637 | .06328 | .45465 |
| #1     | 7.8943 | .89018 | .18796 | 2.0375 | .86863 | .41818 | 2.3788 | .01460 |
| #2     | 7.8871 | .89454 | .18836 | 2.0354 | .86703 | .41831 | 2.3810 | .01464 |
| #3     | 7.8861 | .89206 | .18838 | 2.0416 | .86702 | .41952 | 2.3817 | .01473 |
| 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    | 1.2645 | .23643 | .62268 | .48600 | 3.4238 | .18575 | 3.0671 | .00929 |
| Stddev | .0015  | .00054 | .00099 | .00039 | .0018  | .00030 | .0081  | .00006 |
| %RSD   | .11707 | .23023 | .15915 | .08033 | .05275 | .16314 | .26515 | .68732 |
| #1     | 1.2633 | .23581 | .62249 | .48638 | 3.4257 | .18577 | 3.0747 | .00922 |
| #2     | 1.2662 | .23681 | .62376 | .48603 | 3.4237 | .18605 | 3.0683 | .00935 |
| #3     | 1.2642 | .23668 | .62180 | .48560 | 3.4221 | .18544 | 3.0585 | .00931 |
| 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    | .18975 | 1.6865 | .82958 | 1.0719 | 6.1912 | .3382  | 42.811 | 5178.1 |
| Stddev | .00164 | .0062  | .00357 | .0019  | .0086  | .0018  | .036   | 17.1   |
| %RSD   | .86687 | .36919 | .43008 | .17456 | .13880 | .5275  | .08367 | .33034 |
| #1     | .19128 | 1.6885 | .83343 | 1.0697 | 6.1965 | .3395  | 42.851 | 5190.3 |
| #2     | .18997 | 1.6795 | .82892 | 1.0733 | 6.1959 | .3388  | 42.800 | 5185.4 |
| #3     | .18801 | 1.6914 | .82639 | 1.0725 | 6.1813 | .3361  | 42.783 | 5158.5 |

Sample Name: S4      Acquired: 4/10/2019 11:11:25      Type: Cal  
 Method: P4-ICP2(v3038)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -398.73 |
| Stddev | 11.08   |
| %RSD   | 2.7798  |

|    |         |
|----|---------|
| #1 | -404.40 |
| #2 | -405.84 |
| #3 | -385.96 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4692.0 | 53367. | 6220.1 | 82.406 | 4832.2 |
| Stddev    | 12.9   | 156.   | 7.2    | .817   | 9.2    |
| %RSD      | .27523 | .29279 | .11645 | .99168 | .19095 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4677.9 | 53476. | 6223.9 | 83.009 | 4822.7 |
| #2 | 4703.3 | 53188. | 6211.8 | 82.733 | 4841.1 |
| #3 | 4694.7 | 53438. | 6224.7 | 81.476 | 4832.6 |

Sample Name: S5      Acquired: 4/10/2019 11:15:33      Type: Cal  
Method: P4-ICP2(v3038)      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    | .44271 | 1.2173 | 2.3980 | .54274 | 1.0812 | .14753 | 6.3697 | .40480 |
| Stddev | .00098 | .0031  | .0040  | .00076 | .0013  | .00052 | .0425  | .00144 |
| %RSD   | .22081 | .25680 | .16904 | .13939 | .11589 | .35331 | .66688 | .35692 |
| #1     | .44310 | 1.2207 | 2.4015 | .54348 | 1.0816 | .14805 | 6.4004 | .40578 |
| #2     | .44160 | 1.2168 | 2.3990 | .54197 | 1.0798 | .14754 | 6.3212 | .40549 |
| #3     | .44344 | 1.2145 | 2.3935 | .54277 | 1.0822 | .14700 | 6.3875 | .40314 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 16.338 | 1.7553 | .36742 | 4.1776 | 1.7302 | .82238 | 4.6593 | .02941 |
| Stddev | .022   | .0054  | .00074 | .0050  | .0017  | .00190 | .0145  | .00005 |
| %RSD   | .13486 | .30680 | .20133 | .11966 | .10032 | .23133 | .31195 | .16635 |
| #1     | 16.348 | 1.7606 | .36828 | 4.1784 | 1.7303 | .82427 | 4.6460 | .02937 |
| #2     | 16.354 | 1.7499 | .36702 | 4.1822 | 1.7284 | .82047 | 4.6571 | .02940 |
| #3     | 16.313 | 1.7553 | .36697 | 4.1723 | 1.7319 | .82242 | 4.6748 | .02946 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.5897 | .47881 | 1.2553 | .96047 | 7.1969 | .37763 | 6.0392 | .01889 |
| Stddev | .0021  | .00127 | .0009  | .00133 | .0099  | .00052 | .0044  | .00013 |
| %RSD   | .08135 | .26570 | .07341 | .13873 | .13726 | .13719 | .07255 | .69122 |
| #1     | 2.5891 | .48026 | 1.2564 | .96140 | 7.2008 | .37713 | 6.0410 | .01892 |
| #2     | 2.5921 | .47788 | 1.2546 | .95894 | 7.2043 | .37816 | 6.0423 | .01900 |
| #3     | 2.5881 | .47828 | 1.2551 | .96106 | 7.1857 | .37758 | 6.0342 | .01874 |
| 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    | .41288 | 3.3316 | 1.6897 | 2.1135 | 12.326 | .7287  | 84.031 | 4942.5 |
| Stddev | .00092 | .0126  | .0022  | .0052  | .047   | .0022  | .219   | 37.7   |
| %RSD   | .22228 | .37744 | .12712 | .24746 | .38319 | .3022  | .26026 | .76205 |
| #1     | .41319 | 3.3423 | 1.6917 | 2.1195 | 12.379 | .7310  | 84.276 | 4984.8 |
| #2     | .41185 | 3.3177 | 1.6898 | 2.1105 | 12.310 | .7267  | 83.858 | 4930.0 |
| #3     | .41360 | 3.3348 | 1.6875 | 2.1104 | 12.289 | .7285  | 83.958 | 4912.7 |

Sample Name: S5      Acquired: 4/10/2019 11:15:33      Type: Cal  
 Method: P4-ICP2(v3038)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -406.20 |
| Stddev | 14.97   |
| %RSD   | 3.6852  |

|    |         |
|----|---------|
| #1 | -393.98 |
| #2 | -401.73 |
| #3 | -422.90 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4577.2 | 52883. | 6268.3 | 82.063 | 4541.3 |
| Stddev    | 11.6   | 191.   | 36.9   | .575   | 14.0   |
| %RSD      | .25374 | .36161 | .58848 | .70098 | .30935 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4571.9 | 52662. | 6227.7 | 81.694 | 4535.7 |
| #2 | 4569.2 | 52993. | 6299.8 | 81.769 | 4530.8 |
| #3 | 4590.5 | 52993. | 6277.5 | 82.726 | 4557.3 |

Sample Name: ICV01      Acquired: 4/10/2019 11:19:56      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |          |          |         |          |          |
|--------|----------|--------|--------|----------|----------|---------|----------|----------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960   | Sb2068   | Al3961  | Ba4934   | Be2348   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm      | ppm     | ppm      | ppm      |
| Avg    | .97791   | 1.0073 | .96844 | F .96831 | .98060   | 2.5239  | .50067   | .47388   |
| Stddev | .00159   | .0017  | .00272 | .00491   | .00131   | .0124   | .00167   | .00189   |
| %RSD   | .16248   | .16572 | .28115 | .50737   | .13317   | .48977  | .33331   | .39976   |
| #1     | .97682   | 1.0079 | .97035 | .96268   | .98023   | 2.5235  | .50222   | .47606   |
| #2     | .97718   | 1.0054 | .96966 | .97169   | .97952   | 2.5118  | .49890   | .47298   |
| #3     | .97973   | 1.0086 | .96532 | .97057   | .98205   | 2.5365  | .50088   | .47261   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286   | Cu2247   | Fe2404  | Mn2576   | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm      | ppm     | ppm      | ppm      |
| Avg    | .47228   | 10.180 | .50536 | .49004   | .51422   | 5.0606  | .50503   | 5.8769   |
| Stddev | .00114   | .045   | .00063 | .00014   | .00086   | .0065   | .00043   | .0638    |
| %RSD   | .24211   | .44165 | .12377 | .02833   | .16773   | .12870  | .08425   | 1.0855   |
| #1     | .47278   | 10.189 | .50500 | .49012   | .51402   | 5.0563  | .50522   | 5.9015   |
| #2     | .47309   | 10.220 | .50499 | .48988   | .51347   | 5.0681  | .50454   | 5.8045   |
| #3     | .47097   | 10.131 | .50608 | .49011   | .51516   | 5.0574  | .50533   | 5.9248   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924   | Zn2138   | K_7664  | Mo2020   | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm      | ppm     | ppm      | ppm      |
| Avg    | .49315   | .49720 | 10.010 | .49957   | .97421   | 10.001  | 2.5274   | 2.4577   |
| Stddev | .00061   | .00109 | .033   | .00113   | .00149   | .066    | .0027    | .0170    |
| %RSD   | .12392   | .21957 | .32542 | .22687   | .15267   | .66307  | .10756   | .69206   |
| #1     | .49312   | .49811 | 10.032 | .49932   | .97496   | 10.031  | 2.5304   | 2.4383   |
| #2     | .49378   | .49751 | 9.9729 | .50081   | .97517   | 9.9252  | 2.5251   | 2.4702   |
| #3     | .49256   | .49599 | 10.026 | .49858   | .97250   | 10.047  | 2.5267   | 2.4645   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361   | Li6707   | P_1774  | Sr4077   | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm      | ppm     | ppm      | ppm      |
| Avg    | F .00742 | 2.3922 | 2.4238 | 2.5486   | F .00273 | F .0019 | F .00619 | F 1.7640 |
| Stddev | .00167   | .0147  | .0089  | .0036    | .00098   | .0007   | .00004   | .2506    |
| %RSD   | 22.477   | .61520 | .36862 | .14224   | 36.075   | 35.24   | .59208   | 14.208   |
| #1     | .00830   | 2.3928 | 2.4317 | 2.5444   | .00165   | .0011   | .00617   | 1.5390   |
| #2     | .00549   | 2.4066 | 2.4256 | 2.5511   | .00357   | .0023   | .00623   | 1.7189   |
| #3     | .00845   | 2.3771 | 2.4141 | 2.5502   | .00296   | .0023   | .00616   | 2.0342   |

Sample Name: ICV01      Acquired: 4/10/2019 11:19:56      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.2619 |
| Stddev | .2274    |
| %RSD   | 18.024   |

|    |        |
|----|--------|
| #1 | 1.0631 |
| #2 | 1.5099 |
| #3 | 1.2127 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4818.5 | 55502. | 6443.6 | 86.415 | 5196.0 |
| Stddev    | 23.3   | 266.   | 37.9   | 1.309  | 17.5   |
| %RSD      | .48407 | .47937 | .58777 | 1.5148 | .33720 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4824.9 | 55197. | 6418.0 | 87.921 | 5201.5 |
| #2 | 4837.9 | 55623. | 6425.7 | 85.768 | 5210.1 |
| #3 | 4792.6 | 55686. | 6487.1 | 85.555 | 5176.4 |

Sample Name: LLICV01      Acquired: 4/10/2019 11:27:18      Type: Unk  
Method: P4-ICP2(v3038)      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    | .02089 | .04111 | .01149 | .02145 | .05200 | .09447 | .10714 | .00613   |
| Stddev | .00229 | .00026 | .00086 | .00144 | .00211 | .01453 | .00110 | .00006   |
| %RSD   | 10.983 | .62731 | 7.4722 | 6.7248 | 4.0604 | 15.382 | 1.0238 | .95432   |
| #1     | .02160 | .04132 | .01171 | .02003 | .05343 | .07769 | .10783 | .00615   |
| #2     | .02275 | .04082 | .01055 | .02291 | .04957 | .10304 | .10588 | .00606   |
| #3     | .01832 | .04118 | .01222 | .02140 | .05299 | .10267 | .10772 | .00618   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00582 | 2.1162 | .01048 | .03004 | .02099 | .11040 | .02267 | 2.0556   |
| Stddev | .00006 | .0205  | .00037 | .00013 | .00031 | .00065 | .00011 | .0071    |
| %RSD   | 1.0560 | .97078 | 3.5649 | .44510 | 1.4630 | .58761 | .47159 | .34500   |
| #1     | .00581 | 2.1225 | .01026 | .02989 | .02115 | .10976 | .02271 | 2.0581   |
| #2     | .00588 | 2.1328 | .01091 | .03016 | .02064 | .11040 | .02275 | 2.0611   |
| #3     | .00576 | 2.0932 | .01027 | .03005 | .02119 | .11105 | .02255 | 2.0476   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04090 | .01085 | 2.0706 | .04211 | .03895 | 2.0734 | .21974 | .11144   |
| Stddev | .00014 | .00017 | .0094  | .00033 | .00002 | .0179  | .00012 | .00649   |
| %RSD   | .35264 | 1.5358 | .45184 | .78105 | .05024 | .86127 | .05249 | 5.8254   |
| #1     | .04097 | .01095 | 2.0785 | .04219 | .03896 | 2.0889 | .21960 | .10495   |
| #2     | .04099 | .01094 | 2.0602 | .04175 | .03893 | 2.0538 | .21981 | .11144   |
| #3     | .04073 | .01066 | 2.0730 | .04239 | .03896 | 2.0774 | .21980 | .11793   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01979 | .42303 | .04094 | .04318 | .02260 | .0161  | .02133 | F 1.7192 |
| Stddev | .00214 | .00655 | .00051 | .00155 | .00051 | .0006  | .00015 | .2358    |
| %RSD   | 10.821 | 1.5485 | 1.2407 | 3.5996 | 2.2730 | 3.939  | .72593 | 13.716   |
| #1     | .02226 | .42598 | .04150 | .04144 | .02239 | .0166  | .02146 | 1.4589   |
| #2     | .01860 | .42758 | .04081 | .04441 | .02222 | .0154  | .02138 | 1.9184   |
| #3     | .01850 | .41552 | .04051 | .04370 | .02318 | .0163  | .02116 | 1.7805   |

Sample Name: LLICV01      Acquired: 4/10/2019 11:27:18      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F .19913  
 Stddev      .46760  
 %RSD      234.82

#1      .06306  
 #2      -.18535  
 #3      .71967

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4835.4 | 55019. | 6312.5 | 85.403 | 5307.8 |
| Stddev    | 6.6    | 167.   | 19.0   | 1.019  | 7.4    |
| %RSD      | .13678 | .30431 | .30174 | 1.1935 | .13961 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4828.2 | 54827. | 6297.2 | 86.517 | 5301.1 |
| #2 | 4841.2 | 55099. | 6306.6 | 84.517 | 5306.6 |
| #3 | 4836.9 | 55132. | 6333.8 | 85.175 | 5315.8 |

Sample Name: ICB01      Acquired: 4/10/2019 11:31:43      Type: Unk  
Method: P4-ICP2(v3038)      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    | .00071  | -.00074 | -.00073 | .00206  | .00029  | -.01335 | .00001  | -.00004  |
| Stddev | .00036  | .00078  | .00034  | .00165  | .00070  | .00443  | .00028  | .00002   |
| %RSD   | 49.988  | 104.65  | 46.135  | 80.265  | 243.97  | 33.171  | 5311.9  | 51.140   |
| #1     | .00030  | -.00135 | -.00077 | .00091  | .00102  | -.01726 | -.00013 | -.00003  |
| #2     | .00092  | -.00101 | -.00038 | .00131  | .00021  | -.01425 | -.00018 | -.00003  |
| #3     | .00092  | .00013  | -.00105 | .00395  | -.00037 | -.00854 | .00033  | -.00007  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00001 | -.01317 | -.00005 | -.00001 | -.00133 | -.00010 | -.00005 | .02522   |
| Stddev | .00006  | .00743  | .00036  | .00029  | .00016  | .00089  | .00003  | .03008   |
| %RSD   | 797.85  | 56.414  | 700.29  | 2769.9  | 12.294  | 895.05  | 52.166  | 119.26   |
| #1     | -.00008 | -.02152 | .00018  | -.00017 | -.00146 | -.00028 | -.00004 | .01698   |
| #2     | .00003  | -.01067 | .00013  | -.00019 | -.00115 | .00087  | -.00003 | .05856   |
| #3     | .00002  | -.00731 | -.00046 | .00032  | -.00139 | -.00088 | -.00008 | .00012   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004  | .00014  | -.07227 | .00024  | -.00013 | -.02216 | -.00039 | .00622   |
| Stddev | .00059  | .00033  | .01104  | .00020  | .00005  | .02130  | .00014  | .01046   |
| %RSD   | 1332.5  | 232.36  | 15.283  | 80.550  | 39.694  | 96.124  | 36.850  | 168.20   |
| #1     | .00069  | .00050  | -.08463 | .00038  | -.00019 | -.03098 | -.00036 | -.00416  |
| #2     | -.00007 | -.00017 | -.06338 | .00002  | -.00012 | -.03763 | -.00026 | .01677   |
| #3     | -.00048 | .00010  | -.06879 | .00034  | -.00008 | .00214  | -.00054 | .00606   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00291 | -.00075 | .00043  | .00024  | -.00055 | -.0012  | -.00004 | F 2.0382 |
| Stddev | .00092  | .00252  | .00037  | .00046  | .00058  | .0010   | .00007  | .1859    |
| %RSD   | 31.532  | 333.64  | 87.064  | 192.92  | 104.86  | 84.66   | 191.95  | 9.1199   |
| #1     | -.00392 | -.00198 | .00002  | .00075  | -.00038 | -.0006  | .00004  | 2.0567   |
| #2     | -.00213 | -.00242 | .00076  | .00011  | -.00008 | -.0023  | -.00006 | 2.2141   |
| #3     | -.00267 | .00214  | .00051  | -.00014 | -.00120 | -.0006  | -.00010 | 1.8437   |

Sample Name: ICB01      Acquired: 4/10/2019 11:31:43      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .25533 |
| Stddev | .42386   |
| %RSD   | 166.01   |

|    |         |
|----|---------|
| #1 | -.18041 |
| #2 | .66622  |
| #3 | .28018  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4834.6 | 55027. | 6348.4 | 86.447 | 5355.8 |
| Stddev    | 13.7   | 121.   | 20.6   | .517   | 13.2   |
| %RSD      | .28284 | .21907 | .32389 | .59831 | .24736 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4820.0 | 55016. | 6352.5 | 86.950 | 5343.6 |
| #2 | 4836.7 | 54912. | 6366.6 | 85.917 | 5353.8 |
| #3 | 4847.2 | 55152. | 6326.1 | 86.475 | 5369.9 |

Sample Name: CRI01      Acquired: 4/10/2019 11:36:11      Type: Unk  
Method: P4-ICP2(v3038)      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    | .02074 | .04104 | .01188 | .02015 | .05352 | .09231 | .10859 | .00635   |
| Stddev | .00171 | .00042 | .00057 | .00165 | .00126 | .00575 | .00055 | .00003   |
| %RSD   | 8.2232 | 1.0311 | 4.7836 | 8.2054 | 2.3518 | 6.2297 | .50770 | .42801   |
| #1     | .01911 | .04147 | .01253 | .02181 | .05340 | .09634 | .10900 | .00632   |
| #2     | .02251 | .04062 | .01153 | .02013 | .05233 | .09485 | .10881 | .00636   |
| #3     | .02061 | .04105 | .01157 | .01850 | .05483 | .08572 | .10797 | .00637   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00595 | 2.1685 | .01092 | .03070 | .02092 | .11367 | .02310 | 2.0832   |
| Stddev | .00006 | .0178  | .00041 | .00021 | .00020 | .00030 | .00007 | .0265    |
| %RSD   | 1.0473 | .82073 | 3.7429 | .67895 | .96363 | .26672 | .32078 | 1.2706   |
| #1     | .00599 | 2.1522 | .01137 | .03094 | .02108 | .11388 | .02318 | 2.0908   |
| #2     | .00588 | 2.1660 | .01082 | .03054 | .02069 | .11380 | .02308 | 2.0537   |
| #3     | .00597 | 2.1875 | .01058 | .03062 | .02099 | .11332 | .02304 | 2.1050   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04118 | .01105 | 2.0871 | .04265 | .03960 | 2.0918 | .22181 | .11209   |
| Stddev | .00021 | .00034 | .0083  | .00047 | .00019 | .0277  | .00083 | .01113   |
| %RSD   | .50885 | 3.1201 | .39602 | 1.0940 | .46838 | 1.3251 | .37583 | 9.9268   |
| #1     | .04102 | .01083 | 2.0945 | .04212 | .03967 | 2.1126 | .22219 | .09982   |
| #2     | .04109 | .01145 | 2.0885 | .04280 | .03974 | 2.0603 | .22085 | .12152   |
| #3     | .04141 | .01088 | 2.0782 | .04302 | .03939 | 2.1025 | .22238 | .11495   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01743 | .42767 | .04133 | .04544 | .02310 | .0160  | .02176 | F 2.5657 |
| Stddev | .00235 | .00249 | .00040 | .00209 | .00097 | .0003  | .00004 | .1105    |
| %RSD   | 13.488 | .58167 | .96209 | 4.5911 | 4.1935 | 1.728  | .20455 | 4.3074   |
| #1     | .01968 | .43044 | .04126 | .04329 | .02373 | .0161  | .02174 | 2.5232   |
| #2     | .01499 | .42696 | .04176 | .04555 | .02359 | .0157  | .02172 | 2.6912   |
| #3     | .01760 | .42562 | .04098 | .04746 | .02199 | .0162  | .02181 | 2.4828   |

Sample Name: CRI01      Acquired: 4/10/2019 11:36:11      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .35546 |
| Stddev | .33750   |
| %RSD   | 94.949   |

|    |         |
|----|---------|
| #1 | .40404  |
| #2 | .66603  |
| #3 | -.00371 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4768.5 | 54425. | 6239.1 | 84.419 | 5245.8 |
| Stddev    | 12.8   | 278.   | 17.3   | .969   | 19.1   |
| %RSD      | .26854 | .51072 | .27800 | 1.1480 | .36399 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4754.8 | 54154. | 6226.6 | 85.525 | 5223.8 |
| #2 | 4770.6 | 54412. | 6258.9 | 84.017 | 5255.5 |
| #3 | 4780.2 | 54709. | 6231.7 | 83.717 | 5258.2 |

Sample Name: ICSA01      Acquired: 4/10/2019 11:40:37      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |         |         |        |
|--------|----------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00100   | .00471  | .00419  | .01373  | .00962  | 282.55  | .00650  | .00085 |
| Stddev | .00414   | .00194  | .00187  | .00346  | .00046  | .91     | .00034  | .00007 |
| %RSD   | 415.17   | 41.231  | 44.615  | 25.196  | 4.8109  | .32263  | 5.2802  | 7.7682 |
| #1     | .00046   | .00276  | .00493  | .01350  | .00913  | 281.92  | .00689  | .00081 |
| #2     | .00537   | .00474  | .00206  | .01731  | .01005  | 283.59  | .00624  | .00082 |
| #3     | -.00285  | .00664  | .00557  | .01040  | .00968  | 282.13  | .00637  | .00093 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00088  | 255.57  | .04918  | -.00119 | .00423  | 98.410  | .01512  | 279.11 |
| Stddev | .00010   | .35     | .00057  | .00034  | .00006  | .074    | .00010  | 1.70   |
| %RSD   | 11.825   | .13539  | 1.1512  | 28.773  | 1.5109  | .07492  | .64670  | .60807 |
| #1     | -.00099  | 255.81  | .04897  | -.00085 | .00422  | 98.477  | .01507  | 277.97 |
| #2     | -.00086  | 255.73  | .04875  | -.00118 | .00418  | 98.331  | .01524  | 281.06 |
| #3     | -.00078  | 255.17  | .04982  | -.00154 | .00430  | 98.421  | .01506  | 278.30 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.01293  | -.00611 | -.03657 | .00210  | -.01234 | .00609  | -.00096 | .06523 |
| Stddev | .00026   | .00021  | .01013  | .00016  | .00023  | .03805  | .00042  | .01856 |
| %RSD   | 2.0449   | 3.4499  | 27.691  | 7.8555  | 1.8971  | 624.37  | 43.983  | 28.453 |
| #1     | -.01271  | -.00614 | -.04569 | .00194  | -.01260 | -.03727 | -.00107 | .06333 |
| #2     | -.01285  | -.00589 | -.03835 | .00208  | -.01226 | .02167  | -.00049 | .04769 |
| #3     | -.01322  | -.00631 | -.02567 | .00227  | -.01215 | .03388  | -.00132 | .08467 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | F .02748 | -.00334 | .00492  | -.00087 | .01227  | -.0018  | -.00126 | 4.7369 |
| Stddev | .00311   | .00177  | .00033  | .00191  | .00053  | .0018   | .00017  | .1513  |
| %RSD   | 11.321   | 53.015  | 6.6191  | 219.80  | 4.2841  | 99.91   | 13.883  | 3.1950 |
| #1     | .02389   | -.00184 | .00465  | .00128  | .01175  | -.0027  | -.00130 | 4.6882 |
| #2     | .02920   | -.00289 | .00528  | -.00238 | .01280  | .0003   | -.00107 | 4.9066 |
| #3     | .02934   | -.00529 | .00484  | -.00150 | .01227  | -.0029  | -.00141 | 4.6159 |

Sample Name: ICSA01      Acquired: 4/10/2019 11:40:37      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | .85441  |
| %RSD   | 41.029  |

|    |         |
|----|---------|
| #1 | -3.0582 |
| #2 | -1.7208 |
| #3 | -1.4684 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4222.4 | 49144. | 6040.6 | 77.074 | 4207.3 |
| Stddev    | 9.3    | 265.   | 46.9   | .472   | .7     |
| %RSD      | .22080 | .54007 | .77716 | .61235 | .01744 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4223.4 | 48884. | 5986.4 | 76.533 | 4206.4 |
| #2 | 4212.7 | 49134. | 6066.0 | 77.402 | 4207.7 |
| #3 | 4231.2 | 49414. | 6069.3 | 77.287 | 4207.6 |

Sample Name: ICSAB01      Acquired: 4/10/2019 11:45:16      Type: Unk  
Method: P4-ICP2(v3038)      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    | .10901 | .11183 | .05608 | .06806 | .65622 | 267.33 | .56262 |
| Stddev | .00245 | .00151 | .00122 | .00516 | .00502 | .39    | .00164 |
| %RSD   | 2.2471 | 1.3482 | 2.1832 | 7.5821 | .76573 | .14771 | .29094 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .11046 | .11357 | .05469 | .06569 | .65137 | 267.76 | .56382 |
| #2 | .11038 | .11102 | .05701 | .06451 | .65589 | 266.99 | .56075 |
| #3 | .10618 | .11089 | .05654 | .07398 | .66141 | 267.23 | .56328 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54887 | 1.0282 | 240.61 | .57039 | .52431 | .52271 | 92.744 |
| Stddev | .00067 | .0048  | .83    | .00068 | .00393 | .00503 | .138   |
| %RSD   | .12137 | .46607 | .34554 | .11861 | .74946 | .96257 | .14906 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .54819 | 1.0232 | 241.53 | .57113 | .51983 | .51692 | 92.608 |
| #2 | .54888 | 1.0285 | 240.38 | .57024 | .52591 | .52519 | 92.740 |
| #3 | .54953 | 1.0328 | 239.91 | .56981 | .52719 | .52601 | 92.884 |

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .53992 | 264.62 | 1.0119 | .21050 | -.04186 | .52395 | 1.0847 |
| Stddev | .00039 | .11    | .0073  | .00124 | .00380  | .00072 | .0064  |
| %RSD   | .07190 | .04011 | .72620 | .58923 | 9.0752  | .13799 | .59273 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .54036 | 264.53 | 1.0036 | .20982 | -.03771 | .52355 | 1.0783 |
| #2 | .53963 | 264.60 | 1.0142 | .21193 | -.04269 | .52351 | 1.0848 |
| #3 | .53977 | 264.74 | 1.0178 | .20975 | -.04517 | .52478 | 1.0911 |

|        |        |        |          |          |        |        |        |
|--------|--------|--------|----------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496   | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm      | ppm      | ppm    | ppm    | ppm    |
| Avg    | .02881 | 1.1186 | F 1.2207 | F .02647 | .99194 | 1.1372 | 1.1207 |
| Stddev | .01841 | .0070  | .0342    | .00243   | .00197 | .0134  | .0097  |
| %RSD   | 63.889 | .62331 | 2.8047   | 9.1703   | .19885 | 1.1797 | .86290 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01027 | 1.1112 | 1.2586 | .02508 | .99332 | 1.1226 | 1.1308 |
| #2 | .02909 | 1.1196 | 1.2114 | .02928 | .98968 | 1.1397 | 1.1115 |
| #3 | .04708 | 1.1250 | 1.1920 | .02507 | .99282 | 1.1491 | 1.1197 |

Sample Name: ICSAB01      Acquired: 4/10/2019 11:45:16      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
Comment:

|           |          |          |           |        |         |
|-----------|----------|----------|-----------|--------|---------|
| Elem      | Li6707   | P_1774   | Sr4077    | U_3670 | U_3859  |
| Units     | ppm      | ppm      | ppm       | ppm    | ppm     |
| Avg       | F .01064 | F -.0023 | F -.00108 | 4.5586 | <.00000 |
| Stddev    | .00119   | .0016    | .00036    | .1396  | .22028  |
| %RSD      | 11.170   | 68.43    | 32.983    | 3.0623 | 8.7459  |
| #1        | .00966   | -.0015   | -.00068   | 4.7016 | -2.3167 |
| #2        | .01196   | -.0013   | -.00123   | 4.4227 | -2.7535 |
| #3        | .01030   | -.0041   | -.00135   | 4.5514 | -2.4858 |
| Int. Std. | Y_2243   | Y_3600   | Y_3710    | In2306 | In2306  |
| Units     | Cts/S    | Cts/S    | Cts/S     | Cts/S  | Cts/S   |
| Avg       | 4280.6   | 49920.   | 6181.5    | 78.679 | 4287.6  |
| Stddev    | 6.4      | 89.      | 23.8      | .343   | 9.7     |
| %RSD      | .14874   | .17806   | .38564    | .43556 | .22573  |
| #1        | 4275.2   | 49930.   | 6167.6    | 78.885 | 4281.1  |
| #2        | 4279.0   | 49827.   | 6167.9    | 78.283 | 4282.9  |
| #3        | 4287.6   | 50004.   | 6209.0    | 78.868 | 4298.7  |

Sample Name: CCV01      Acquired: 4/10/2019 11:49:40      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |        |        |        |        |          |
|--------|----------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9422   | 4.9107 | 4.9262 | 4.8754 | 4.9952 | 10.054 | 10.028 | .24667   |
| Stddev | .0095    | .0102  | .0082  | .0072  | .0153  | .050   | .027   | .00041   |
| %RSD   | .19242   | .20686 | .16696 | .14772 | .30568 | .49866 | .26687 | .16477   |
| #1     | 4.9529   | 4.9088 | 4.9168 | 4.8794 | 5.0096 | 10.019 | 9.9984 | .24653   |
| #2     | 4.9394   | 4.9017 | 4.9300 | 4.8798 | 4.9969 | 10.111 | 10.037 | .24713   |
| #3     | 4.9345   | 4.9217 | 4.9319 | 4.8671 | 4.9792 | 10.032 | 10.050 | .24636   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4292   | 24.807 | 1.0020 | 2.4734 | 1.2400 | 4.9595 | 2.5275 | 24.893   |
| Stddev | .0015    | .097   | .0014  | .0040  | .0033  | .0079  | .0046  | .232     |
| %RSD   | .06110   | .39233 | .13889 | .16019 | .26951 | .16005 | .18086 | .93396   |
| #1     | 2.4289   | 24.909 | 1.0011 | 2.4699 | 1.2438 | 4.9531 | 2.5264 | 24.769   |
| #2     | 2.4280   | 24.797 | 1.0014 | 2.4727 | 1.2387 | 4.9571 | 2.5325 | 25.162   |
| #3     | 2.4309   | 24.715 | 1.0036 | 2.4777 | 1.2375 | 4.9684 | 2.5236 | 24.750   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4410   | 1.2346 | 25.201 | 2.4724 | 2.4143 | 24.732 | 5.0072 | 4.9437   |
| Stddev | .0058    | .0016  | .062   | .0011  | .0035  | .050   | .0077  | .0367    |
| %RSD   | .23783   | .12817 | .24554 | .04290 | .14512 | .20253 | .15338 | .74213   |
| #1     | 2.4406   | 1.2335 | 25.203 | 2.4729 | 2.4106 | 24.678 | 5.0160 | 4.9013   |
| #2     | 2.4354   | 1.2339 | 25.262 | 2.4731 | 2.4147 | 24.777 | 5.0032 | 4.9665   |
| #3     | 2.4470   | 1.2364 | 25.139 | 2.4712 | 2.4176 | 24.742 | 5.0023 | 4.9631   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F 4.7131 | 4.7977 | 4.8650 | 5.0604 | 4.9515 | 4.800  | 5.0514 | F 3.0825 |
| Stddev | .0152    | .0234  | .0085  | .0114  | .0207  | .009   | .0258  | .1537    |
| %RSD   | .32224   | .48875 | .17400 | .22460 | .41721 | .1970  | .51058 | 4.9850   |
| #1     | 4.7016   | 4.8098 | 4.8593 | 5.0718 | 4.9743 | 4.789  | 5.0753 | 3.0726   |
| #2     | 4.7073   | 4.7707 | 4.8608 | 5.0603 | 4.9340 | 4.804  | 5.0241 | 3.2409   |
| #3     | 4.7303   | 4.8127 | 4.8747 | 5.0491 | 4.9461 | 4.807  | 5.0549 | 2.9340   |

Sample Name: CCV01      Acquired: 4/10/2019 11:49:40      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.4872  
Stddev      .3500  
%RSD      14.071

#1      2.0858  
#2      2.6469  
#3      2.7288

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4631.4 | 53156. | 6309.2 | 82.357 | 4804.9 |
| Stddev    | 17.7   | 47.    | 36.0   | .962   | 3.5    |
| %RSD      | .38233 | .08760 | .56985 | 1.1684 | .07369 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4612.3 | 53201. | 6285.5 | 81.751 | 4801.0 |
| #2 | 4634.6 | 53108. | 6350.6 | 83.467 | 4805.8 |
| #3 | 4647.3 | 53160. | 6291.6 | 81.854 | 4807.9 |

Sample Name: LLCCV01      Acquired: 4/10/2019 11:53:48      Type: Unk  
Method: P4-ICP2(v3038)      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    | .02042 | .04196 | .01232 | .02155 | .05237 | .09424  | .10723 | .00629   |
| Stddev | .00286 | .00043 | .00045 | .00320 | .00085 | .00638  | .00077 | .00003   |
| %RSD   | 14.013 | 1.0266 | 3.6658 | 14.848 | 1.6303 | 6.7681  | .71965 | .42638   |
| #1     | .01713 | .04241 | .01282 | .02108 | .05324 | .09824  | .10647 | .00632   |
| #2     | .02185 | .04155 | .01217 | .01861 | .05153 | .08688  | .10801 | .00626   |
| #3     | .02229 | .04192 | .01196 | .02496 | .05234 | .09758  | .10722 | .00629   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .00596 | 2.1151 | .01041 | .03029 | .02059 | .11118  | .02278 | 2.0933   |
| Stddev | .00004 | .0118  | .00023 | .00023 | .00003 | .00074  | .00017 | .0092    |
| %RSD   | .74739 | .55950 | 2.1809 | .74699 | .13668 | .66783  | .75481 | .43853   |
| #1     | .00594 | 2.1225 | .01061 | .03005 | .02062 | .11204  | .02283 | 2.0903   |
| #2     | .00594 | 2.1015 | .01046 | .03031 | .02059 | .11083  | .02293 | 2.1035   |
| #3     | .00602 | 2.1214 | .01017 | .03050 | .02056 | .11069  | .02259 | 2.0859   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .04094 | .01121 | 2.0763 | .04156 | .03963 | 2.1066  | .21917 | .11184   |
| Stddev | .00028 | .00025 | .0043  | .00039 | .00012 | .0053   | .00072 | .01019   |
| %RSD   | .67241 | 2.2369 | .20860 | .93834 | .30039 | .25336  | .32884 | 9.1096   |
| #1     | .04075 | .01116 | 2.0811 | .04153 | .03967 | 2.1037  | .21836 | .11245   |
| #2     | .04125 | .01098 | 2.0749 | .04118 | .03950 | 2.1032  | .21973 | .10136   |
| #3     | .04082 | .01147 | 2.0728 | .04196 | .03973 | 2.1127  | .21942 | .12171   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .01742 | .41598 | .04178 | .04231 | .02334 | F .0157 | .02150 | F 2.0480 |
| Stddev | .00314 | .00385 | .00062 | .00122 | .00065 | .0007   | .00002 | .1772    |
| %RSD   | 17.999 | .92542 | 1.4799 | 2.8793 | 2.7889 | 4.676   | .10492 | 8.6504   |
| #1     | .01615 | .42042 | .04247 | .04119 | .02409 | .0150   | .02148 | 2.0832   |
| #2     | .02099 | .41356 | .04128 | .04211 | .02301 | .0165   | .02149 | 2.2050   |
| #3     | .01512 | .41396 | .04158 | .04361 | .02292 | .0157   | .02152 | 1.8559   |

Sample Name: LLCCV01      Acquired: 4/10/2019 11:53:48      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .39913 |
| Stddev | .12371   |
| %RSD   | 30.994   |

|    |        |
|----|--------|
| #1 | .38999 |
| #2 | .52716 |
| #3 | .28025 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4791.2 | 55024. | 6369.9 | 86.750 | 5273.5 |
| Stddev    | 2.2    | 57.    | 22.0   | .677   | 1.2    |
| %RSD      | .04584 | .10301 | .34555 | .77993 | .02335 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4793.7 | 54975. | 6354.3 | 86.017 | 5274.5 |
| #2 | 4790.0 | 55012. | 6395.1 | 87.350 | 5272.1 |
| #3 | 4789.9 | 55086. | 6360.4 | 86.883 | 5273.9 |

Sample Name: CCB01      Acquired: 4/10/2019 11:58:16      Type: Unk  
Method: P4-ICP2(v3038)      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    | .00166  | .00058  | -.00114 | .00089  | .00063  | -.01006 | .00035  | -.00005  |
| Stddev | .00331  | .00049  | .00074  | .00090  | .00093  | .00570  | .00021  | .00005   |
| %RSD   | 198.85  | 84.415  | 65.164  | 100.65  | 146.43  | 56.686  | 58.632  | 90.588   |
| #1     | -.00186 | .00049  | -.00138 | .00082  | .00108  | -.00402 | .00012  | -.00010  |
| #2     | .00214  | .00014  | -.00173 | .00183  | -.00043 | -.01534 | .00043  | -.00001  |
| #3     | .00471  | .00110  | -.00031 | .00004  | .00125  | -.01081 | .00051  | -.00004  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00000 | -.00875 | -.00013 | -.00006 | -.00185 | -.00105 | -.00002 | .02843   |
| Stddev | .00007  | .00417  | .00019  | .00016  | .00033  | .00018  | .00004  | .02001   |
| %RSD   | 1405.3  | 47.708  | 152.33  | 270.86  | 17.580  | 17.237  | 201.76  | 70.384   |
| #1     | .00007  | -.00593 | -.00000 | -.00002 | -.00164 | -.00094 | -.00001 | .05109   |
| #2     | -.00006 | -.01354 | -.00035 | .00008  | -.00169 | -.00095 | -.00007 | .01314   |
| #3     | -.00002 | -.00677 | -.00003 | -.00024 | -.00222 | -.00126 | .00001  | .02107   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00015  | .00003  | -.08638 | .00010  | -.00025 | .00359  | -.00031 | -.00073  |
| Stddev | .00024  | .00027  | .00633  | .00010  | .00006  | .00416  | .00016  | .00645   |
| %RSD   | 157.11  | 952.94  | 7.3254  | 101.48  | 23.608  | 115.70  | 52.089  | 885.30   |
| #1     | -.00006 | .00032  | -.08530 | .00003  | -.00021 | .00015  | -.00043 | .00344   |
| #2     | .00011  | -.00021 | -.08066 | .00021  | -.00032 | .00822  | -.00039 | .00254   |
| #3     | .00041  | -.00003 | -.09317 | .00005  | -.00023 | .00242  | -.00013 | -.00816  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00437 | -.00178 | .00000  | -.00019 | .00025  | -.0021  | .00000  | F 2.0942 |
| Stddev | .00166  | .00131  | .00074  | .00060  | .00046  | .0013   | .00006  | .1268    |
| %RSD   | 38.117  | 73.560  | 71673.  | 312.75  | 185.20  | 60.56   | 1375.9  | 6.0567   |
| #1     | -.00260 | -.00030 | -.00044 | -.00081 | .00041  | -.0027  | .00001  | 2.2131   |
| #2     | -.00590 | -.00226 | .00086  | .00038  | .00060  | -.0030  | .00006  | 2.1089   |
| #3     | -.00460 | -.00278 | -.00041 | -.00014 | -.00027 | -.0006  | -.00006 | 1.9607   |

Sample Name: CCB01      Acquired: 4/10/2019 11:58:16      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .31662  
Stddev      .40949  
%RSD      129.33

#1      .75139  
#2      -.06174  
#3      .26021

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4803.5 | 55082. | 6388.7 | 87.539 | 5336.8 |
| Stddev    | 13.7   | 126.   | 36.0   | .678   | 8.7    |
| %RSD      | .28526 | .22875 | .56410 | .77398 | .16388 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4788.5 | 54965. | 6347.4 | 86.958 | 5326.8 |
| #2 | 4806.5 | 55065. | 6405.0 | 88.283 | 5341.0 |
| #3 | 4815.4 | 55215. | 6413.8 | 87.375 | 5342.7 |

Sample Name: LR CHECK 1      Acquired: 4/10/2019 12:02:59      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |        |        |         |         |
|--------|---------|---------|---------|---------|--------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.09349 | -.00052 | .27430  | -.08923 | .11060 | 1875.1 | .01006  | .02037  |
| Stddev | .00783  | .00117  | .00609  | .01540  | .00425 | 8.9    | .00051  | .00009  |
| %RSD   | 8.3719  | 224.07  | 2.2204  | 17.257  | 3.8450 | .47544 | 5.0279  | .42838  |
| #1     | -.10070 | .00078  | .26731  | -.08364 | .11513 | 1883.5 | .00971  | .02031  |
| #2     | -.09460 | -.00085 | .27844  | -.07741 | .10999 | 1876.2 | .01064  | .02033  |
| #3     | -.08516 | -.00150 | .27715  | -.10665 | .10669 | 1865.8 | .00982  | .02047  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .12905  | 1659.2  | -.11513 | .08088  | .15925 | 970.60 | -.01959 | 1887.2  |
| Stddev | .00120  | 10.2    | .00089  | .00025  | .00155 | 7.25   | .00035  | 6.5     |
| %RSD   | .92916  | .61282  | .77241  | .31324  | .97095 | .74697 | 1.7860  | .34404  |
| #1     | .12833  | 1650.8  | -.11600 | .08114  | .15807 | 976.18 | -.01992 | 1888.0  |
| #2     | .12839  | 1670.5  | -.11515 | .08085  | .15868 | 973.22 | -.01963 | 1880.4  |
| #3     | .13044  | 1656.3  | -.11422 | .08064  | .16100 | 962.41 | -.01923 | 1893.3  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.06535 | -.23878 | 1962.7  | .01874  | .18159 | 975.84 | -.01432 | -.27508 |
| Stddev | .00188  | .00101  | 35.6    | .00013  | .00049 | 7.43   | .00092  | .03396  |
| %RSD   | 2.8726  | .42235  | 1.8122  | .67613  | .26883 | .76095 | 6.3932  | 12.344  |
| #1     | -.06526 | -.23768 | 2003.7  | .01860  | .18126 | 983.56 | -.01523 | -.23836 |
| #2     | -.06352 | -.23900 | 1943.8  | .01884  | .18135 | 968.74 | -.01340 | -.30535 |
| #3     | -.06727 | -.23966 | 1940.6  | .01879  | .18215 | 975.23 | -.01433 | -.28154 |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .47250  | .00459  | .04749  | -.05652 | .09379 | .0655  | -1.0532 | 1.2774  |
| Stddev | .00451  | .00505  | .00269  | .00173  | .00018 | .0062  | .0080   | .0514   |
| %RSD   | .95398  | 110.03  | 5.6705  | 3.0696  | .19217 | 9.524  | .75784  | 4.0252  |
| #1     | .47507  | .00763  | .04553  | -.05750 | .09375 | .0725  | -1.0592 | 1.2998  |
| #2     | .46730  | .00736  | .05056  | -.05755 | .09362 | .0636  | -1.0561 | 1.3138  |
| #3     | .47513  | -.00124 | .04638  | -.05452 | .09398 | .0605  | -1.0441 | 1.2186  |

Sample Name: LR CHECK 1      Acquired: 4/10/2019 12:02:59      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | .89786  |
| %RSD   | .46726  |

|    |         |
|----|---------|
| #1 | -192.21 |
| #2 | -193.02 |
| #3 | -191.23 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3141.0 | 38513. | 5373.6 | 59.068 | 2566.3 |
| Stddev    | 6.2    | 20.    | 36.6   | .744   | .7     |
| %RSD      | .19580 | .05090 | .68117 | 1.2601 | .02820 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3147.0 | 38493. | 5364.1 | 59.205 | 2565.6 |
| #2 | 3141.2 | 38532. | 5342.7 | 58.265 | 2566.4 |
| #3 | 3134.7 | 38515. | 5414.1 | 59.735 | 2567.0 |

Sample Name: LR CHECK 2      Acquired: 4/10/2019 12:08:02      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |         |        |         |
|--------|--------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00004 | -.01225 | 234.56 | .02661 | -.03188 | -.30518 | 93.070 | -.00151 |
| Stddev | .00241 | .00129  | 1.80   | .00053 | .00102  | .00374  | .290   | .00007  |
| %RSD   | 5797.2 | 10.526  | .76547 | 1.9856 | 3.1838  | 1.2264  | .31211 | 4.6645  |

|    |         |         |        |        |         |         |        |         |
|----|---------|---------|--------|--------|---------|---------|--------|---------|
| #1 | .00176  | -.01251 | 233.74 | .02652 | -.03285 | -.30213 | 93.379 | -.00144 |
| #2 | .00108  | -.01086 | 233.32 | .02718 | -.03082 | -.30406 | 92.802 | -.00150 |
| #3 | -.00272 | -.01340 | 236.62 | .02613 | -.03198 | -.30936 | 93.028 | -.00158 |

|        |         |        |         |         |        |         |        |         |
|--------|---------|--------|---------|---------|--------|---------|--------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00584 | .18760 | -.13258 | -.00454 | 260.10 | -.75956 | 42.972 | -.12774 |
| Stddev | .00004  | .01006 | .00115  | .00021  | .48    | .00467  | .224   | .04728  |
| %RSD   | .70979  | 5.3651 | .86911  | 4.5915  | .18545 | .61482  | .52016 | 37.016  |

|    |         |        |         |         |        |         |        |         |
|----|---------|--------|---------|---------|--------|---------|--------|---------|
| #1 | -.00586 | .19748 | -.13239 | -.00460 | 259.55 | -.75690 | 42.968 | -.07649 |
| #2 | -.00586 | .17736 | -.13153 | -.00471 | 260.28 | -.75682 | 42.751 | -.16966 |
| #3 | -.00579 | .18796 | -.13381 | -.00431 | 260.46 | -.76495 | 43.198 | -.13707 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | 49.830 | .00866 | .98597 | -.10478 | 34.101 | 1.3574 | -.00899 | .00300 |
| Stddev | .100   | .00040 | .01231 | .00100  | .596   | .1350  | .00045  | .00450 |
| %RSD   | .19992 | 4.6226 | 1.2485 | .95328  | 1.7465 | 9.9428 | 4.9548  | 150.03 |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | 49.800 | .00888 | .98530 | -.10547 | 34.781 | 1.4903 | -.00866 | -.00204 |
| #2 | 49.748 | .00891 | .99860 | -.10363 | 33.676 | 1.3613 | -.00883 | .00660  |
| #3 | 49.941 | .00820 | .97400 | -.10524 | 33.845 | 1.2204 | -.00950 | .00443  |

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06556 | -.00241 | .00265 | .02017 | -.00184 | .0807  | .00304 | 3.8740 |
| Stddev | .00411 | .00138  | .00127 | .00095 | .00162  | .0025  | .00004 | .2242  |
| %RSD   | 6.2749 | 57.034  | 47.994 | 4.7253 | 87.961  | 3.074  | 1.3332 | 5.7869 |

|    |        |         |        |        |         |       |        |        |
|----|--------|---------|--------|--------|---------|-------|--------|--------|
| #1 | .06529 | -.00305 | .00141 | .01989 | -.00298 | .0814 | .00309 | 3.6904 |
| #2 | .06158 | -.00083 | .00395 | .02123 | .00001  | .0780 | .00301 | 4.1238 |
| #3 | .06980 | -.00335 | .00257 | .01938 | -.00256 | .0829 | .00302 | 3.8076 |

Sample Name: LR CHECK 2      Acquired: 4/10/2019 12:08:02      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .50249  
 Stddev      .26064  
 %RSD      51.870

#1      .20625  
 #2      .60461  
 #3      .69661

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4324.0 | 54890. | 6403.4 | 86.206 | 4837.2 |
| Stddev    | 7.5    | 151.   | 37.5   | .461   | 14.7   |
| %RSD      | .17367 | .27445 | .58542 | .53451 | .30389 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4328.2 | 54850. | 6369.0 | 86.000 | 4838.7 |
| #2 | 4328.5 | 55056. | 6443.4 | 86.733 | 4851.1 |
| #3 | 4315.4 | 54763. | 6398.0 | 85.883 | 4821.8 |

Sample Name: K2200-01      Acquired: 4/10/2019 12:13:46      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-040919      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02420 | .00424 | .35415 | .03174 | .00786 | 114.72 | .56366 |
| Stddev | .00027 | .00024 | .02555 | .00161 | .00109 | .40    | .00124 |
| %RSD   | 1.1039 | 5.6039 | 7.2138 | 5.0865 | 13.801 | .34869 | .22038 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02431 | .00427 | .38048 | .03063 | .00875 | 114.97 | .56466 |
| #2 | .02438 | .00399 | .35251 | .03100 | .00819 | 114.93 | .56405 |
| #3 | .02389 | .00446 | .32947 | .03359 | .00665 | 114.26 | .56227 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00764 | .00202 | 94.781 | .14520 | .10612 | .26287 | 185.82 |
| Stddev | .00007 | .00006 | .370   | .00092 | .00056 | .00119 | .19    |
| %RSD   | .87042 | 2.8016 | .39080 | .63037 | .52495 | .45173 | .10325 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00770 | .00197 | 95.053 | .14456 | .10552 | .26313 | 185.86 |
| #2 | .00766 | .00208 | 94.359 | .14478 | .10662 | .26391 | 185.99 |
| #3 | .00757 | .00202 | 94.932 | .14625 | .10623 | .26158 | 185.61 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.7474 | 52.432 | .15400 | -.01454 | 10.581 | .28360 | .60022 |
| Stddev | .0055  | .235   | .00074 | .00040  | .250   | .00091 | .00059 |
| %RSD   | .14551 | .44799 | .48074 | 2.7733  | 2.3629 | .32042 | .09772 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.7484 | 52.281 | .15325 | -.01440 | 10.844 | .28376 | .60068 |
| #2 | 3.7415 | 52.703 | .15473 | -.01422 | 10.554 | .28262 | .60042 |
| #3 | 3.7522 | 52.312 | .15401 | -.01499 | 10.346 | .28442 | .59956 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.627 | .00300 | .13265 | 4.0113 | 7.7738 | .02046 | 3.0689 |
| Stddev | .114   | .00029 | .00898 | .0092  | .1225  | .00051 | .0154  |
| %RSD   | .90024 | 9.7959 | 6.7660 | .22831 | 1.5753 | 2.4733 | .50150 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.724 | .00275 | .13305 | 4.0028 | 7.8732 | .01992 | 3.0638 |
| #2 | 12.654 | .00292 | .14142 | 4.0210 | 7.6370 | .02053 | 3.0862 |
| #3 | 12.502 | .00332 | .12348 | 4.0102 | 7.8111 | .02092 | 3.0568 |

Sample Name: K2200-01      Acquired: 4/10/2019 12:13:46      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EO-01-040919      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .11819 | 8.142  | .06298 | <.00000 | F<.00000 |
| Stddev    | .00073 | .038   | .00148 | .14101  | .36677   |
| %RSD      | .61448 | .4699  | 2.3494 | 6.3832  | 1.8853   |
| #1        | .11735 | 8.099  | .06419 | -2.0709 | -19.304  |
| #2        | .11857 | 8.154  | .06133 | -2.3527 | -19.872  |
| #3        | .11864 | 8.172  | .06342 | -2.2036 | -19.187  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 5381.1 | 63344. | 7785.4 | 83.775  | 4570.1   |
| Stddev    | 1.8    | 171.   | 43.2   | 2.041   | 13.9     |
| %RSD      | .03375 | .26969 | .55535 | 2.4366  | .30364   |
| #1        | 5380.5 | 63216. | 7748.5 | 81.470  | 4583.5   |
| #2        | 5379.6 | 63278. | 7833.0 | 84.497  | 4571.1   |
| #3        | 5383.1 | 63538. | 7774.8 | 85.356  | 4555.8   |

Sample Name: K2200-01DUP      Acquired: 4/10/2019 12:18:11      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-040919      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02497 | .00286 | .27852 | .03172 | .00771 | 116.38 | .56954 |
| Stddev | .00086 | .00076 | .00218 | .00161 | .00291 | .69    | .00480 |
| %RSD   | 3.4464 | 26.748 | .78380 | 5.0603 | 37.747 | .58999 | .84290 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02532 | .00274 | .28098 | .03010 | .00436 | 116.15 | .56722 |
| #2 | .02561 | .00216 | .27772 | .03174 | .00924 | 115.83 | .56635 |
| #3 | .02399 | .00367 | .27684 | .03331 | .00955 | 117.15 | .57506 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00765 | .00188 | 96.833 | .14622 | .10761 | .25831 | 188.87 |
| Stddev | .00012 | .00010 | .256   | .00112 | .00022 | .00067 | .97    |
| %RSD   | 1.5900 | 5.4599 | .26442 | .76711 | .19986 | .26022 | .51356 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00758 | .00177 | 97.122 | .14626 | .10748 | .25790 | 189.68 |
| #2 | .00758 | .00190 | 96.740 | .14508 | .10786 | .25794 | 189.12 |
| #3 | .00779 | .00197 | 96.636 | .14733 | .10750 | .25908 | 187.80 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.7745 | 54.642 | .15622 | -.01408 | 10.181 | .28598 | .59383 |
| Stddev | .0138  | .332   | .00102 | .00027  | .048   | .00046 | .00092 |
| %RSD   | .36665 | .60773 | .65211 | 1.9318  | .47000 | .15981 | .15557 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.7814 | 54.398 | .15570 | -.01377 | 10.153 | .28574 | .59489 |
| #2 | 3.7836 | 54.508 | .15739 | -.01417 | 10.155 | .28651 | .59337 |
| #3 | 3.7586 | 55.020 | .15557 | -.01429 | 10.237 | .28570 | .59323 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.561 | .00335 | .14620 | 4.0332 | 7.6608 | .02102 | 3.0924 |
| Stddev | .116   | .00022 | .00715 | .0059  | .0928  | .00166 | .0117  |
| %RSD   | .92575 | 6.6532 | 4.8922 | .14548 | 1.2117 | 7.8899 | .37752 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.554 | .00339 | .13795 | 4.0395 | 7.7400 | .02126 | 3.1057 |
| #2 | 12.449 | .00355 | .15064 | 4.0322 | 7.6837 | .02255 | 3.0878 |
| #3 | 12.681 | .00311 | .15001 | 4.0279 | 7.5586 | .01926 | 3.0838 |

Sample Name: K2200-01DUP      Acquired: 4/10/2019 12:18:11      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EO-01-040919      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .12127 | 8.321  | .06100 | <.00000 | F<.00000 |
| Stddev    | .00111 | .018   | .00045 | .52846  | .38244   |
| %RSD      | .91435 | .2222  | .74157 | 31.709  | 2.0519   |
| #1        | .12085 | 8.326  | .06048 | -1.2934 | -18.395  |
| #2        | .12252 | 8.337  | .06130 | -1.4351 | -19.079  |
| #3        | .12043 | 8.301  | .06122 | -2.2713 | -18.441  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 5343.7 | 62691. | 7754.3 | 83.743  | 4488.6   |
| Stddev    | 3.5    | 152.   | 60.9   | 1.800   | 9.8      |
| %RSD      | .06470 | .24263 | .78574 | 2.1498  | .21745   |
| #1        | 5339.9 | 62719. | 7711.7 | 81.904  | 4479.3   |
| #2        | 5344.5 | 62827. | 7727.1 | 83.825  | 4487.7   |
| #3        | 5346.7 | 62527. | 7824.1 | 85.502  | 4498.7   |

Sample Name: K2200-01LX5      Acquired: 4/10/2019 12:22:36      Type: Unk  
Method: P4-ICP2(v3038)      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    | .00640 | .00315 | .05704 | .01261 | .00194 | 26.406 | .12962 |
| Stddev | .00034 | .00046 | .00085 | .00194 | .00093 | .131   | .00117 |
| %RSD   | 5.2929 | 14.663 | 1.4862 | 15.360 | 48.130 | .49567 | .90560 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00634 | .00368 | .05790 | .01309 | .00107 | 26.255 | .12840 |
| #2 | .00609 | .00284 | .05702 | .01048 | .00293 | 26.473 | .13074 |
| #3 | .00676 | .00293 | .05621 | .01427 | .00182 | 26.489 | .12974 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00171 | -.00142 | 23.019 | .03511 | .02096 | .06328 | 50.844 |
| Stddev | .00006 | .00004  | .172   | .00030 | .00024 | .00010 | .189   |
| %RSD   | 3.6812 | 2.6267  | .74692 | .86059 | 1.1617 | .16260 | .37259 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00167 | -.00139 | 23.164 | .03546 | .02109 | .06321 | 50.656 |
| #2 | .00167 | -.00141 | 23.065 | .03489 | .02111 | .06340 | 51.035 |
| #3 | .00178 | -.00146 | 22.829 | .03500 | .02068 | .06325 | 50.843 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .92128 | 12.145 | .03004 | -.00226 | 2.5098 | .06864 | .10371 |
| Stddev | .00046 | .105   | .00026 | .00032  | .0128  | .00049 | .00011 |
| %RSD   | .05003 | .86443 | .86847 | 13.937  | .51164 | .71124 | .10558 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .92110 | 12.069 | .03002 | -.00211 | 2.5066 | .06877 | .10372 |
| #2 | .92094 | 12.102 | .03031 | -.00205 | 2.5240 | .06810 | .10381 |
| #3 | .92181 | 12.265 | .02979 | -.00262 | 2.4990 | .06905 | .10359 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.8999 | .00035 | .04707 | .74444 | 1.7820 | .00464 | .73618 |
| Stddev | .0254  | .00019 | .00775 | .00270 | .0479  | .00052 | .00284 |
| %RSD   | .87701 | 55.641 | 16.462 | .36276 | 2.6870 | 11.288 | .38604 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.8803 | .00055 | .04569 | .74227 | 1.7367 | .00514 | .73305 |
| #2 | 2.9287 | .00017 | .05541 | .74746 | 1.8321 | .00469 | .73860 |
| #3 | 2.8909 | .00032 | .04010 | .74359 | 1.7771 | .00409 | .73690 |

Sample Name: K2200-01LX5      Acquired: 4/10/2019 12:22:36      Type: Unk  
Method: P4-ICP2(v3038)      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    | .02761 | 1.537  | .00881 | 2.1481 | F<.00000 |
| Stddev | .00121 | .002   | .00032 | .1180  | .27048   |
| %RSD   | 4.3812 | .1534  | 3.6384 | 5.4928 | 22.715   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02797 | 1.535 | .00909 | 2.1989 | -1.5026 |
| #2 | .02860 | 1.536 | .00846 | 2.2322 | -1.0497 |
| #3 | .02627 | 1.540 | .00889 | 2.0132 | -1.0199 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4829.2 | 55940. | 6601.1 | 84.719 | 4984.5 |
| Stddev    | 12.5   | 164.   | 69.4   | 1.961  | 11.2   |
| %RSD      | .25932 | .29299 | 1.0510 | 2.3151 | .22484 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4815.0 | 55970. | 6531.9 | 83.642 | 4971.7 |
| #2 | 4834.4 | 55764. | 6600.5 | 86.983 | 4989.4 |
| #3 | 4838.4 | 56088. | 6670.7 | 83.533 | 4992.5 |

Sample Name: K2200-01MS      Acquired: 4/10/2019 12:27:01      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-040919      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .67098 | 1.9834 | 1.2734 | 1.6565 | .15314 | 131.92 | .78041 |
| Stddev | .00193 | .0076  | .0039  | .0038  | .00124 | .23    | .00278 |
| %RSD   | .28828 | .38261 | .30573 | .22846 | .80772 | .17225 | .35625 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .67184 | 1.9754 | 1.2761 | 1.6537 | .15402 | 131.68 | .77847 |
| #2 | .67233 | 1.9905 | 1.2751 | 1.6608 | .15367 | 132.14 | .78359 |
| #3 | .66876 | 1.9842 | 1.2689 | 1.6550 | .15172 | 131.93 | .77915 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17930 | .20208 | 77.737 | .46885 | .32269 | .51811 | 188.18 |
| Stddev | .00014 | .00030 | .259   | .00069 | .00148 | .00030 | .59    |
| %RSD   | .07628 | .14780 | .33352 | .14778 | .45750 | .05823 | .31159 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17939 | .20238 | 78.034 | .46927 | .32351 | .51785 | 188.83 |
| #2 | .17936 | .20206 | 77.619 | .46924 | .32357 | .51844 | 187.68 |
| #3 | .17914 | .20179 | 77.557 | .46805 | .32098 | .51804 | 188.04 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.8256 | 47.050 | .67740 | .04703 | 12.959 | .52323 | .76726 |
| Stddev | .0030  | .070   | .00096 | .00078 | .063   | .00131 | .00049 |
| %RSD   | .07770 | .14918 | .14211 | 1.6488 | .48434 | .24985 | .06358 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.8273 | 46.991 | .67821 | .04780 | 12.984 | .52445 | .76739 |
| #2 | 3.8272 | 47.127 | .67767 | .04705 | 13.006 | .52185 | .76768 |
| #3 | 3.8221 | 47.031 | .67634 | .04625 | 12.888 | .52339 | .76672 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 21.620 | .31418 | .36283 | 4.6330 | 7.5803 | .69566 | 3.6865 |
| Stddev | .119   | .00036 | .00272 | .0031  | .1006  | .00075 | .0124  |
| %RSD   | .55013 | .11423 | .74945 | .06743 | 1.3270 | .10842 | .33494 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 21.614 | .31455 | .36006 | 4.6294 | 7.6466 | .69492 | 3.6804 |
| #2 | 21.742 | .31415 | .36550 | 4.6351 | 7.6298 | .69562 | 3.7007 |
| #3 | 21.504 | .31383 | .36292 | 4.6344 | 7.4646 | .69643 | 3.6785 |

Sample Name: K2200-01MS      Acquired: 4/10/2019 12:27:01      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EO-01-040919      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |          |
|--------|--------|---------|--------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .29329 | F 13.86 | .23648 | <.00000 | F<.00000 |
| Stddev | .00151 | .03     | .00139 | .05862  | .44132   |
| %RSD   | .51642 | .2432   | .58887 | 5.6502  | 2.1101   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .29235 | 13.82 | .23795 | -1.0661 | -20.676 |
| #2 | .29248 | 13.86 | .23632 | -1.0764 | -20.645 |
| #3 | .29503 | 13.89 | .23518 | -.97009 | -21.424 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5261.1 | 62357. | 7633.1 | 81.398 | 4385.8 |
| Stddev    | 7.0    | 60.    | 36.4   | 2.273  | 5.1    |
| %RSD      | .13225 | .09652 | .47715 | 2.7920 | .11569 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5255.7 | 62289. | 7591.1 | 79.518 | 4380.0 |
| #2 | 5269.0 | 62404. | 7651.8 | 80.752 | 4388.3 |
| #3 | 5258.7 | 62379. | 7656.4 | 83.923 | 4389.2 |

Sample Name: K2200-01MSD      Acquired: 4/10/2019 12:31:18      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-040919      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .64842 | 1.8958 | 1.2236 | 1.5966 | .14857 | 128.41 | .75663 |
| Stddev | .00352 | .0085  | .0025  | .0009  | .00192 | .15    | .00215 |
| %RSD   | .54251 | .44710 | .20315 | .05762 | 1.2932 | .12017 | .28393 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .64436 | 1.8957 | 1.2263 | 1.5968 | .15077 | 128.49 | .75899 |
| #2 | .65059 | 1.8874 | 1.2229 | 1.5956 | .14722 | 128.52 | .75613 |
| #3 | .65030 | 1.9044 | 1.2215 | 1.5975 | .14772 | 128.24 | .75478 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17314 | .19413 | 74.861 | .45299 | .30989 | .49859 | 182.52 |
| Stddev | .00024 | .00040 | .400   | .00145 | .00027 | .00100 | .96    |
| %RSD   | .13912 | .20848 | .53434 | .31904 | .08715 | .20082 | .52484 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17337 | .19455 | 75.237 | .45257 | .30990 | .49951 | 181.55 |
| #2 | .17315 | .19412 | 74.441 | .45180 | .31015 | .49872 | 183.47 |
| #3 | .17289 | .19374 | 74.905 | .45460 | .30961 | .49752 | 182.54 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.7022 | 45.400 | .64643 | .04603 | 12.681 | .50553 | .73116 |
| Stddev | .0048  | .221   | .00157 | .00020 | .029   | .00093 | .00079 |
| %RSD   | .13036 | .48650 | .24282 | .44133 | .23189 | .18404 | .10796 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.6995 | 45.184 | .64617 | .04582 | 12.713 | .50612 | .73064 |
| #2 | 3.6994 | 45.391 | .64501 | .04622 | 12.675 | .50446 | .73077 |
| #3 | 3.7078 | 45.625 | .64812 | .04605 | 12.655 | .50602 | .73207 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 20.917 | .30309 | .33908 | 4.4066 | 7.0282 | .66295 | 3.5677 |
| Stddev | .042   | .00059 | .00994 | .0078  | .1824  | .00151 | .0135  |
| %RSD   | .20093 | .19326 | 2.9326 | .17729 | 2.5950 | .22722 | .37701 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 20.942 | .30361 | .35053 | 4.4129 | 7.2154 | .66383 | 3.5823 |
| #2 | 20.941 | .30246 | .33262 | 4.4092 | 7.0182 | .66380 | 3.5559 |
| #3 | 20.869 | .30319 | .33409 | 4.3979 | 6.8510 | .66121 | 3.5648 |

Sample Name: K2200-01MSD      Acquired: 4/10/2019 12:31:18      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-040919      Custom ID2:      Custom ID3:  
Comment:

|           |        |         |        |         |          |
|-----------|--------|---------|--------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg       | .28560 | F 13.22 | .22723 | <.00000 | F<.00000 |
| Stddev    | .00213 | .04     | .00225 | .18009  | .94796   |
| %RSD      | .74625 | .2920   | .99142 | 10.547  | 4.6394   |
| #1        | .28626 | 13.23   | .22964 | -1.7982 | -20.814  |
| #2        | .28321 | 13.17   | .22517 | -1.8243 | -21.131  |
| #3        | .28731 | 13.24   | .22688 | -1.5001 | -19.354  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 5399.1 | 63917.  | 7845.2 | 83.918  | 4543.6   |
| Stddev    | 10.2   | 97.     | 17.5   | .431    | 5.0      |
| %RSD      | .18960 | .15113  | .22280 | .51379  | .10909   |
| #1        | 5410.2 | 64018.  | 7828.8 | 83.766  | 4548.9   |
| #2        | 5390.0 | 63825.  | 7863.6 | 84.404  | 4539.1   |
| #3        | 5397.1 | 63908.  | 7843.3 | 83.583  | 4542.7   |

Sample Name: K2200-01A      Acquired: 4/10/2019 12:35:34      Type: Unk  
 Method: P4-ICP2(v3038)      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    | .67342 | 1.9903 | 1.2744 | 1.6518 | .15223 | 132.95 | .78960 |
| Stddev | .00618 | .0019  | .0018  | .0070  | .00094 | .33    | .00500 |
| %RSD   | .91729 | .09288 | .14375 | .42409 | .62033 | .24801 | .63367 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .66691 | 1.9915 | 1.2740 | 1.6474 | .15241 | 132.81 | .78935 |
| #2 | .67416 | 1.9882 | 1.2764 | 1.6482 | .15307 | 133.33 | .79472 |
| #3 | .67920 | 1.9913 | 1.2728 | 1.6599 | .15121 | 132.71 | .78472 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17977 | .20333 | 77.640 | .46747 | .32445 | .51382 | 189.06 |
| Stddev | .00021 | .00011 | .050   | .00179 | .00047 | .00135 | .50    |
| %RSD   | .11533 | .05468 | .06456 | .38260 | .14413 | .26211 | .26359 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17953 | .20339 | 77.634 | .46714 | .32398 | .51265 | 188.89 |
| #2 | .17993 | .20320 | 77.692 | .46586 | .32492 | .51529 | 188.66 |
| #3 | .17985 | .20339 | 77.593 | .46940 | .32445 | .51351 | 189.61 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.8307 | 47.071 | .67666 | .04771 | 13.114 | .52183 | .75724 |
| Stddev | .0024  | .091   | .00180 | .00035 | .069   | .00077 | .00066 |
| %RSD   | .06309 | .19305 | .26674 | .73930 | .52358 | .14758 | .08778 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.8319 | 47.121 | .67849 | .04806 | 13.129 | .52095 | .75658 |
| #2 | 3.8323 | 47.126 | .67661 | .04735 | 13.173 | .52238 | .75791 |
| #3 | 3.8279 | 46.966 | .67488 | .04772 | 13.038 | .52215 | .75723 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 21.755 | .31417 | .36581 | 4.5984 | 6.8531 | .69818 | 3.6750 |
| Stddev | .154   | .00153 | .01137 | .0061  | .0817  | .00463 | .0185  |
| %RSD   | .70727 | .48658 | 3.1088 | .13360 | 1.1926 | .66308 | .50231 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 21.751 | .31241 | .37477 | 4.5933 | 6.9473 | .69303 | 3.6555 |
| #2 | 21.911 | .31516 | .36964 | 4.5967 | 6.8013 | .69954 | 3.6922 |
| #3 | 21.603 | .31495 | .35302 | 4.6053 | 6.8107 | .70199 | 3.6774 |

Sample Name: K2200-01A      Acquired: 4/10/2019 12:35:34      Type: Unk  
 Method: P4-ICP2(v3038)      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       | .29378 | F 13.88 | .23681 | <.00000 | F<.00000 |
| Stddev    | .00199 | .03     | .00103 | .14044  | .59681   |
| %RSD      | .67697 | .2246   | .43360 | 15.764  | 2.8627   |
| #1        | .29307 | 13.89   | .23605 | -1.0082 | -20.419  |
| #2        | .29225 | 13.85   | .23798 | -.73528 | -20.594  |
| #3        | .29603 | 13.91   | .23640 | -.92926 | -21.529  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 5241.7 | 62039.  | 7683.3 | 82.022  | 4360.6   |
| Stddev    | 3.5    | 43.     | 28.0   | 2.811   | 4.5      |
| %RSD      | .06754 | .06938  | .36401 | 3.4275  | .10288   |
| #1        | 5244.0 | 61993.  | 7680.7 | 84.483  | 4357.3   |
| #2        | 5243.6 | 62046.  | 7712.5 | 78.958  | 4358.7   |
| #3        | 5237.7 | 62078.  | 7656.7 | 82.625  | 4365.7   |

Sample Name: K2200-03      Acquired: 4/10/2019 12:39:50      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-040919      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02288 | .00321 | .41779 | .02861 | .00646 | 106.90 | .54430 |
| Stddev | .00092 | .00136 | .00230 | .00089 | .00041 | .31    | .00230 |
| %RSD   | 4.0335 | 42.238 | .55070 | 3.1015 | 6.3143 | .28737 | .42256 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02182 | .00181 | .42035 | .02954 | .00638 | 106.91 | .54585 |
| #2 | .02351 | .00329 | .41589 | .02777 | .00691 | 107.20 | .54539 |
| #3 | .02330 | .00452 | .41714 | .02851 | .00610 | 106.59 | .54166 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00712 | .00362 | 56.404 | .13966 | .11513 | .24701 | 177.56 |
| Stddev | .00012 | .00004 | .208   | .00004 | .00023 | .00038 | .47    |
| %RSD   | 1.6549 | 1.1927 | .36817 | .02608 | .19618 | .15376 | .26240 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00714 | .00357 | 56.250 | .13963 | .11537 | .24672 | 177.25 |
| #2 | .00700 | .00363 | 56.322 | .13970 | .11509 | .24744 | 178.10 |
| #3 | .00723 | .00366 | 56.640 | .13965 | .11492 | .24687 | 177.34 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.1807 | 44.098 | .16275 | -.01320 | 8.3797 | .28736 | .57553 |
| Stddev | .0027  | .045   | .00092 | .00014  | .0183  | .00164 | .00145 |
| %RSD   | .06407 | .10165 | .56832 | 1.0845  | .21876 | .57021 | .25223 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.1800 | 44.114 | .16219 | -.01337 | 8.3971 | .28740 | .57648 |
| #2 | 4.1783 | 44.132 | .16382 | -.01313 | 8.3816 | .28570 | .57386 |
| #3 | 4.1836 | 44.047 | .16225 | -.01311 | 8.3605 | .28898 | .57625 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.492 | .00242 | .13574 | 3.2547 | 5.7532 | .01763 | 3.5797 |
| Stddev | .061   | .00014 | .00601 | .0059  | .1834  | .00096 | .0105  |
| %RSD   | .49133 | 5.6508 | 4.4290 | .18163 | 3.1870 | 5.4172 | .29348 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.538 | .00254 | .14268 | 3.2580 | 5.5545 | .01662 | 3.5864 |
| #2 | 12.514 | .00227 | .13213 | 3.2479 | 5.9158 | .01852 | 3.5852 |
| #3 | 12.422 | .00245 | .13242 | 3.2583 | 5.7893 | .01776 | 3.5676 |

Sample Name: K2200-03      Acquired: 4/10/2019 12:39:50      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EO-01-040919      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .10628 | 7.265  | .01331 | <.00000 | F<.00000 |
| Stddev    | .00083 | .015   | .00030 | .10341  | .78620   |
| %RSD      | .77879 | .1999  | 2.2603 | 2.4852  | 3.8173   |
| #1        | .10621 | 7.268  | .01363 | -4.2295 | -21.485  |
| #2        | .10714 | 7.249  | .01328 | -4.0421 | -19.994  |
| #3        | .10549 | 7.277  | .01303 | -4.2117 | -20.308  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 5727.8 | 68208. | 8404.4 | 85.521  | 4596.1   |
| Stddev    | 4.1    | 226.   | 39.7   | .220    | 5.6      |
| %RSD      | .07113 | .33154 | .47210 | .25778  | .12077   |
| #1        | 5728.0 | 68333. | 8449.6 | 85.349  | 4589.9   |
| #2        | 5723.6 | 67947. | 8375.4 | 85.770  | 4600.7   |
| #3        | 5731.8 | 68345. | 8388.2 | 85.445  | 4597.8   |

Sample Name: K2200-05      Acquired: 4/10/2019 12:44:23      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EO-01-040919      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02272 | .00255 | .22708 | .03351 | .00769 | 112.09 | .49145 |
| Stddev | .00155 | .00151 | .00137 | .00259 | .00119 | .51    | .00245 |
| %RSD   | 6.8398 | 59.404 | .60508 | 7.7149 | 15.519 | .45504 | .49771 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02326 | .00132 | .22580 | .03270 | .00904 | 112.68 | .49350 |
| #2 | .02393 | .00209 | .22693 | .03142 | .00727 | 111.77 | .49211 |
| #3 | .02097 | .00424 | .22853 | .03640 | .00677 | 111.82 | .48875 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00770 | .00577 | 100.04 | .15882 | .13004 | .29099 | 209.73 |
| Stddev | .00010 | .00013 | .56    | .00098 | .00054 | .00071 | .49    |
| %RSD   | 1.3424 | 2.2395 | .55514 | .61406 | .41626 | .24293 | .23434 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00758 | .00576 | 100.34 | .15975 | .12956 | .29106 | 209.61 |
| #2 | .00774 | .00565 | 100.38 | .15780 | .12994 | .29166 | 209.31 |
| #3 | .00778 | .00590 | 99.399 | .15891 | .13062 | .29025 | 210.27 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.3483 | 55.971 | .18727 | -.01723 | 8.0976 | .29806 | .64019 |
| Stddev | .0031  | .425   | .00056 | .00050  | .0279  | .00084 | .00047 |
| %RSD   | .09107 | .75949 | .30032 | 2.8783  | .34522 | .28259 | .07396 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.3505 | 55.986 | .18697 | -.01752 | 8.1291 | .29901 | .63964 |
| #2 | 3.3448 | 56.389 | .18692 | -.01751 | 8.0881 | .29740 | .64041 |
| #3 | 3.3495 | 55.539 | .18792 | -.01666 | 8.0756 | .29779 | .64050 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.441 | .00327 | .12617 | 6.0699 | 3.9290 | .01726 | 3.8447 |
| Stddev | .030   | .00014 | .00559 | .0060  | .0462  | .00056 | .0144  |
| %RSD   | .20683 | 4.1826 | 4.4285 | .09973 | 1.1766 | 3.2595 | .37537 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.430 | .00325 | .12554 | 6.0765 | 3.9293 | .01737 | 3.8568 |
| #2 | 14.475 | .00342 | .12093 | 6.0646 | 3.8826 | .01664 | 3.8485 |
| #3 | 14.418 | .00315 | .13205 | 6.0686 | 3.9751 | .01775 | 3.8287 |

Sample Name: K2200-05      Acquired: 4/10/2019 12:44:23      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EO-01-040919      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |        |         |          |
|-----------|--------|---------|--------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg       | .13123 | F 10.02 | .03153 | <.00000 | F<.00000 |
| Stddev    | .00123 | .02     | .00196 | .08246  | .43202   |
| %RSD      | .94002 | .1775   | 6.2220 | 3.2729  | 1.6012   |
| #1        | .12985 | 10.01   | .03299 | -2.5303 | -26.911  |
| #2        | .13159 | 10.01   | .03231 | -2.5960 | -26.589  |
| #3        | .13224 | 10.04   | .02930 | -2.4321 | -27.445  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 5610.3 | 67015.  | 8264.8 | 81.333  | 4386.4   |
| Stddev    | 2.2    | 193.    | 37.5   | 1.649   | 6.7      |
| %RSD      | .03887 | .28757  | .45426 | 2.0280  | .15292   |
| #1        | 5608.0 | 66795.  | 8228.2 | 83.233  | 4384.2   |
| #2        | 5610.6 | 67098.  | 8263.0 | 80.497  | 4393.9   |
| #3        | 5612.3 | 67153.  | 8303.2 | 80.270  | 4381.1   |

Sample Name: CCV02      Acquired: 4/10/2019 12:48:48      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14826      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1242 | 5.0859 | 5.0947 | 5.0445 | 5.1949 | 10.233 | 10.218 | .25576 |
| Stddev | .0118  | .0041  | .0066  | .0074  | .0060  | .002   | .039   | .00063 |
| %RSD   | .22948 | .08105 | .12903 | .14707 | .11561 | .01482 | .38524 | .24782 |
| #1     | 5.1179 | 5.0813 | 5.1011 | 5.0439 | 5.2005 | 10.233 | 10.189 | .25510 |
| #2     | 5.1378 | 5.0873 | 5.0880 | 5.0523 | 5.1957 | 10.231 | 10.263 | .25580 |
| #3     | 5.1169 | 5.0891 | 5.0950 | 5.0375 | 5.1886 | 10.235 | 10.203 | .25637 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4944 | 25.176 | 1.0060 | 2.5698 | 1.2798 | 5.0452 | 2.6072 | 25.438 |
| Stddev | .0021  | .102   | .0019  | .0041  | .0013  | .0039  | .0044  | .192   |
| %RSD   | .08457 | .40607 | .19426 | .16048 | .10220 | .07628 | .16781 | .75623 |
| #1     | 2.4966 | 25.062 | 1.0037 | 2.5738 | 1.2790 | 5.0410 | 2.6023 | 25.217 |
| #2     | 2.4924 | 25.206 | 1.0072 | 2.5656 | 1.2813 | 5.0484 | 2.6108 | 25.558 |
| #3     | 2.4942 | 25.260 | 1.0070 | 2.5700 | 1.2791 | 5.0464 | 2.6084 | 25.541 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5069 | 1.2608 | 25.726 | 2.5007 | 2.4941 | 25.216 | 5.1125 | 5.1181 |
| Stddev | .0032  | .0004  | .126   | .0040  | .0035  | .152   | .0067  | .0129  |
| %RSD   | .12623 | .03316 | .49141 | .16137 | .13986 | .60276 | .13018 | .25162 |
| #1     | 2.5096 | 1.2613 | 25.777 | 2.4964 | 2.4982 | 25.122 | 5.1124 | 5.1109 |
| #2     | 2.5076 | 1.2605 | 25.582 | 2.5044 | 2.4923 | 25.134 | 5.1193 | 5.1329 |
| #3     | 2.5034 | 1.2607 | 25.819 | 2.5012 | 2.4920 | 25.391 | 5.1060 | 5.1104 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8420 | 4.7297 | 4.9117 | 5.1602 | 4.9223 | 4.960  | 5.1357 | 4.8872 |
| Stddev | .0122  | .0054  | .0062  | .0045  | .0378  | .017   | .0221  | .0440  |
| %RSD   | .25261 | .11387 | .12686 | .08737 | .76715 | .3501  | .42956 | .89959 |
| #1     | 4.8518 | 4.7277 | 4.9141 | 5.1576 | 4.9645 | 4.940  | 5.1610 | 4.9380 |
| #2     | 4.8458 | 4.7358 | 4.9046 | 5.1654 | 4.9105 | 4.973  | 5.1206 | 4.8614 |
| #3     | 4.8283 | 4.7256 | 4.9164 | 5.1576 | 4.8918 | 4.968  | 5.1255 | 4.8623 |

Sample Name: CCV02      Acquired: 4/10/2019 12:48:48      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14826      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.3734  
Stddev      .7114  
%RSD      29.975

#1      2.3123  
#2      3.1134  
#3      1.6945

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4561.1 | 53783. | 6481.0 | 87.136 | 4740.7 |
| Stddev    | 7.2    | 28.    | 17.2   | .889   | 8.8    |
| %RSD      | .15835 | .05158 | .26552 | 1.0197 | .18630 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4556.6 | 53773. | 6464.2 | 87.207 | 4730.7 |
| #2 | 4557.3 | 53814. | 6480.3 | 86.215 | 4743.7 |
| #3 | 4569.4 | 53761. | 6498.6 | 87.988 | 4747.5 |

Sample Name: CCB02      Acquired: 4/10/2019 12:52:55      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14826      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |         |         |        |
|--------|--------|--------|--------|---------|---------|---------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00110 | .00095 | .00023 | -.00020 | -.00012 | -.02102 | .00030 |
| Stddev | .00154 | .00147 | .00011 | .00228  | .00179  | .00590  | .00031 |
| %RSD   | 140.52 | 154.35 | 46.601 | 1156.0  | 1527.6  | 28.096  | 104.07 |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00140  | .00209  | .00034 | -.00088 | .00193  | -.02772 | .00057  |
| #2 | -.00057 | -.00070 | .00013 | .00235  | -.00137 | -.01876 | -.00004 |
| #3 | .00247  | .00147  | .00023 | -.00206 | -.00091 | -.01657 | .00036  |

|        |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00009 | -.00001 | -.00847 | -.00039 | -.00013 | -.00059 | .00034 |
| Stddev | .00004  | .00002  | .00942  | .00022  | .00006  | .00012  | .00032 |
| %RSD   | 43.072  | 120.77  | 111.22  | 55.412  | 45.984  | 20.149  | 93.957 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00005 | .00001  | -.01618 | -.00062 | -.00016 | -.00045 | -.00000 |
| #2 | -.00012 | -.00003 | -.01126 | -.00036 | -.00006 | -.00066 | .00063  |
| #3 | -.00009 | -.00002 | .00203  | -.00019 | -.00017 | -.00066 | .00040  |

|        |         |        |        |        |         |         |         |
|--------|---------|--------|--------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00002 | .01489 | .00049 | .00034 | -.00321 | -.00001 | -.00000 |
| Stddev | .00004  | .05459 | .00033 | .00040 | .00765  | .00012  | .00009  |
| %RSD   | 159.52  | 366.70 | 67.457 | 118.07 | 238.44  | 1941.2  | 2037.2  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | .00002  | .00779  | .00076 | .00020 | .00381  | .00009  | .00001  |
| #2 | -.00005 | .07268  | .00012 | .00003 | -.00208 | -.00014 | -.00010 |
| #3 | -.00003 | -.03581 | .00059 | .00079 | -.01136 | .00004  | .00008  |

|        |        |         |        |         |        |        |         |
|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .05050 | -.00010 | .01322 | -.00299 | .00456 | .00066 | -.00004 |
| Stddev | .03598 | .00016  | .00880 | .00146  | .00062 | .00021 | .00144  |
| %RSD   | 71.240 | 162.41  | 66.576 | 49.000  | 13.517 | 32.449 | 4099.9  |

|    |        |         |        |         |        |        |         |
|----|--------|---------|--------|---------|--------|--------|---------|
| #1 | .09014 | -.00011 | .01703 | -.00131 | .00498 | .00064 | -.00169 |
| #2 | .04145 | -.00025 | .00316 | -.00401 | .00386 | .00045 | .00069  |
| #3 | .01992 | .00007  | .01948 | -.00364 | .00485 | .00088 | .00090  |

Sample Name: CCB02      Acquired: 4/10/2019 12:52:55      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14826      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |         |          |          |
|--------|---------|--------|---------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm     | ppm      | ppm      |
| Avg    | -.00003 | -.0024 | -.00003 | F 3.3243 | F<.00000 |
| Stddev | .00066  | .0002  | .00004  | .1729    | .26807   |
| %RSD   | 2017.7  | 8.797  | 164.10  | 5.1996   | 127.95   |

|    |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|
| #1 | -.00068 | -.0026 | .00002  | 3.4951 | .07535  |
| #2 | .00064  | -.0022 | -.00004 | 3.1494 | -.24707 |
| #3 | -.00006 | -.0023 | -.00006 | 3.3284 | -.45684 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4754.1 | 55292. | 6438.7 | 89.156 | 5290.0 |
| Stddev    | 6.2    | 128.   | 22.2   | 1.444  | 7.4    |
| %RSD      | .13120 | .23115 | .34474 | 1.6201 | .13895 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4746.9 | 55185. | 6427.2 | 89.808 | 5283.0 |
| #2 | 4757.3 | 55434. | 6424.5 | 90.158 | 5289.5 |
| #3 | 4758.1 | 55258. | 6464.2 | 87.500 | 5297.6 |

Sample Name: K2187-05      Acquired: 4/10/2019 12:57:24      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |         |         |        |        |
|--------|--------|--------|--------|---------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01987 | .00189 | .00070 | -.00171 | -.00131 | -.02215 | .05095 | .00012 |
| Stddev | .00118 | .00049 | .00091 | .00219  | .00079  | .00441  | .00035 | .00004 |
| %RSD   | 5.9407 | 25.798 | 130.07 | 127.61  | 60.285  | 19.929  | .68100 | 31.675 |

|    |        |        |         |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|---------|--------|--------|
| #1 | .02084 | .00177 | -.00033 | -.00255 | -.00051 | -.02712 | .05090 | .00013 |
| #2 | .02021 | .00147 | .00104  | -.00336 | -.00209 | -.01871 | .05131 | .00007 |
| #3 | .01855 | .00243 | .00139  | .00077  | -.00134 | -.02061 | .05062 | .00014 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00013 | 28.127 | -.00093 | .00041 | .00342 | .04095 | .14708 | 11.929 |
| Stddev | .00003 | .022   | .00018  | .00009 | .00014 | .00092 | .00028 | .099   |
| %RSD   | 20.590 | .07901 | 19.717  | 22.168 | 4.1136 | 2.2382 | .18904 | .83233 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00010 | 28.113 | -.00072 | .00031 | .00358 | .03995 | .14681 | 12.043 |
| #2 | .00015 | 28.115 | -.00104 | .00043 | .00333 | .04175 | .14707 | 11.884 |
| #3 | .00013 | 28.152 | -.00104 | .00049 | .00334 | .04114 | .14737 | 11.860 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00213 | .00034 | 11.919 | .00036 | .01643 | 2.7349 | .00346 | .10637 |
| Stddev | .00020 | .00044 | .039   | .00032 | .00007 | .0252  | .00008 | .01722 |
| %RSD   | 9.6106 | 129.83 | .32525 | 89.798 | .41783 | .92305 | 2.3041 | 16.184 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00216 | .00042  | 11.874 | .00044 | .01636 | 2.7481 | .00346 | .12610 |
| #2 | .00232 | .00074  | 11.940 | .00000 | .01645 | 2.7508 | .00353 | .09860 |
| #3 | .00191 | -.00014 | 11.942 | .00063 | .01649 | 2.7058 | .00337 | .09440 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.1325 | 4.1193 | -.00017 | -.00062 | .00358 | .0855  | .11734 | 3.0294 |
| Stddev | .0064  | .0294  | .00048  | .00063  | .00077 | .0010  | .00009 | .1117  |
| %RSD   | .20560 | .71358 | 285.66  | 101.20  | 21.374 | 1.121  | .07356 | 3.6868 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 3.1289 | 4.0868 | .00027  | -.00037 | .00388 | .0866 | .11740 | 2.9108 |
| #2 | 3.1286 | 4.1272 | -.00010 | -.00015 | .00415 | .0851 | .11724 | 3.1325 |
| #3 | 3.1399 | 4.1439 | -.00068 | -.00133 | .00271 | .0847 | .11738 | 3.0451 |

Sample Name: K2187-05      Acquired: 4/10/2019 12:57:24      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.3014  
 Stddev      .6833  
 %RSD      52.508

#1      .64116  
 #2      2.0057  
 #3      1.2574

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4803.2 | 56635. | 6749.9 | 92.817 | 5283.2 |
| Stddev    | 19.9   | 143.   | 8.8    | .790   | 15.0   |
| %RSD      | .41493 | .25229 | .12983 | .85152 | .28477 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4826.0 | 56733. | 6755.3 | 91.906 | 5300.3 |
| #2 | 4788.8 | 56702. | 6754.7 | 93.318 | 5272.0 |
| #3 | 4794.9 | 56471. | 6739.8 | 93.227 | 5277.5 |

Sample Name: K2187-06      Acquired: 4/10/2019 13:01:48      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |        |         |        |        |
|--------|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00732 | .00217 | -.00003 | .00154 | .00024 | -.01410 | .03977 | .00010 |
| Stddev | .00121 | .00054 | .00051  | .00069 | .00035 | .00154  | .00013 | .00002 |
| %RSD   | 16.514 | 25.030 | 1637.1  | 44.891 | 143.13 | 10.954  | .31630 | 19.807 |

|    |        |        |         |        |         |         |        |        |
|----|--------|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00686 | .00175 | .00049  | .00080 | .00062  | -.01588 | .03991 | .00008 |
| #2 | .00640 | .00278 | -.00005 | .00217 | .00018  | -.01323 | .03974 | .00010 |
| #3 | .00869 | .00196 | -.00053 | .00166 | -.00007 | -.01318 | .03966 | .00012 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00011 | 25.272 | -.00030 | .00036 | .00091 | .04122 | .01604 | 11.574 |
| Stddev | .00005 | .098   | .00041  | .00023 | .00024 | .00137 | .00011 | .102   |
| %RSD   | 40.927 | .38951 | 137.68  | 63.689 | 26.040 | 3.3221 | .69413 | .88349 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00015 | 25.279 | -.00070 | .00021 | .00116 | .03999 | .01612 | 11.623 |
| #2 | .00006 | 25.169 | .00011  | .00024 | .00069 | .04098 | .01591 | 11.642 |
| #3 | .00013 | 25.366 | -.00030 | .00062 | .00090 | .04269 | .01608 | 11.456 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00168 | .00005 | 7.2806 | .00069 | .01053 | 1.6050 | .00148 | .03896 |
| Stddev | .00005 | .00036 | .0166  | .00035 | .00006 | .0007  | .00020 | .00354 |
| %RSD   | 2.8860 | 727.98 | .22770 | 51.212 | .54608 | .04081 | 13.247 | 9.0948 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00173 | -.00023 | 7.2946 | .00039 | .01051 | 1.6042 | .00156 | .03505 |
| #2 | .00165 | .00046  | 7.2623 | .00060 | .01049 | 1.6054 | .00125 | .03987 |
| #3 | .00165 | -.00008 | 7.2848 | .00108 | .01060 | 1.6054 | .00162 | .04196 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.1439 | 4.1426 | -.00064 | -.00103 | .00188 | .0193  | .09387 | 2.6745 |
| Stddev | .0088  | .0234  | .00044  | .00238  | .00150 | .0022  | .00026 | .1585  |
| %RSD   | .27864 | .56601 | 68.278  | 230.84  | 79.805 | 11.44  | .27909 | 5.9269 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 3.1538 | 4.1615 | -.00053 | .00098  | .00181 | .0195 | .09373 | 2.5604 |
| #2 | 3.1405 | 4.1164 | -.00028 | -.00042 | .00042 | .0214 | .09370 | 2.8555 |
| #3 | 3.1373 | 4.1500 | -.00113 | -.00366 | .00342 | .0170 | .09417 | 2.6077 |

Sample Name: K2187-06      Acquired: 4/10/2019 13:01:48      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.1551  
 Stddev      .1680  
 %RSD      14.544

#1      1.0012  
 #2      1.1299  
 #3      1.3343

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4874.1 | 57272. | 6929.7 | 95.313 | 5388.1 |
| Stddev    | 5.6    | 124.   | 32.8   | 1.687  | 4.7    |
| %RSD      | .11432 | .21638 | .47261 | 1.7704 | .08765 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4879.2 | 57389. | 6949.4 | 97.261 | 5390.9 |
| #2 | 4868.2 | 57285. | 6947.8 | 94.304 | 5390.8 |
| #3 | 4874.9 | 57142. | 6891.9 | 94.374 | 5382.7 |

Sample Name: PB118761BL      Acquired: 4/10/2019 13:06:14      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118761BL      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |         |         |         |
|--------|--------|---------|--------|--------|--------|---------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00053 | -.00029 | .00044 | .00150 | .00013 | -.00746 | -.00017 | -.00006 |
| Stddev | .00176 | .00145  | .00084 | .00186 | .00167 | .00296  | .00037  | .00004  |
| %RSD   | 331.20 | 504.64  | 192.57 | 124.40 | 1291.2 | 39.755  | 214.28  | 74.002  |

|    |         |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00044 | -.00129 | -.00047 | -.00017 | .00135  | -.00740 | -.00009 | -.00001 |
| #2 | .00256  | -.00096 | .00119  | .00351  | -.00178 | -.00452 | -.00059 | -.00009 |
| #3 | -.00053 | .00138  | .00059  | .00115  | .00082  | -.01045 | .00015  | -.00008 |

|        |         |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00004 | -.01276 | -.00002 | -.00027 | -.00065 | -.00090 | -.00008 | .00588 |
| Stddev | .00007  | .00271  | .00029  | .00018  | .00025  | .00077  | .00004  | .01416 |
| %RSD   | 162.65  | 21.213  | 1334.0  | 67.354  | 39.087  | 85.662  | 48.001  | 241.00 |

|    |         |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00004  | -.01136 | -.00034 | -.00016 | -.00051 | -.00050 | -.00011 | -.00990 |
| #2 | -.00008 | -.01104 | .00023  | -.00017 | -.00050 | -.00179 | -.00007 | .01004  |
| #3 | -.00009 | -.01588 | .00004  | -.00048 | -.00094 | -.00041 | -.00004 | .01749  |

|        |        |        |        |         |         |        |         |         |
|--------|--------|--------|--------|---------|---------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00033 | .00035 | .02798 | -.00019 | -.00017 | .03525 | -.00025 | -.00524 |
| Stddev | .00057 | .00037 | .00808 | .00029  | .00009  | .00401 | .00007  | .01521  |
| %RSD   | 169.51 | 106.49 | 28.877 | 152.79  | 51.888  | 11.371 | 28.515  | 290.28  |

|    |         |        |        |         |         |        |         |         |
|----|---------|--------|--------|---------|---------|--------|---------|---------|
| #1 | .00087  | .00075 | .02796 | -.00047 | -.00007 | .03444 | -.00019 | .01198  |
| #2 | .00039  | .00031 | .03607 | .00011  | -.00020 | .03960 | -.00033 | -.01088 |
| #3 | -.00026 | .00000 | .01991 | -.00021 | -.00025 | .03171 | -.00024 | -.01682 |

|        |         |         |        |        |         |        |         |          |
|--------|---------|---------|--------|--------|---------|--------|---------|----------|
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | -.00392 | -.00086 | .00045 | .00138 | -.00095 | -.0026 | -.00006 | F 4.1318 |
| Stddev | .00248  | .00085  | .00047 | .00078 | .00089  | .0011  | .00003  | .1454    |
| %RSD   | 63.225  | 99.888  | 104.38 | 56.374 | 93.662  | 42.41  | 47.365  | 3.5187   |

|    |         |         |         |        |         |        |         |        |
|----|---------|---------|---------|--------|---------|--------|---------|--------|
| #1 | -.00643 | -.00048 | .00055  | .00059 | -.00066 | -.0014 | -.00003 | 4.0984 |
| #2 | -.00387 | -.00025 | -.00006 | .00215 | -.00195 | -.0036 | -.00007 | 4.2909 |
| #3 | -.00147 | -.00183 | .00087  | .00140 | -.00024 | -.0027 | -.00008 | 4.0059 |

Sample Name: PB118761BL      Acquired: 4/10/2019 13:06:14      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118761BL      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .56366 |
| Stddev | .08740   |
| %RSD   | 15.505   |

|    |        |
|----|--------|
| #1 | .46493 |
| #2 | .63113 |
| #3 | .59492 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4711.1 | 54641. | 6329.2 | 86.806 | 5223.9 |
| Stddev    | 11.2   | 199.   | 12.5   | .944   | 5.6    |
| %RSD      | .23837 | .36465 | .19720 | 1.0874 | .10639 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4722.1 | 54550. | 6324.3 | 87.892 | 5219.2 |
| #2 | 4711.7 | 54870. | 6319.9 | 86.183 | 5230.0 |
| #3 | 4699.6 | 54504. | 6343.4 | 86.342 | 5222.4 |

Sample Name: PB118761BS      Acquired: 4/10/2019 13:10:42      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118761BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .76961 | 1.9895 | .98535 | 1.9538 | .82634 | 1.9765 | .20599 |
| Stddev | .00308 | .0024  | .00436 | .0076  | .00275 | .0065  | .00098 |
| %RSD   | .40076 | .12216 | .44267 | .38679 | .33330 | .32718 | .47523 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76686 | 1.9869 | .98201 | 1.9565 | .82363 | 1.9700 | .20549 |
| #2 | .77294 | 1.9917 | .98375 | 1.9452 | .82626 | 1.9829 | .20536 |
| #3 | .76903 | 1.9899 | .99029 | 1.9596 | .82913 | 1.9764 | .20711 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19627 | .19064 | 1.0535 | .41727 | .20317 | .32287 | 3.1279 |
| Stddev | .00071 | .00135 | .0097  | .00093 | .00068 | .00188 | .0023  |
| %RSD   | .35959 | .70997 | .92103 | .22232 | .33466 | .58228 | .07366 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19548 | .18970 | 1.0552 | .41677 | .20298 | .32083 | 3.1257 |
| #2 | .19652 | .19004 | 1.0430 | .41671 | .20260 | .32323 | 3.1303 |
| #3 | .19682 | .19219 | 1.0622 | .41834 | .20392 | .32454 | 3.1278 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21338 | 2.0255 | .49796 | .07246 | 3.1763 | .30717 | .19861 |
| Stddev | .00036 | .0323  | .00084 | .00055 | .0133  | .00095 | .00027 |
| %RSD   | .16860 | 1.5969 | .16845 | .75434 | .41749 | .30816 | .13717 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21299 | 2.0583 | .49699 | .07290 | 3.1645 | .30625 | .19834 |
| #2 | .21370 | 1.9936 | .49838 | .07185 | 3.1738 | .30711 | .19860 |
| #3 | .21344 | 2.0245 | .49850 | .07264 | 3.1907 | .30814 | .19888 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.108 | .42868 | .29968 | F 1.0578 | .88435 | .70952 | .21706 |
| Stddev | .088   | .00061 | .00453 | .1079    | .00608 | .00154 | .00167 |
| %RSD   | .87122 | .14136 | 1.5107 | 10.204   | .68776 | .21723 | .77085 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.022 | .42910 | .29661 | .94694 | .88951 | .70776 | .21513 |
| #2 | 10.102 | .42897 | .30488 | 1.0639 | .88591 | .71059 | .21798 |
| #3 | 10.198 | .42799 | .29756 | 1.1626 | .87764 | .71022 | .21807 |

Sample Name: PB118761BS      Acquired: 4/10/2019 13:10:42      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB118761BS      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .21422 | 5.295  | .20240 | F 3.8414 | F<.00000 |
| Stddev | .00026 | .006   | .00040 | .1591    | .10591   |
| %RSD   | .12018 | .1054  | .19860 | 4.1416   | 8.1873   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21395 | 5.290 | .20284 | 3.6693 | -1.3694 |
| #2 | .21426 | 5.301 | .20229 | 3.9831 | -1.3387 |
| #3 | .21446 | 5.296 | .20206 | 3.8717 | -1.1725 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4574.7 | 53010. | 6191.7 | 85.222 | 5023.9 |
| Stddev    | 5.1    | 93.    | 31.9   | .991   | 8.9    |
| %RSD      | .11164 | .17487 | .51520 | 1.1631 | .17735 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4579.5 | 52936. | 6163.9 | 86.367 | 5020.7 |
| #2 | 4569.3 | 53114. | 6184.7 | 84.667 | 5017.0 |
| #3 | 4575.4 | 52979. | 6226.5 | 84.633 | 5033.9 |

Sample Name: PB118722BL      Acquired: 4/10/2019 13:14:47      Type: Unk  
Method: P4-ICP2(v3038)      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    | .00012  | .00043  | -.00006 | .00195  | -.00092 | -.01085 | -.00030 | -.00001  |
| Stddev | .00058  | .00094  | .00019  | .00174  | .00134  | .00605  | .00048  | .00006   |
| %RSD   | 492.30  | 218.99  | 335.89  | 89.440  | 145.08  | 55.715  | 159.22  | 604.85   |
| #1     | .00065  | -.00021 | .00011  | .00238  | .00059  | -.01536 | -.00006 | -.00007  |
| #2     | -.00050 | .00151  | -.00002 | .00344  | -.00196 | -.00398 | .00001  | .00004   |
| #3     | .00021  | -.00001 | -.00026 | .00003  | -.00139 | -.01321 | -.00086 | .00000   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004  | -.01610 | -.00032 | .00008  | -.00107 | -.00090 | -.00008 | -.01127  |
| Stddev | .00006  | .00835  | .00035  | .00007  | .00024  | .00080  | .00002  | .03248   |
| %RSD   | 143.04  | 51.856  | 109.81  | 84.185  | 22.634  | 88.225  | 28.248  | 288.15   |
| #1     | .00004  | -.02418 | .00006  | .00015  | -.00112 | -.00065 | -.00010 | -.02968  |
| #2     | -.00002 | -.01662 | -.00040 | .00009  | -.00081 | -.00026 | -.00007 | -.03037  |
| #3     | .00011  | -.00750 | -.00062 | .00001  | -.00129 | -.00179 | -.00006 | .02623   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00002  | .00004  | -.02400 | -.00019 | -.00024 | .02428  | -.00037 | -.00277  |
| Stddev | .00016  | .00030  | .00424  | .00032  | .00006  | .02021  | .00019  | .00915   |
| %RSD   | 929.34  | 725.80  | 17.687  | 164.30  | 23.226  | 83.213  | 51.715  | 330.38   |
| #1     | -.00000 | -.00024 | -.01928 | .00003  | -.00019 | .03721  | -.00059 | .00778   |
| #2     | .00018  | .00001  | -.02521 | -.00005 | -.00030 | .03464  | -.00025 | -.00754  |
| #3     | -.00013 | .00036  | -.02751 | -.00056 | -.00022 | .00100  | -.00027 | -.00855  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00552 | -.00303 | .00014  | .00206  | -.00012 | -.0024  | -.00006 | F 3.3267 |
| Stddev | .00135  | .00025  | .00031  | .00154  | .00155  | .0011   | .00006  | .0703    |
| %RSD   | 24.444  | 8.4156  | 224.19  | 74.588  | 1267.0  | 45.35   | 100.63  | 2.1132   |
| #1     | -.00559 | -.00307 | .00039  | .00360  | -.00027 | -.0030  | -.00002 | 3.2906   |
| #2     | -.00683 | -.00275 | -.00020 | .00205  | -.00159 | -.0011  | -.00003 | 3.4077   |
| #3     | -.00413 | -.00326 | .00022  | .00053  | .00150  | -.0030  | -.00012 | 3.2817   |

Sample Name: PB118722BL      Acquired: 4/10/2019 13:14:47      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .24443 |
| Stddev | .37958   |
| %RSD   | 155.29   |

|    |         |
|----|---------|
| #1 | -.09308 |
| #2 | .17102  |
| #3 | .65536  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4757.5 | 54955. | 6380.2 | 88.344 | 5270.1 |
| Stddev    | 13.2   | 121.   | 12.7   | .891   | 13.6   |
| %RSD      | .27767 | .22025 | .19863 | 1.0081 | .25738 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4742.4 | 54971. | 6378.3 | 89.275 | 5254.9 |
| #2 | 4763.2 | 55067. | 6393.7 | 88.258 | 5281.1 |
| #3 | 4767.0 | 54826. | 6368.6 | 87.500 | 5274.3 |

Sample Name: PB118722BS      Acquired: 4/10/2019 13:19:13      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77496 | 2.0023 | .99240 | 1.9656 | .82977 | 1.9806 | .20624 |
| Stddev | .00502 | .0034  | .00299 | .0073  | .00423 | .0037  | .00128 |
| %RSD   | .64756 | .16841 | .30119 | .36929 | .50975 | .18448 | .61997 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76943 | 2.0014 | .98906 | 1.9574 | .83383 | 1.9847 | .20739 |
| #2 | .77622 | 1.9995 | .99481 | 1.9685 | .83011 | 1.9792 | .20648 |
| #3 | .77922 | 2.0061 | .99334 | 1.9710 | .82539 | 1.9778 | .20486 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19803 | .19151 | 1.0522 | .41861 | .20471 | .32409 | 3.1547 |
| Stddev | .00046 | .00023 | .0292  | .00127 | .00039 | .00054 | .0077  |
| %RSD   | .23112 | .12239 | 2.7775 | .30396 | .18923 | .16594 | .24451 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19832 | .19128 | 1.0833 | .42002 | .20429 | .32379 | 3.1599 |
| #2 | .19751 | .19150 | 1.0253 | .41825 | .20505 | .32471 | 3.1459 |
| #3 | .19827 | .19175 | 1.0479 | .41756 | .20479 | .32377 | 3.1583 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21490 | 2.0695 | .50152 | .07311 | 3.1427 | .30897 | .19786 |
| Stddev | .00025 | .0316  | .00131 | .00012 | .0233  | .00076 | .00083 |
| %RSD   | .11780 | 1.5272 | .26059 | .16623 | .74254 | .24610 | .41785 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21518 | 2.0491 | .50178 | .07301 | 3.1627 | .30944 | .19748 |
| #2 | .21471 | 2.1059 | .50269 | .07308 | 3.1484 | .30809 | .19880 |
| #3 | .21479 | 2.0534 | .50011 | .07325 | 3.1171 | .30938 | .19729 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.075 | .42857 | .31261 | F 1.4972 | .88989 | .70989 | .21628 |
| Stddev | .090   | .00175 | .01251 | .0349    | .01364 | .00203 | .00073 |
| %RSD   | .89596 | .40791 | 4.0010 | 2.3295   | 1.5322 | .28629 | .33535 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.170 | .42819 | .30733 | 1.4590 | .87805 | .70797 | .21711 |
| #2 | 10.065 | .43047 | .32690 | 1.5050 | .88683 | .71202 | .21600 |
| #3 | 9.9903 | .42704 | .30361 | 1.5275 | .90480 | .70969 | .21574 |

Sample Name: PB118722BS      Acquired: 4/10/2019 13:19:13      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |          |          |
|--------|--------|---------|--------|----------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      |
| Avg    | .21159 | F 5.329 | .20267 | F 3.9255 | F<.00000 |
| Stddev | .00233 | .008    | .00040 | .0488    | .46358   |
| %RSD   | 1.1015 | .1427   | .19827 | 1.2434   | 40.974   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20957 | 5.324 | .20222 | 3.8793 | -1.6667 |
| #2 | .21106 | 5.338 | .20284 | 3.9765 | -.86623 |
| #3 | .21414 | 5.326 | .20297 | 3.9208 | -.86125 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4578.4 | 53080. | 6196.9 | 83.556 | 5020.1 |
| Stddev    | 11.5   | 169.   | 45.0   | 2.628  | 10.4   |
| %RSD      | .25143 | .31765 | .72587 | 3.1449 | .20712 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4567.4 | 52897. | 6238.4 | 85.200 | 5008.7 |
| #2 | 4577.2 | 53113. | 6203.3 | 84.942 | 5022.6 |
| #3 | 4590.4 | 53230. | 6149.1 | 80.525 | 5029.0 |

Sample Name: K2331-01      Acquired: 4/10/2019 13:23:18      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T1-604-EB      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |        |         |        |        |
|--------|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00405 | .00277 | -.00130 | .00003 | .00025 | -.00688 | .00102 | .00010 |
| Stddev | .00044 | .00054 | .00080  | .00064 | .00096 | .00479  | .00044 | .00004 |
| %RSD   | 10.965 | 19.684 | 61.157  | 2212.7 | 378.98 | 69.707  | 42.675 | 40.077 |

|    |        |        |         |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00398 | .00236 | -.00040 | .00077  | -.00086 | -.00985 | .00055 | .00014 |
| #2 | .00365 | .00256 | -.00193 | -.00040 | .00079  | -.00943 | .00113 | .00006 |
| #3 | .00453 | .00338 | -.00158 | -.00028 | .00083  | -.00135 | .00140 | .00009 |

|        |        |        |         |        |         |         |        |        |
|--------|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00009 | .01824 | -.00006 | .00012 | -.00203 | -.00106 | .00027 | .06686 |
| Stddev | .00007 | .01966 | .00006  | .00007 | .00035  | .00010  | .00008 | .01792 |
| %RSD   | 75.205 | 107.82 | 97.394  | 56.775 | 17.214  | 9.4740  | 30.383 | 26.809 |

|    |        |         |         |        |         |         |        |        |
|----|--------|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00008 | .01571  | -.00000 | .00017 | -.00243 | -.00103 | .00035 | .05047 |
| #2 | .00002 | .03905  | -.00006 | .00004 | -.00184 | -.00098 | .00026 | .06411 |
| #3 | .00015 | -.00004 | -.00012 | .00013 | -.00182 | -.00117 | .00019 | .08600 |

|        |        |        |        |        |        |         |         |        |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00098 | .00036 | .41919 | .00011 | .00368 | -.02004 | -.00061 | .00055 |
| Stddev | .00031 | .00027 | .01264 | .00057 | .00012 | .02945  | .00011  | .01440 |
| %RSD   | 31.451 | 73.300 | 3.0163 | 543.19 | 3.2701 | 146.94  | 17.890  | 2635.9 |

|    |        |        |        |         |        |         |         |         |
|----|--------|--------|--------|---------|--------|---------|---------|---------|
| #1 | .00133 | .00060 | .41987 | -.00027 | .00366 | -.04140 | -.00070 | -.01169 |
| #2 | .00078 | .00042 | .43148 | -.00018 | .00357 | -.03229 | -.00049 | -.00308 |
| #3 | .00081 | .00007 | .40622 | .00076  | .00381 | .01356  | -.00065 | .01641  |

|        |         |        |        |        |         |        |         |        |
|--------|---------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00176 | .02524 | .00059 | .00028 | -.00161 | -.0026 | -.00012 | 2.3496 |
| Stddev | .00177  | .00118 | .00028 | .00122 | .00116  | .0008  | .00006  | .1930  |
| %RSD   | 100.55  | 4.6803 | 47.478 | 438.37 | 72.102  | 28.43  | 50.467  | 8.2155 |

|    |         |        |        |         |         |        |         |        |
|----|---------|--------|--------|---------|---------|--------|---------|--------|
| #1 | -.00112 | .02644 | .00032 | .00137  | -.00210 | -.0035 | -.00013 | 2.1391 |
| #2 | -.00376 | .02408 | .00087 | -.00104 | -.00029 | -.0020 | -.00017 | 2.3916 |
| #3 | -.00039 | .02519 | .00057 | .00050  | -.00246 | -.0024 | -.00005 | 2.5182 |

Sample Name: K2331-01      Acquired: 4/10/2019 13:23:18      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: T1-604-EB      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .54741  
 Stddev      .26948  
 %RSD      49.228

#1      .73342  
 #2      .23837  
 #3      .67043

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4972.6 | 57434. | 6713.5 | 92.506 | 5536.7 |
| Stddev    | 6.6    | 75.    | 35.7   | .526   | 13.8   |
| %RSD      | .13342 | .13005 | .53222 | .56906 | .24960 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4974.4 | 57355. | 6677.4 | 92.550 | 5538.0 |
| #2 | 4978.2 | 57504. | 6748.9 | 93.008 | 5549.8 |
| #3 | 4965.3 | 57442. | 6714.2 | 91.958 | 5522.2 |

Sample Name: K2331-03      Acquired: 4/10/2019 13:27:44      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T1-604      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |         |        |        |        |        |        |
|--------|----------|----------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890   | Tl1908   | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00477   | .00259   | .01422  | .00533 | .00137 | .21251 | .21712 | .00014 |
| Stddev | .00136   | .00070   | .00042  | .00102 | .00112 | .01203 | .00082 | .00003 |
| %RSD   | 28.451   | 27.183   | 2.9715  | 19.181 | 81.890 | 5.6591 | .37982 | 25.308 |
| #1     | .00578   | .00178   | .01377  | .00625 | .00080 | .20093 | .21795 | .00010 |
| #2     | .00323   | .00305   | .01462  | .00550 | .00267 | .21165 | .21630 | .00017 |
| #3     | .00530   | .00294   | .01426  | .00423 | .00064 | .22494 | .21711 | .00013 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00023   | 183.27   | .00673  | .00008 | .02440 | 3.5808 | .37405 | 70.125 |
| Stddev | .00005   | .44      | .00052  | .00008 | .00011 | .0090  | .00123 | .112   |
| %RSD   | 21.400   | .24237   | 7.6528  | 101.69 | .46742 | .25105 | .33009 | .15989 |
| #1     | .00029   | 183.54   | .00620  | .00016 | .02450 | 3.5824 | .37434 | 70.065 |
| #2     | .00021   | 183.51   | .00677  | .00002 | .02428 | 3.5711 | .37270 | 70.255 |
| #3     | .00020   | 182.76   | .00723  | .00005 | .02444 | 3.5889 | .37512 | 70.056 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00025  | .00017   | 498.83  | .00390 | .18281 | 9.5009 | .02705 | .11739 |
| Stddev | .00037   | .00045   | 3.68    | .00013 | .00026 | .0116  | .00026 | .01628 |
| %RSD   | 150.15   | 256.63   | .73799  | 3.3209 | .14023 | .12157 | .94295 | 13.871 |
| #1     | -.00054  | .00024   | 496.03  | .00378 | .18259 | 9.5112 | .02731 | .11132 |
| #2     | .00017   | -.00030  | 503.00  | .00404 | .18275 | 9.5030 | .02702 | .10501 |
| #3     | -.00038  | .00058   | 497.47  | .00388 | .18309 | 9.4884 | .02681 | .13583 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 24.743 | F 19.610 | -.00611 | .00989 | .01960 | .2241  | .71963 | 5.7177 |
| Stddev | .087     | .082     | .00047  | .00042 | .00100 | .0012  | .00219 | .2069  |
| %RSD   | .35068   | .41681   | 7.6193  | 4.2338 | 5.0987 | .5267  | .30485 | 3.6191 |
| #1     | 24.735   | 19.591   | -.00585 | .00950 | .02005 | .2251  | .72087 | 5.6922 |
| #2     | 24.660   | 19.699   | -.00583 | .01033 | .01845 | .2228  | .72092 | 5.5247 |
| #3     | 24.833   | 19.539   | -.00664 | .00984 | .02029 | .2244  | .71709 | 5.9362 |

Sample Name: K2331-03      Acquired: 4/10/2019 13:27:44      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: T1-604      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.5115 |
| Stddev | .6398  |
| %RSD   | 11.609 |

|    |        |
|----|--------|
| #1 | 5.9231 |
| #2 | 4.7744 |
| #3 | 5.8371 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4289.9 | 51226. | 6388.7 | 84.394 | 4301.6 |
| Stddev    | 3.8    | 67.    | 13.9   | 1.130  | 3.2    |
| %RSD      | .08875 | .13027 | .21807 | 1.3389 | .07486 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4294.1 | 51223. | 6391.4 | 84.646 | 4303.0 |
| #2 | 4286.6 | 51295. | 6373.7 | 85.376 | 4303.8 |
| #3 | 4289.0 | 51161. | 6401.1 | 83.159 | 4297.9 |

Sample Name: K2331-04      Acquired: 4/10/2019 13:32:13      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T1-604-X      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00633 | .00415 | .01738 | .00546 | .00183 | .48409 | .22460 | .00017 |
| Stddev | .00088 | .00112 | .00180 | .00299 | .00129 | .00851 | .00056 | .00005 |
| %RSD   | 13.976 | 27.033 | 10.346 | 54.766 | 70.568 | 1.7580 | .24815 | 30.154 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00555 | .00486 | .01929 | .00780 | .00121 | .48008 | .22434 | .00023 |
| #2 | .00614 | .00472 | .01710 | .00209 | .00332 | .47833 | .22524 | .00014 |
| #3 | .00729 | .00285 | .01573 | .00648 | .00097 | .49386 | .22422 | .00014 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00017 | 179.83 | .01050 | .00007 | .02863 | 6.1624 | .44953 | 69.374 |
| Stddev | .00007 | .38    | .00039 | .00026 | .00002 | .0081  | .00076 | .148   |
| %RSD   | 42.194 | .21337 | 3.6812 | 361.73 | .05553 | .13074 | .17004 | .21274 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00020 | 179.50 | .01060 | -.00020 | .02861 | 6.1708 | .44871 | 69.252 |
| #2 | .00009 | 180.25 | .01008 | .00011  | .02864 | 6.1617 | .44968 | 69.332 |
| #3 | .00022 | 179.75 | .01083 | .00030  | .02863 | 6.1547 | .45022 | 69.538 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00023 | .00033 | 474.98 | .00556 | .25396 | 9.2824 | .02627 | .11404 |
| Stddev | .00040  | .00038 | 7.83   | .00025 | .00039 | .0346  | .00026 | .00804 |
| %RSD   | 174.08  | 115.51 | 1.6476 | 4.4136 | .15273 | .37251 | .97763 | 7.0473 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00002 | .00022 | 484.02 | .00559 | .25438 | 9.2468 | .02605 | .10619 |
| #2 | -.00069 | .00001 | 470.45 | .00580 | .25361 | 9.3159 | .02621 | .11370 |
| #3 | .00002  | .00075 | 470.48 | .00531 | .25389 | 9.2844 | .02655 | .12225 |

|        |          |          |         |        |        |        |        |        |
|--------|----------|----------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 24.124 | F 19.624 | -.00507 | .02172 | .02054 | .3162  | .70047 | 5.7832 |
| Stddev | .087     | .111     | .00076  | .00015 | .00130 | .0016  | .00134 | .1559  |
| %RSD   | .36167   | .56623   | 14.990  | .68571 | 6.3143 | .4951  | .19188 | 2.6964 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 24.036 | 19.575 | -.00528 | .02156 | .01972 | .3162 | .69897 | 5.6520 |
| #2 | 24.126 | 19.545 | -.00423 | .02175 | .01987 | .3146 | .70089 | 5.7419 |
| #3 | 24.211 | 19.751 | -.00571 | .02185 | .02203 | .3178 | .70156 | 5.9556 |

Sample Name: K2331-04      Acquired: 4/10/2019 13:32:13      Type: Unk  
 Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: T1-604-X      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 6.3211 |
| Stddev | .5908  |
| %RSD   | 9.3461 |

|    |        |
|----|--------|
| #1 | 6.6167 |
| #2 | 5.6409 |
| #3 | 6.7058 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4300.9 | 50946. | 6357.7 | 83.947 | 4308.4 |
| Stddev    | 4.8    | 148.   | 41.8   | .629   | 3.0    |
| %RSD      | .11130 | .29144 | .65812 | .74901 | .07005 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4297.2 | 50914. | 6376.9 | 84.582 | 4307.1 |
| #2 | 4299.3 | 51108. | 6386.5 | 83.932 | 4306.2 |
| #3 | 4306.3 | 50816. | 6309.7 | 83.325 | 4311.8 |

Sample Name: K2331-04DUP      Acquired: 4/10/2019 13:36:40      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T1-604-XDUP      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00369 | .00218 | .01775 | .00232 | .00230 | .53049 | .23161 | .00013 |
| Stddev | .00194 | .00098 | .00060 | .00031 | .00144 | .01648 | .00122 | .00002 |
| %RSD   | 52.719 | 45.075 | 3.3941 | 13.296 | 62.605 | 3.1064 | .52467 | 14.675 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00578 | .00322 | .01812 | .00239 | .00373 | .51748 | .23178 | .00015 |
| #2 | .00194 | .00203 | .01808 | .00198 | .00231 | .54903 | .23273 | .00011 |
| #3 | .00333 | .00128 | .01705 | .00258 | .00085 | .52497 | .23032 | .00013 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00010 | 183.91 | .01087 | .00020 | .02893 | 6.2344 | .45831 | 70.599 |
| Stddev | .00013 | .13    | .00007 | .00022 | .00026 | .0152  | .00021 | .504   |
| %RSD   | 137.49 | .07178 | .64822 | 113.52 | .88862 | .24424 | .04689 | .71394 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00001 | 184.06 | .01095 | .00013 | .02923 | 6.2443 | .45812 | 70.482 |
| #2 | .00025  | 183.85 | .01082 | .00044 | .02882 | 6.2420 | .45827 | 71.151 |
| #3 | .00006  | 183.81 | .01084 | .00001 | .02875 | 6.2169 | .45854 | 70.164 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00023 | .00004 | 481.05 | .00555 | .30651 | 9.5007 | .02708 | .12217 |
| Stddev | .00011 | .00053 | 4.79   | .00036 | .00417 | .0784  | .00012 | .01456 |
| %RSD   | 48.178 | 1303.3 | .99515 | 6.5206 | 1.3610 | .82464 | .42492 | 11.919 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00036 | -.00057 | 486.34 | .00520 | .31066 | 9.4427 | .02707 | .11402 |
| #2 | .00014 | .00039  | 479.82 | .00593 | .30653 | 9.5898 | .02696 | .13898 |
| #3 | .00020 | .00030  | 477.01 | .00552 | .30232 | 9.4696 | .02719 | .11351 |

|        |          |          |         |        |        |        |        |        |
|--------|----------|----------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 24.527 | F 20.014 | -.00512 | .01983 | .02060 | .3219  | .71598 | 5.5635 |
| Stddev | .032     | .104     | .00060  | .00224 | .00185 | .0018  | .00109 | .1386  |
| %RSD   | .12971   | .51952   | 11.766  | 11.299 | 8.9688 | .5476  | .15189 | 2.4913 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 24.498 | 19.980 | -.00448 | .02121 | .01861 | .3216 | .71685 | 5.4410 |
| #2 | 24.561 | 19.931 | -.00567 | .01725 | .02093 | .3237 | .71476 | 5.7140 |
| #3 | 24.523 | 20.130 | -.00521 | .02105 | .02226 | .3202 | .71634 | 5.5356 |

Sample Name: K2331-04DUP      Acquired: 4/10/2019 13:36:40      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T1-604-XDUP      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      5.9323  
Stddev      .2779  
%RSD      4.6844

#1      5.7858  
#2      5.7583  
#3      6.2528

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4315.7 | 51002. | 6384.8 | 86.846 | 4316.7 |
| Stddev    | 8.6    | 109.   | 19.7   | 1.294  | 6.3    |
| %RSD      | .19814 | .21416 | .30910 | 1.4897 | .14595 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4306.0 | 50937. | 6378.2 | 85.407 | 4310.6 |
| #2 | 4322.1 | 50941. | 6407.0 | 87.219 | 4316.1 |
| #3 | 4319.1 | 51128. | 6369.3 | 87.912 | 4323.2 |

Sample Name: CCV03      Acquired: 4/10/2019 13:41:09      Type: Unk  
Method: P4-ICP2(v3038)      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    | 5.1385 | 5.1727 | 5.0894 | 5.0884 | 5.1774 | 10.196 | 10.256 | .25566 |
| Stddev | .0063  | .0151  | .0039  | .0017  | .0166  | .034   | .115   | .00036 |
| %RSD   | .12180 | .29253 | .07574 | .03359 | .32088 | .33309 | 1.1213 | .14112 |
| #1     | 5.1457 | 5.1592 | 5.0860 | 5.0893 | 5.1938 | 10.235 | 10.184 | .25569 |
| #2     | 5.1342 | 5.1890 | 5.0885 | 5.0894 | 5.1606 | 10.175 | 10.195 | .25600 |
| #3     | 5.1355 | 5.1698 | 5.0936 | 5.0864 | 5.1779 | 10.179 | 10.388 | .25528 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5040 | 25.540 | 1.0190 | 2.5714 | 1.2790 | 5.0837 | 2.6131 | 25.523 |
| Stddev | .0013  | .123   | .0016  | .0026  | .0026  | .0139  | .0060  | .086   |
| %RSD   | .05182 | .47973 | .15682 | .10141 | .20345 | .27287 | .22940 | .33880 |
| #1     | 2.5031 | 25.496 | 1.0207 | 2.5685 | 1.2811 | 5.0985 | 2.6174 | 25.487 |
| #2     | 2.5033 | 25.678 | 1.0189 | 2.5721 | 1.2760 | 5.0817 | 2.6157 | 25.459 |
| #3     | 2.5055 | 25.445 | 1.0175 | 2.5735 | 1.2798 | 5.0710 | 2.6063 | 25.621 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5289 | 1.2670 | 24.662 | 2.5358 | 2.5072 | 25.120 | 5.1797 | 5.1035 |
| Stddev | .0038  | .0005  | .069   | .0067  | .0023  | .028   | .0027  | .0279  |
| %RSD   | .15143 | .03955 | .28072 | .26518 | .09294 | .11008 | .05120 | .54757 |
| #1     | 2.5246 | 1.2673 | 24.741 | 2.5409 | 2.5045 | 25.147 | 5.1802 | 5.1350 |
| #2     | 2.5303 | 1.2673 | 24.626 | 2.5384 | 2.5087 | 25.092 | 5.1768 | 5.0939 |
| #3     | 2.5319 | 1.2665 | 24.618 | 2.5282 | 2.5084 | 25.120 | 5.1821 | 5.0816 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9828 | 4.8738 | 5.0208 | 5.1769 | 4.9661 | 5.085  | 5.1635 | 5.0976 |
| Stddev | .0135  | .0259  | .0025  | .0176  | .0173  | .003   | .0142  | .0757  |
| %RSD   | .27006 | .53047 | .05064 | .33965 | .34785 | .0585  | .27479 | 1.4841 |
| #1     | 4.9686 | 4.8625 | 5.0235 | 5.1842 | 4.9858 | 5.083  | 5.1719 | 5.1525 |
| #2     | 4.9953 | 4.9033 | 5.0184 | 5.1896 | 4.9587 | 5.088  | 5.1714 | 5.1291 |
| #3     | 4.9847 | 4.8555 | 5.0205 | 5.1568 | 4.9537 | 5.085  | 5.1471 | 5.0113 |

Sample Name: CCV03      Acquired: 4/10/2019 13:41:09      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.0852  
Stddev      .2060  
%RSD      9.8792

#1      2.2802  
#2      2.1058  
#3      1.8697

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4560.6 | 53218. | 6338.5 | 83.588 | 4726.9 |
| Stddev    | 17.4   | 171.   | 31.5   | 2.228  | 12.1   |
| %RSD      | .38091 | .32052 | .49705 | 2.6649 | .25503 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4540.6 | 53033. | 6331.7 | 81.076 | 4714.4 |
| #2 | 4569.1 | 53250. | 6311.0 | 84.364 | 4727.8 |
| #3 | 4572.1 | 53369. | 6372.9 | 85.324 | 4738.5 |

Sample Name: CCB03      Acquired: 4/10/2019 13:45:15      Type: Unk

Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000

User: Bin He      Custom ID1: ICSA8120      Custom ID2:      Custom ID3:

Comment:

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00040 | .00068 | .00020 | .00179 | .00024 | -.01794 | .00061 | -.00008 |
| Stddev | .00062 | .00106 | .00078 | .00092 | .00010 | .00787  | .00030 | .00002  |
| %RSD   | 157.29 | 155.50 | 387.26 | 51.164 | 40.560 | 43.897  | 48.901 | 27.552  |

|    |         |         |         |        |        |         |        |         |
|----|---------|---------|---------|--------|--------|---------|--------|---------|
| #1 | .00103  | .00178  | .00109  | .00224 | .00029 | -.00924 | .00074 | -.00009 |
| #2 | .00036  | .00059  | -.00036 | .00240 | .00013 | -.02000 | .00083 | -.00009 |
| #3 | -.00021 | -.00033 | -.00013 | .00074 | .00030 | -.02457 | .00027 | -.00005 |

|        |         |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00000 | -.02312 | -.00023 | -.00002 | -.00104 | -.00090 | -.00003 | .02591 |
| Stddev | .00004  | .00636  | .00031  | .00007  | .00051  | .00056  | .00005  | .01672 |
| %RSD   | 140640. | 27.509  | 135.84  | 288.31  | 49.213  | 62.290  | 161.09  | 64.535 |

|    |         |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|---------|--------|
| #1 | .00003  | -.02928 | -.00024 | -.00010 | -.00054 | -.00046 | .00003  | .00660 |
| #2 | -.00005 | -.02350 | -.00054 | -.00002 | -.00102 | -.00072 | -.00006 | .03565 |
| #3 | .00002  | -.01658 | .00009  | .00004  | -.00157 | -.00153 | -.00006 | .03549 |

|        |        |        |        |         |         |        |        |         |
|--------|--------|--------|--------|---------|---------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00007 | .00028 | .13743 | -.00017 | -.00029 | .04372 | .00004 | -.01321 |
| Stddev | .00029 | .00083 | .01299 | .00016  | .00006  | .03161 | .00023 | .00868  |
| %RSD   | 414.50 | 300.98 | 9.4487 | 90.732  | 20.540  | 72.319 | 526.73 | 65.725  |

|    |         |         |        |         |         |        |         |         |
|----|---------|---------|--------|---------|---------|--------|---------|---------|
| #1 | .00013  | -.00066 | .14886 | -.00031 | -.00033 | .07124 | .00028  | -.00459 |
| #2 | .00032  | .00056  | .14012 | -.00021 | -.00022 | .05072 | -.00017 | -.02195 |
| #3 | -.00024 | .00093  | .12331 | -.00000 | -.00031 | .00919 | .00002  | -.01308 |

|        |         |        |        |        |        |        |         |          |
|--------|---------|--------|--------|--------|--------|--------|---------|----------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670   |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | -.00399 | .00330 | .00055 | .00137 | .00062 | -.0039 | -.00006 | F 4.3112 |
| Stddev | .00010  | .00210 | .00025 | .00145 | .00157 | .0004  | .00006  | .2467    |
| %RSD   | 2.4467  | 63.560 | 45.343 | 105.54 | 252.91 | 9.924  | 97.619  | 5.7219   |

|    |         |        |        |        |         |        |         |        |
|----|---------|--------|--------|--------|---------|--------|---------|--------|
| #1 | -.00396 | .00567 | .00029 | .00304 | .00165  | -.0038 | .00001  | 4.5959 |
| #2 | -.00411 | .00169 | .00056 | .00053 | .00140  | -.0037 | -.00010 | 4.1782 |
| #3 | -.00392 | .00254 | .00079 | .00054 | -.00119 | -.0044 | -.00009 | 4.1596 |

Sample Name: CCB03      Acquired: 4/10/2019 13:45:15      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA8120      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .28369  
Stddev      .22629  
%RSD      79.766

#1      .13095  
#2      .54366  
#3      .17646

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4730.1 | 54511. | 6278.2 | 85.786 | 5230.9 |
| Stddev    | 18.6   | 259.   | 34.8   | .884   | 22.6   |
| %RSD      | .39295 | .47433 | .55382 | 1.0301 | .43135 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4713.9 | 54407. | 6257.6 | 86.683 | 5210.0 |
| #2 | 4726.1 | 54320. | 6258.6 | 84.917 | 5227.8 |
| #3 | 4750.4 | 54805. | 6318.3 | 85.758 | 5254.8 |

Sample Name: K2331-04LX5      Acquired: 4/10/2019 13:49:44      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA8122      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |         |         |        |        |        |
|--------|---------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00068 | .00171 | .00366 | .00358  | .00054  | .08867 | .04620 | .00009 |
| Stddev | .00242  | .00087 | .00063 | .00237  | .00095  | .00274 | .00069 | .00001 |
| %RSD   | 357.62  | 50.905 | 17.296 | 66.036  | 173.63  | 3.0873 | 1.4879 | 8.4398 |
| #1     | .00202  | .00237 | .00438 | .00341  | .00081  | .08725 | .04685 | .00008 |
| #2     | -.00265 | .00204 | .00344 | .00131  | .00133  | .08693 | .04626 | .00009 |
| #3     | -.00141 | .00072 | .00318 | .00603  | -.00051 | .09182 | .04548 | .00009 |
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00010  | 39.644 | .00236 | -.00004 | .00452  | 1.3407 | .09911 | 14.259 |
| Stddev | .00008  | .085   | .00009 | .00012  | .00027  | .0029  | .00027 | .126   |
| %RSD   | 80.587  | .21512 | 3.8600 | 311.16  | 6.0033  | .21296 | .27132 | .88227 |
| #1     | .00016  | 39.710 | .00226 | .00007  | .00424  | 1.3431 | .09880 | 14.345 |
| #2     | .00001  | 39.674 | .00242 | -.00016 | .00478  | 1.3376 | .09923 | 14.316 |
| #3     | .00013  | 39.548 | .00242 | -.00002 | .00454  | 1.3416 | .09930 | 14.114 |
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00070 | .00063 | 99.934 | .00110  | .05327  | 1.8028 | .00561 | .01840 |
| Stddev | .00033  | .00019 | .714   | .00017  | .00010  | .0248  | .00004 | .01029 |
| %RSD   | 46.553  | 30.449 | .71458 | 15.591  | .18603  | 1.3781 | .75037 | 55.910 |
| #1     | -.00102 | .00081 | 100.71 | .00120  | .05336  | 1.8101 | .00561 | .01899 |
| #2     | -.00036 | .00066 | 99.800 | .00120  | .05316  | 1.8232 | .00557 | .00783 |
| #3     | -.00074 | .00043 | 99.296 | .00090  | .05330  | 1.7751 | .00565 | .02837 |
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.4130  | 4.2266 | .00012 | .00593  | .00442  | .0559  | .15210 | 4.8268 |
| Stddev | .0476   | .0123  | .00005 | .00070  | .00102  | .0005  | .00085 | .2899  |
| %RSD   | 1.0785  | .29012 | 38.652 | 11.793  | 23.175  | .9274  | .55865 | 6.0062 |
| #1     | 4.4580  | 4.2208 | .00010 | .00535  | .00434  | .0559  | .15278 | 4.4937 |
| #2     | 4.4179  | 4.2183 | .00017 | .00573  | .00548  | .0554  | .15115 | 5.0222 |
| #3     | 4.3632  | 4.2407 | .00008 | .00671  | .00344  | .0564  | .15237 | 4.9646 |

Sample Name: K2331-04LX5      Acquired: 4/10/2019 13:49:44      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA8122      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.3077 |
| Stddev | .2359  |
| %RSD   | 10.221 |

|    |        |
|----|--------|
| #1 | 2.0485 |
| #2 | 2.5098 |
| #3 | 2.3649 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4515.3 | 52795. | 6289.7 | 86.523 | 4795.7 |
| Stddev    | 1.9    | 183.   | 12.9   | 1.546  | 9.3    |
| %RSD      | .04280 | .34707 | .20532 | 1.7868 | .19432 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4513.9 | 52584. | 6286.8 | 88.035 | 4784.9 |
| #2 | 4517.5 | 52880. | 6303.8 | 86.590 | 4800.5 |
| #3 | 4514.5 | 52919. | 6278.5 | 84.945 | 4801.6 |

Sample Name: K2331-04MS      Acquired: 4/10/2019 13:54:07      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T1-604-XMS      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |        |        |        |        |        |        |
|--------|----------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890   | Tl1908   | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .86331   | 1.9994   | 1.0433 | 2.1715 | .88114 | 2.7450 | .43741 | .22142 |
| Stddev | .00057   | .0004    | .0010  | .0029  | .00304 | .0175  | .00190 | .00015 |
| %RSD   | .06546   | .01856   | .10091 | .13226 | .34454 | .63729 | .43357 | .06809 |
| #1     | .86312   | 1.9996   | 1.0441 | 2.1682 | .88006 | 2.7288 | .43552 | .22128 |
| #2     | .86395   | 1.9990   | 1.0421 | 2.1733 | .87880 | 2.7427 | .43931 | .22138 |
| #3     | .86287   | 1.9996   | 1.0438 | 2.1729 | .88457 | 2.7635 | .43740 | .22158 |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20623   | 183.67   | .41638 | .21371 | .34401 | 9.0952 | .66330 | 71.434 |
| Stddev | .00120   | .62      | .00040 | .00055 | .00109 | .0082  | .00035 | .529   |
| %RSD   | .58248   | .33899   | .09507 | .25771 | .31697 | .09043 | .05333 | .74057 |
| #1     | .20693   | 183.41   | .41673 | .21405 | .34317 | 9.0912 | .66332 | 70.891 |
| #2     | .20692   | 184.38   | .41648 | .21402 | .34361 | 9.0898 | .66294 | 71.948 |
| #3     | .20484   | 183.22   | .41595 | .21308 | .34524 | 9.1047 | .66364 | 71.463 |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51823   | .07706   | 480.96 | .31664 | .57374 | 19.998 | .44887 | .43715 |
| Stddev | .00107   | .00063   | 5.04   | .00056 | .00062 | .109   | .00130 | .01526 |
| %RSD   | .20632   | .82112   | 1.0469 | .17547 | .10725 | .54602 | .28897 | 3.4903 |
| #1     | .51924   | .07658   | 485.33 | .31614 | .57438 | 19.882 | .44746 | .44099 |
| #2     | .51834   | .07778   | 482.11 | .31655 | .57315 | 20.099 | .44914 | .42034 |
| #3     | .51711   | .07683   | 475.45 | .31724 | .57369 | 20.012 | .45001 | .45012 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 24.251 | F 20.821 | .74787 | .23873 | .22015 | 6.981  | .91074 | 6.3629 |
| Stddev | .064     | .057     | .00094 | .00316 | .00024 | .018   | .00244 | .1205  |
| %RSD   | .26403   | .27452   | .12634 | 1.3247 | .10991 | .2585  | .26748 | 1.8937 |
| #1     | 24.178   | 20.870   | .74808 | .24073 | .21993 | 6.965  | .90981 | 6.3182 |
| #2     | 24.299   | 20.758   | .74684 | .23508 | .22012 | 6.978  | .91351 | 6.2711 |
| #3     | 24.276   | 20.834   | .74869 | .24037 | .22041 | 7.001  | .90891 | 6.4994 |

Sample Name: K2331-04MS      Acquired: 4/10/2019 13:54:07      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T1-604-XMS      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.0703 |
| Stddev | .1644  |
| %RSD   | 3.2423 |

|    |        |
|----|--------|
| #1 | 4.9607 |
| #2 | 5.2594 |
| #3 | 4.9909 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4255.9 | 50654. | 6256.1 | 85.860 | 4256.6 |
| Stddev    | 4.5    | 87.    | 27.8   | 1.962  | 1.3    |
| %RSD      | .10672 | .17163 | .44507 | 2.2846 | .03013 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4257.8 | 50579. | 6224.0 | 87.548 | 4257.3 |
| #2 | 4250.8 | 50633. | 6271.3 | 83.708 | 4255.1 |
| #3 | 4259.3 | 50749. | 6273.0 | 86.324 | 4257.5 |

Sample Name: K2331-04MSD      Acquired: 4/10/2019 13:58:18      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T1-604-XMSD      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |        |        |        |        |        |        |
|--------|----------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890   | Tl1908   | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .84873   | 1.9762   | 1.0260 | 2.1458 | .86240 | 2.6944 | .43318 | .21740 |
| Stddev | .00845   | .0051    | .0044  | .0036  | .00515 | .0257  | .00102 | .00049 |
| %RSD   | .99581   | .26022   | .42756 | .16821 | .59669 | .95447 | .23459 | .22472 |
| #1     | .84029   | 1.9704   | 1.0241 | 2.1422 | .85675 | 2.6695 | .43414 | .21791 |
| #2     | .85720   | 1.9803   | 1.0229 | 2.1494 | .86364 | 2.7209 | .43212 | .21693 |
| #3     | .84869   | 1.9779   | 1.0310 | 2.1456 | .86681 | 2.6927 | .43327 | .21738 |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20347   | 181.53   | .41068 | .21046 | .33689 | 8.9592 | .65163 | 70.792 |
| Stddev | .00062   | .47      | .00089 | .00083 | .00142 | .0160  | .00142 | .358   |
| %RSD   | .30570   | .25659   | .21718 | .39481 | .42033 | .17871 | .21846 | .50571 |
| #1     | .20295   | 181.50   | .41109 | .20976 | .33549 | 8.9753 | .65323 | 71.136 |
| #2     | .20331   | 181.09   | .40966 | .21023 | .33686 | 8.9433 | .65051 | 70.422 |
| #3     | .20416   | 182.02   | .41129 | .21138 | .33832 | 8.9588 | .65114 | 70.819 |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51056   | .07580   | 463.25 | .31270 | .54908 | 19.860 | .44290 | .40797 |
| Stddev | .00169   | .00065   | 6.92   | .00066 | .00052 | .106   | .00182 | .01207 |
| %RSD   | .33066   | .86125   | 1.4945 | .21248 | .09424 | .53301 | .41167 | 2.9587 |
| #1     | .50940   | .07514   | 471.23 | .31206 | .54874 | 19.969 | .44085 | .39623 |
| #2     | .50978   | .07645   | 458.80 | .31339 | .54883 | 19.854 | .44349 | .40733 |
| #3     | .51250   | .07580   | 459.73 | .31264 | .54968 | 19.758 | .44435 | .42035 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 24.099 | F 20.668 | .73685 | .23529 | .21825 | 6.886  | .90024 | 5.9358 |
| Stddev | .044     | .039     | .00181 | .00100 | .00323 | .011   | .00101 | .0833  |
| %RSD   | .18170   | .19022   | .24559 | .42513 | 1.4800 | .1654  | .11262 | 1.4035 |
| #1     | 24.051   | 20.623   | .73894 | .23577 | .21637 | 6.878  | .89907 | 6.0157 |
| #2     | 24.108   | 20.689   | .73581 | .23414 | .21640 | 6.881  | .90081 | 5.8495 |
| #3     | 24.138   | 20.693   | .73579 | .23596 | .22198 | 6.899  | .90084 | 5.9422 |

Sample Name: K2331-04MSD      Acquired: 4/10/2019 13:58:18      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: T1-604-XMSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 6.4742 |
| Stddev | .0734  |
| %RSD   | 1.1334 |

|    |        |
|----|--------|
| #1 | 6.5421 |
| #2 | 6.3964 |
| #3 | 6.4841 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4292.8 | 50865. | 6286.2 | 83.761 | 4285.5 |
| Stddev    | 8.5    | 219.   | 9.2    | .378   | 9.5    |
| %RSD      | .19726 | .42974 | .14624 | .45098 | .22189 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4299.0 | 50647. | 6279.5 | 83.866 | 4287.0 |
| #2 | 4296.3 | 51084. | 6296.6 | 84.075 | 4294.2 |
| #3 | 4283.1 | 50863. | 6282.3 | 83.342 | 4275.3 |

Sample Name: K2331-04A      Acquired: 4/10/2019 14:02:29      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB8122      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |        |        |        |        |        |        |
|--------|----------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890   | Tl1908   | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .83852   | 1.9587   | 1.0169 | 2.1300 | .85636 | 2.6434 | .43265 | .21645 |
| Stddev | .00087   | .0103    | .0016  | .0073  | .00296 | .0148  | .00069 | .00053 |
| %RSD   | .10406   | .52514   | .16120 | .34139 | .34521 | .55842 | .15877 | .24547 |
| #1     | .83945   | 1.9485   | 1.0155 | 2.1230 | .85300 | 2.6359 | .43198 | .21607 |
| #2     | .83840   | 1.9585   | 1.0187 | 2.1296 | .85853 | 2.6604 | .43261 | .21623 |
| #3     | .83771   | 1.9690   | 1.0166 | 2.1375 | .85757 | 2.6338 | .43335 | .21706 |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20203   | 181.10   | .40941 | .20830 | .33553 | 8.8810 | .64762 | 70.475 |
| Stddev | .00084   | .47      | .00069 | .00133 | .00034 | .0072  | .00044 | .537   |
| %RSD   | .41550   | .26085   | .16848 | .63936 | .10005 | .08151 | .06725 | .76251 |
| #1     | .20122   | 180.88   | .41006 | .20734 | .33518 | 8.8845 | .64812 | 69.941 |
| #2     | .20197   | 180.77   | .40869 | .20774 | .33556 | 8.8727 | .64735 | 70.467 |
| #3     | .20289   | 181.64   | .40949 | .20982 | .33585 | 8.8859 | .64739 | 71.016 |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50794   | .07571   | 459.20 | .31109 | .52789 | 19.815 | .44029 | .43937 |
| Stddev | .00210   | .00033   | .45    | .00037 | .00139 | .063   | .00167 | .01072 |
| %RSD   | .41396   | .43647   | .09750 | .11930 | .26255 | .31759 | .38025 | 2.4409 |
| #1     | .50567   | .07561   | 459.69 | .31116 | .52629 | 19.766 | .43950 | .45089 |
| #2     | .50832   | .07544   | 458.81 | .31143 | .52866 | 19.793 | .43915 | .43756 |
| #3     | .50983   | .07608   | 459.10 | .31069 | .52872 | 19.886 | .44221 | .42967 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 23.860 | F 20.525 | .73330 | .23009 | .21477 | 6.822  | .89477 | 6.1864 |
| Stddev | .082     | .056     | .00404 | .00167 | .00252 | .032   | .00099 | .1018  |
| %RSD   | .34279   | .27415   | .55145 | .72716 | 1.1729 | .4706  | .11097 | 1.6462 |
| #1     | 23.783   | 20.578   | .72894 | .23093 | .21701 | 6.790  | .89590 | 6.0700 |
| #2     | 23.852   | 20.531   | .73402 | .23117 | .21526 | 6.822  | .89406 | 6.2591 |
| #3     | 23.946   | 20.466   | .73693 | .22816 | .21204 | 6.854  | .89434 | 6.2301 |

Sample Name: K2331-04A      Acquired: 4/10/2019 14:02:29      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB8122      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      5.0849  
Stddev      .5230  
%RSD      10.286

#1      4.8492  
#2      5.6844  
#3      4.7213

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4286.5 | 50838. | 6299.5 | 83.028 | 4285.2 |
| Stddev    | 5.3    | 53.    | 9.3    | 1.279  | 10.6   |
| %RSD      | .12305 | .10448 | .14749 | 1.5405 | .24646 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4292.6 | 50865. | 6289.0 | 83.008 | 4297.3 |
| #2 | 4283.7 | 50873. | 6306.4 | 81.758 | 4277.7 |
| #3 | 4283.2 | 50777. | 6303.3 | 84.316 | 4280.6 |

Sample Name: K2332-02      Acquired: 4/10/2019 14:06:39      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OH-607      Custom ID2:      Custom ID3:  
Comment:

|        |        |          |         |        |        |        |        |        |
|--------|--------|----------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908   | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .42017 | .00268   | .06144  | .00386 | .00216 | 1.0638 | .27002 | .00021 |
| Stddev | .00207 | .00080   | .00046  | .00226 | .00041 | .0193  | .00205 | .00003 |
| %RSD   | .49272 | 29.738   | .75064  | 58.421 | 19.141 | 1.8141 | .76039 | 14.370 |
| #1     | .42196 | .00306   | .06196  | .00268 | .00207 | 1.0417 | .26768 | .00021 |
| #2     | .41790 | .00176   | .06108  | .00646 | .00261 | 1.0771 | .27148 | .00018 |
| #3     | .42065 | .00321   | .06128  | .00244 | .00180 | 1.0727 | .27091 | .00024 |
| Elem   | Cd2265 | Ca3736   | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00036 | 107.67   | .01446  | .00128 | .11488 | 8.6466 | .47174 | 8.7588 |
| Stddev | .00004 | .26      | .00072  | .00018 | .00092 | .0052  | .00023 | .0540  |
| %RSD   | 10.681 | .24306   | 4.9680  | 14.268 | .80041 | .06036 | .04784 | .61663 |
| #1     | .00033 | 107.97   | .01496  | .00112 | .11452 | 8.6429 | .47200 | 8.7672 |
| #2     | .00040 | 107.50   | .01364  | .00148 | .11419 | 8.6526 | .47168 | 8.8081 |
| #3     | .00036 | 107.54   | .01479  | .00126 | .11592 | 8.6444 | .47156 | 8.7010 |
| Elem   | Ni2316 | Ag3280   | Na5895  | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00825 | -.00039  | 114.19  | .00664 | .47925 | 22.445 | .01609 | .14054 |
| Stddev | .00022 | .00049   | .52     | .00023 | .00226 | .170   | .00023 | .00747 |
| %RSD   | 2.6271 | 123.77   | .45719  | 3.5356 | .47074 | .75851 | 1.4364 | 5.3127 |
| #1     | .00835 | -.00090  | 113.72  | .00638 | .47771 | 22.251 | .01635 | .13244 |
| #2     | .00800 | -.00036  | 114.10  | .00671 | .47820 | 22.571 | .01600 | .14715 |
| #3     | .00840 | .00008   | 114.76  | .00683 | .48184 | 22.512 | .01591 | .14203 |
| Elem   | S_1820 | Si2881   | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.3962 | F 11.624 | -.00070 | .05347 | .06538 | .5948  | .78014 | 4.4091 |
| Stddev | .0212  | .080     | .00065  | .00208 | .00142 | .0005  | .00202 | .1243  |
| %RSD   | .22551 | .68610   | 93.280  | 3.8966 | 2.1662 | .0909  | .25930 | 2.8190 |
| #1     | 9.4204 | 11.715   | -.00012 | .05375 | .06685 | .5945  | .78245 | 4.2687 |
| #2     | 9.3873 | 11.590   | -.00057 | .05127 | .06526 | .5954  | .77873 | 4.5052 |
| #3     | 9.3808 | 11.567   | -.00141 | .05541 | .06402 | .5944  | .77922 | 4.4534 |

Sample Name: K2332-02      Acquired: 4/10/2019 14:06:39      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OH-607      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.4711 |
| Stddev | .3955  |
| %RSD   | 11.393 |

|    |        |
|----|--------|
| #1 | 3.5572 |
| #2 | 3.8164 |
| #3 | 3.0397 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4496.8 | 53925. | 6500.0 | 86.430 | 4680.5 |
| Stddev    | 16.1   | 109.   | 46.9   | 1.631  | 10.9   |
| %RSD      | .35865 | .20264 | .72162 | 1.8868 | .23260 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4504.5 | 53870. | 6446.3 | 84.588 | 4686.5 |
| #2 | 4507.6 | 53855. | 6520.2 | 87.690 | 4687.0 |
| #3 | 4478.3 | 54051. | 6533.3 | 87.013 | 4667.9 |

Sample Name: K2333-03      Acquired: 4/10/2019 14:10:56      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NCQ-632      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |        |        |        |        |        |
|--------|----------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00551   | .00350  | .01387  | .00639 | .00333 | .50150 | .39617 | .00024 |
| Stddev | .00244   | .00078  | .00060  | .00090 | .00073 | .00447 | .00307 | .00002 |
| %RSD   | 44.334   | 22.394  | 4.3244  | 14.061 | 21.925 | .89120 | .77559 | 9.1645 |
| #1     | .00711   | .00268  | .01455  | .00729 | .00414 | .50261 | .39297 | .00024 |
| #2     | .00270   | .00356  | .01359  | .00638 | .00273 | .49658 | .39909 | .00022 |
| #3     | .00672   | .00425  | .01345  | .00549 | .00311 | .50532 | .39645 | .00027 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00030  | 112.76  | .00174  | .00060 | .04118 | 18.990 | .42837 | 16.293 |
| Stddev | .00005   | .32     | .00040  | .00007 | .00011 | .036   | .00048 | .200   |
| %RSD   | 16.680   | .28553  | 22.885  | 11.659 | .25818 | .18971 | .11283 | 1.2245 |
| #1     | -.00024  | 113.06  | .00209  | .00068 | .04108 | 18.959 | .42798 | 16.095 |
| #2     | -.00031  | 112.78  | .00131  | .00055 | .04129 | 19.029 | .42822 | 16.494 |
| #3     | -.00033  | 112.42  | .00181  | .00058 | .04117 | 18.982 | .42891 | 16.289 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00221   | -.00083 | 172.01  | .00473 | .24156 | 10.047 | .02769 | .15564 |
| Stddev | .00036   | .00015  | .78     | .00030 | .00095 | .111   | .00012 | .00801 |
| %RSD   | 16.353   | 18.000  | .45471  | 6.3466 | .39398 | 1.1001 | .41668 | 5.1433 |
| #1     | .00234   | -.00073 | 171.54  | .00487 | .24204 | 9.9291 | .02758 | .16442 |
| #2     | .00180   | -.00075 | 172.91  | .00494 | .24047 | 10.148 | .02768 | .15375 |
| #3     | .00249   | -.00100 | 171.58  | .00439 | .24219 | 10.063 | .02781 | .14875 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 10.153 | 9.2042  | -.00122 | .02039 | .03562 | 1.438  | .75516 | 4.8676 |
| Stddev | .029     | .0296   | .00043  | .00198 | .00022 | .005   | .00257 | .0514  |
| %RSD   | .28290   | .32157  | 34.901  | 9.7030 | .61147 | .3577  | .34036 | 1.0556 |
| #1     | 10.181   | 9.2370  | -.00170 | .02112 | .03586 | 1.443  | .75759 | 4.8135 |
| #2     | 10.124   | 9.1962  | -.00091 | .01815 | .03555 | 1.433  | .75543 | 4.9157 |
| #3     | 10.154   | 9.1794  | -.00104 | .02191 | .03544 | 1.439  | .75247 | 4.8735 |

Sample Name: K2333-03      Acquired: 4/10/2019 14:10:56      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: NCQ-632      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.4334 |
| Stddev | .2269  |
| %RSD   | 5.1168 |

|    |        |
|----|--------|
| #1 | 4.5669 |
| #2 | 4.1715 |
| #3 | 4.5618 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4473.5 | 53381. | 6445.7 | 86.482 | 4600.9 |
| Stddev    | 8.4    | 169.   | 18.2   | .791   | 8.2    |
| %RSD      | .18666 | .31584 | .28306 | .91461 | .17756 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4469.1 | 53561. | 6425.0 | 85.569 | 4596.7 |
| #2 | 4483.1 | 53226. | 6459.2 | 86.932 | 4610.3 |
| #3 | 4468.2 | 53357. | 6453.1 | 86.946 | 4595.7 |

Sample Name: K2316-11      Acquired: 4/10/2019 14:17:25      Type: Unk  
Method: P4-ICP2(v3038)      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    | -.04965 | -.00323 | .58436 | .00200 | .01643 | 243.68 | .19368 |
| Stddev | .00423  | .00245  | .00547 | .00098 | .00241 | 2.04   | .00379 |
| %RSD   | 8.5139  | 75.879  | .93638 | 49.148 | 14.676 | .83647 | 1.9576 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.04749 | -.00564 | .58080 | .00273 | .01379 | 246.01 | .19632 |
| #2 | -.04695 | -.00329 | .58163 | .00088 | .01852 | 242.81 | .19538 |
| #3 | -.05453 | -.00075 | .59066 | .00238 | .01698 | 242.22 | .18933 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03560 | .06832 | 1098.4 | 1.7164 | .17554 | .05007 | 419.53 |
| Stddev | .00053 | .00193 | 2.8    | .0225  | .00252 | .00149 | 4.21   |
| %RSD   | 1.4816 | 2.8185 | .25898 | 1.3111 | 1.4369 | 2.9757 | 1.0035 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .03618 | .06643 | 1096.4 | 1.7391 | .17321 | .04855 | 424.29 |
| #2 | .03546 | .06824 | 1097.1 | 1.7162 | .17519 | .05014 | 418.03 |
| #3 | .03515 | .07028 | 1101.6 | 1.6941 | .17822 | .05153 | 416.27 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.6666 | 157.03 | .60786 | -.08135 | 244.62 | 1.2972 | 14.357 |
| Stddev | .1300  | .73    | .00524 | .00145  | 6.00   | .0148  | .097   |
| %RSD   | 1.6952 | .46177 | .86172 | 1.7840  | 2.4539 | 1.1383 | .67631 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.8086 | 157.81 | .60313 | -.08265 | 250.81 | 1.3120 | 14.269 |
| #2 | 7.5535 | 156.38 | .60694 | -.08162 | 244.24 | 1.2971 | 14.340 |
| #3 | 7.6379 | 156.89 | .61349 | -.07978 | 238.82 | 1.2824 | 14.461 |

|        |        |         |        |          |          |         |        |
|--------|--------|---------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 76.269 | -.00827 | 1.1756 | F 1923.3 | F 270.93 | -.70613 | 1.2505 |
| Stddev | .808   | .00058  | .0205  | 26.3     | 3.33     | .01253  | .0214  |
| %RSD   | 1.0592 | 7.0028  | 1.7422 | 1.3686   | 1.2304   | 1.7745  | 1.7089 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 77.185 | -.00761 | 1.1942 | 1910.4 | 267.50 | -.69992 | 1.2282 |
| #2 | 75.658 | -.00852 | 1.1788 | 1906.0 | 271.14 | -.69792 | 1.2527 |
| #3 | 75.966 | -.00868 | 1.1537 | 1953.6 | 274.16 | -.72055 | 1.2708 |

Sample Name: K2316-11      Acquired: 4/10/2019 14:17:25      Type: Unk  
Method: P4-ICP2(v3038)      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    | .30463 | F 90.03 | 8.9641 | <.00000 | F<.00000 |
| Stddev | .00459 | .72     | .0715  | .57114  | .90861   |
| %RSD   | 1.5068 | .7952   | .79774 | 10.347  | .71889   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .29965 | 89.57 | 8.9027 | -5.0042 | -125.61 |
| #2 | .30554 | 89.65 | 8.9469 | -5.4220 | -126.17 |
| #3 | .30869 | 90.85 | 9.0426 | -6.1338 | -127.39 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5281.6 | 64889. | 8326.0 | 68.702 | 3365.6 |
| Stddev    | 23.9   | 925.   | 36.8   | .635   | 22.0   |
| %RSD      | .45267 | 1.4257 | .44139 | .92425 | .65335 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5308.9 | 63858. | 8362.2 | 69.378 | 3390.6 |
| #2 | 5271.2 | 65165. | 8327.2 | 68.612 | 3357.1 |
| #3 | 5264.6 | 65645. | 8288.7 | 68.118 | 3349.1 |

Sample Name: K2316-11DUP      Acquired: 4/10/2019 14:22:39      Type: Unk  
Method: P4-ICP2(v3038)      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    | -.04702 | -.00413 | .60688 | -.00096 | .01682 | 253.45 | .19948 |
| Stddev | .00263  | .00239  | .01011 | .00473  | .00180 | 2.64   | .00244 |
| %RSD   | 5.6003  | 57.684  | 1.6661 | 494.60  | 10.723 | 1.0397 | 1.2236 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.04968 | -.00689 | .61832 | -.00475 | .01879 | 251.54 | .19981 |
| #2 | -.04699 | -.00286 | .59911 | -.00246 | .01526 | 252.36 | .19689 |
| #3 | -.04441 | -.00266 | .60322 | .00434  | .01641 | 256.46 | .20174 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03650 | .07175 | 1109.6 | 1.7671 | .18142 | .05390 | 425.14 |
| Stddev | .00015 | .00258 | 14.8   | .0068  | .00313 | .00151 | 4.02   |
| %RSD   | .41369 | 3.6016 | 1.3301 | .38726 | 1.7271 | 2.8091 | .94620 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .03651 | .07472 | 1107.6 | 1.7625 | .18478 | .05565 | 422.03 |
| #2 | .03634 | .07004 | 1125.3 | 1.7750 | .17858 | .05309 | 423.70 |
| #3 | .03665 | .07048 | 1096.0 | 1.7639 | .18089 | .05297 | 429.68 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.8579 | 163.83 | .63053 | -.08629 | 260.84 | 1.3391 | 14.789 |
| Stddev | .1643  | 1.49   | .00990 | .00142  | 2.35   | .0063  | .213   |
| %RSD   | 2.0902 | .90888 | 1.5693 | 1.6460  | .90056 | .47237 | 1.4425 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.7217 | 162.87 | .64195 | -.08503 | 259.21 | 1.3318 | 15.026 |
| #2 | 7.8118 | 163.07 | .62469 | -.08602 | 263.53 | 1.3422 | 14.613 |
| #3 | 8.0403 | 165.54 | .62494 | -.08783 | 259.77 | 1.3432 | 14.728 |

|        |        |         |        |          |          |         |        |
|--------|--------|---------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 79.532 | -.00860 | 1.2022 | F 1991.3 | F 272.12 | -.73037 | 1.2682 |
| Stddev | .767   | .00015  | .0311  | 34.4     | 1.49     | .01167  | .0035  |
| %RSD   | .96403 | 1.7650  | 2.5845 | 1.7293   | .54785   | 1.5973  | .27434 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 79.003 | -.00859 | 1.1754 | 2010.9 | 270.54 | -.73591 | 1.2658 |
| #2 | 79.182 | -.00845 | 1.1950 | 2011.4 | 272.30 | -.73823 | 1.2665 |
| #3 | 80.411 | -.00875 | 1.2362 | 1951.5 | 273.51 | -.71696 | 1.2722 |

Sample Name: K2316-11DUP      Acquired: 4/10/2019 14:22:39      Type: Unk  
Method: P4-ICP2(v3038)      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    | .30955 | F 92.86 | 9.0106 | <.00000 | F<.00000 |
| Stddev | .00228 | 1.39    | .0905  | .33238  | 2.8944   |
| %RSD   | .73691 | 1.497   | 1.0038 | 6.6882  | 2.2141   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .30720 | 94.35 | 9.0672 | -5.3534 | -127.59 |
| #2 | .30971 | 91.60 | 9.0583 | -4.7751 | -131.27 |
| #3 | .31176 | 92.64 | 8.9063 | -4.7803 | -133.30 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5237.0 | 63747. | 8398.5 | 68.934 | 3289.1 |
| Stddev    | 65.2   | 346.   | 31.3   | 1.440  | 49.7   |
| %RSD      | 1.2445 | .54261 | .37263 | 2.0890 | 1.5115 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5162.5 | 64056. | 8374.8 | 67.671 | 3231.7 |
| #2 | 5265.4 | 63812. | 8386.6 | 68.628 | 3318.2 |
| #3 | 5283.2 | 63374. | 8434.0 | 70.502 | 3317.5 |

Sample Name: K2316-11LX5      Acquired: 4/10/2019 14:27:55      Type: Unk  
Method: P4-ICP2(v3038)      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    | -.01387 | .00728 | .09742 | .02888 | .00241 | 62.770 | .04978 |
| Stddev | .00032  | .00194 | .00277 | .00228 | .00120 | .132   | .00057 |
| %RSD   | 2.2717  | 26.652 | 2.8410 | 7.8790 | 50.035 | .21077 | 1.1403 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.01351 | .00603 | .09488 | .02766 | .00285 | 62.685 | .05042 |
| #2 | -.01402 | .00630 | .09702 | .03150 | .00104 | 62.702 | .04935 |
| #3 | -.01408 | .00951 | .10037 | .02747 | .00333 | 62.923 | .04956 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00900 | -.00101 | 325.33 | .50708 | .03516 | .00393 | 182.11 |
| Stddev | .00020 | .00009  | .62    | .00097 | .00041 | .00042 | .65    |
| %RSD   | 2.1932 | 9.3401  | .19137 | .19057 | 1.1702 | 10.610 | .35919 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00900 | -.00112 | 325.87 | .50616 | .03552 | .00364 | 182.61 |
| #2 | .00919 | -.00095 | 325.47 | .50809 | .03526 | .00440 | 181.37 |
| #3 | .00880 | -.00096 | 324.65 | .50699 | .03471 | .00374 | 182.34 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.2999 | 43.227 | .11956 | -.01325 | 69.405 | .37869 | 2.8280 |
| Stddev | .0041  | .206   | .00060 | .00022  | .067   | .00193 | .0021  |
| %RSD   | .17970 | .47719 | .49809 | 1.6620  | .09722 | .50917 | .07582 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.3046 | 42.989 | .11922 | -.01322 | 69.381 | .38091 | 2.8273 |
| #2 | 2.2971 | 43.333 | .11922 | -.01306 | 69.352 | .37760 | 2.8304 |
| #3 | 2.2979 | 43.359 | .12025 | -.01349 | 69.481 | .37755 | 2.8263 |

|        |        |         |        |          |          |         |        |
|--------|--------|---------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 20.168 | -.00291 | .43222 | F 528.20 | F 81.370 | -.19394 | .35260 |
| Stddev | .064   | .00013  | .01754 | 2.34     | .173     | .00109  | .00093 |
| %RSD   | .31752 | 4.5385  | 4.0586 | .44250   | .21303   | .56297  | .26310 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 20.097 | -.00294 | .45241 | 530.03 | 81.568 | -.19520 | .35354 |
| #2 | 20.186 | -.00277 | .42074 | 529.00 | 81.244 | -.19324 | .35258 |
| #3 | 20.221 | -.00303 | .42351 | 525.56 | 81.299 | -.19338 | .35169 |

Sample Name: K2316-11LX5      Acquired: 4/10/2019 14:27:55      Type: Unk  
Method: P4-ICP2(v3038)      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    | .07808 | F 17.58 | 2.4346 | 3.1631 | F<.00000 |
| Stddev | .00233 | .08     | .0064  | .1986  | .25887   |
| %RSD   | 2.9824 | .4485   | .26207 | 6.2777 | 2.0913   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .07555 | 17.64 | 2.4419 | 3.3832 | -12.666 |
| #2 | .07853 | 17.61 | 2.4299 | 2.9973 | -12.163 |
| #3 | .08014 | 17.50 | 2.4321 | 3.1089 | -12.308 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4733.2 | 56189. | 6843.0 | 81.980 | 4417.1 |
| Stddev    | 12.6   | 47.    | 12.0   | .937   | 13.2   |
| %RSD      | .26601 | .08422 | .17565 | 1.1432 | .29807 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4746.1 | 56238. | 6829.1 | 81.664 | 4432.3 |
| #2 | 4732.5 | 56185. | 6848.7 | 83.034 | 4410.9 |
| #3 | 4721.0 | 56143. | 6851.0 | 81.242 | 4408.3 |

Sample Name: K2316-11MS      Acquired: 4/10/2019 14:32:12      Type: Unk  
Method: P4-ICP2(v3038)      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    | .50932 | 1.8401 | 1.5221 | 1.4591   | .59553   | 248.76  | .34789 |
| Stddev | .00502 | .0187  | .0184  | .0113    | .00416   | 1.49    | .00351 |
| %RSD   | .98483 | 1.0186 | 1.2083 | .77490   | .69852   | .59827  | 1.0095 |
| #1     | .51505 | 1.8597 | 1.5422 | 1.4721   | .59715   | 250.22  | .35092 |
| #2     | .50576 | 1.8224 | 1.5060 | 1.4520   | .59080   | 247.25  | .34404 |
| #3     | .50713 | 1.8383 | 1.5181 | 1.4531   | .59864   | 248.82  | .34871 |
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677   | Co2286   | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | .18217 | .25519 | 1110.3 | 1.9731   | .37551   | .23822  | 424.80 |
| Stddev | .00028 | .00371 | 18.9   | .0139    | .00233   | .00108  | 2.36   |
| %RSD   | .15634 | 1.4519 | 1.7053 | .70354   | .62152   | .45135  | .55512 |
| #1     | .18250 | .25915 | 1088.6 | 1.9878   | .37801   | .23945  | 422.93 |
| #2     | .18198 | .25181 | 1118.8 | 1.9602   | .37338   | .23744  | 424.03 |
| #3     | .18203 | .25461 | 1123.6 | 1.9714   | .37514   | .23779  | 427.45 |
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280   | Na5895   | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 7.8115 | 161.17 | 1.0909 | -.02827  | 260.84   | 1.5004  | 14.271 |
| Stddev | .0358  | 1.36   | .0114  | .00114   | 2.56     | .0019   | .155   |
| %RSD   | .45800 | .84542 | 1.0480 | 4.0340   | .98131   | .12805  | 1.0827 |
| #1     | 7.8163 | 161.72 | 1.1036 | -.02956  | 263.80   | 1.5025  | 14.440 |
| #2     | 7.7736 | 159.61 | 1.0813 | -.02783  | 259.38   | 1.4998  | 14.138 |
| #3     | 7.8447 | 162.17 | 1.0878 | -.02741  | 259.34   | 1.4988  | 14.235 |
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 85.817 | .25771 | 1.4010 | F 1945.6 | F 271.83 | -.03234 | 1.4001 |
| Stddev | .715   | .00151 | .0200  | 7.9      | 5.30     | .01064  | .0088  |
| %RSD   | .83313 | .58767 | 1.4267 | .40632   | 1.9513   | 32.912  | .63022 |
| #1     | 86.495 | .25927 | 1.3827 | 1936.6   | 267.47   | -.02009 | 1.3901 |
| #2     | 85.070 | .25625 | 1.3979 | 1948.8   | 270.27   | -.03936 | 1.4032 |
| #3     | 85.886 | .25762 | 1.4223 | 1951.4   | 277.73   | -.03757 | 1.4070 |

Sample Name: K2316-11MS      Acquired: 4/10/2019 14:32:12      Type: Unk  
Method: P4-ICP2(v3038)      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    | .44695 | F 93.46 | 8.9467 | <.00000 | F<.00000 |
| Stddev | .00324 | 1.10    | .0265  | .34466  | 1.2231   |
| %RSD   | .72476 | 1.177   | .29599 | 8.6078  | .99661   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .44327 | 94.68 | 8.9770 | -4.0773 | -121.42 |
| #2 | .44818 | 92.54 | 8.9349 | -3.6286 | -123.85 |
| #3 | .44939 | 93.17 | 8.9281 | -4.3062 | -122.89 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5249.5 | 63471. | 8241.2 | 68.872 | 3346.8 |
| Stddev    | 11.1   | 248.   | 79.6   | 1.011  | 17.1   |
| %RSD      | .21093 | .39043 | .96595 | 1.4686 | .51072 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5253.3 | 63320. | 8327.7 | 69.015 | 3328.8 |
| #2 | 5258.1 | 63757. | 8224.6 | 69.804 | 3362.8 |
| #3 | 5237.0 | 63335. | 8171.1 | 67.797 | 3348.9 |

Sample Name: CCV04      Acquired: 4/10/2019 14:37:21      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14827      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0809 | 5.1504 | 5.1484 | 4.9950 | 5.1173 | 10.008 | 9.9921 | .25774 |
| Stddev | .0106  | .0067  | .0049  | .0208  | .0108  | .137   | .0725  | .00022 |
| %RSD   | .20756 | .12969 | .09503 | .41603 | .21029 | 1.3689 | .72586 | .08589 |
| #1     | 5.0886 | 5.1492 | 5.1442 | 5.0066 | 5.1077 | 9.8687 | 9.9413 | .25751 |
| #2     | 5.0853 | 5.1443 | 5.1473 | 5.0074 | 5.1289 | 10.014 | 9.9597 | .25778 |
| #3     | 5.0689 | 5.1575 | 5.1538 | 4.9710 | 5.1154 | 10.143 | 10.075 | .25794 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5264 | 25.529 | 1.0184 | 2.5954 | 1.2629 | 5.1250 | 2.6311 | 25.233 |
| Stddev | .0004  | .027   | .0008  | .0019  | .0040  | .0098  | .0021  | .296   |
| %RSD   | .01514 | .10448 | .07848 | .07197 | .31868 | .19184 | .07815 | 1.1730 |
| #1     | 2.5265 | 25.512 | 1.0184 | 2.5943 | 1.2622 | 5.1171 | 2.6288 | 24.892 |
| #2     | 2.5268 | 25.560 | 1.0192 | 2.5975 | 1.2673 | 5.1218 | 2.6318 | 25.392 |
| #3     | 2.5260 | 25.515 | 1.0176 | 2.5943 | 1.2593 | 5.1360 | 2.6327 | 25.415 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5312 | 1.2564 | 24.882 | 2.5114 | 2.4943 | 24.706 | 5.0786 | 4.9338 |
| Stddev | .0022  | .0027  | .151   | .0086  | .0010  | .221   | .0053  | .0395  |
| %RSD   | .08825 | .21903 | .60814 | .34194 | .03934 | .89444 | .10491 | .80017 |
| #1     | 2.5301 | 1.2573 | 24.710 | 2.5025 | 2.4938 | 24.451 | 5.0774 | 4.8908 |
| #2     | 2.5338 | 1.2533 | 24.941 | 2.5122 | 2.4936 | 24.835 | 5.0844 | 4.9684 |
| #3     | 2.5298 | 1.2586 | 24.995 | 2.5197 | 2.4954 | 24.833 | 5.0739 | 4.9422 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0434 | 5.2629 | 4.9697 | 5.1941 | 4.8942 | 5.021  | 5.1328 | 4.9220 |
| Stddev | .0183  | .0499  | .0081  | .0170  | .0196  | .008   | .0091  | .1351  |
| %RSD   | .36267 | .94767 | .16286 | .32789 | .40051 | .1641  | .17812 | 2.7447 |
| #1     | 5.0594 | 5.3203 | 4.9604 | 5.1779 | 4.9077 | 5.012  | 5.1431 | 4.8065 |
| #2     | 5.0474 | 5.2381 | 4.9749 | 5.1925 | 4.8717 | 5.026  | 5.1259 | 4.8890 |
| #3     | 5.0235 | 5.2302 | 4.9739 | 5.2118 | 4.9031 | 5.025  | 5.1293 | 5.0706 |

Sample Name: CCV04      Acquired: 4/10/2019 14:37:21      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14827      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.9796  
Stddev      .2560  
%RSD      8.5912

#1      2.8791  
#2      3.2706  
#3      2.7892

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4600.4 | 53362. | 6238.6 | 83.364 | 4746.7 |
| Stddev    | 12.7   | 252.   | 46.8   | 1.998  | 6.2    |
| %RSD      | .27622 | .47182 | .75040 | 2.3964 | .12968 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4600.5 | 53527. | 6185.6 | 81.738 | 4746.9 |
| #2 | 4587.6 | 53487. | 6274.4 | 85.594 | 4740.4 |
| #3 | 4613.0 | 53072. | 6255.8 | 82.760 | 4752.7 |

Sample Name: CCB04      Acquired: 4/10/2019 15:06:39      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14827      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  | .00018  | -.00074 | -.00155 | -.00012 | -.00009 | .00073  | -.00006  |
| Stddev | .00095   | .00111  | .00067  | .00033  | .00086  | .00931  | .00033  | .00005   |
| %RSD   | 129.03   | 603.00  | 90.790  | 21.253  | 739.37  | 10074.  | 44.805  | 75.121   |
| #1     | -.00183  | .00105  | -.00014 | -.00172 | .00009  | -.01001 | .00110  | -.00010  |
| #2     | -.00016  | .00057  | -.00061 | -.00117 | .00063  | .00127  | .00050  | -.00001  |
| #3     | -.00021  | -.00107 | -.00146 | -.00176 | -.00106 | .00847  | .00058  | -.00007  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00000   | -.01786 | -.00001 | -.00025 | -.00192 | .00131  | -.00000 | -.04959  |
| Stddev | .00007   | .00800  | .00047  | .00020  | .00034  | .00049  | .00003  | .02664   |
| %RSD   | 43552.   | 44.803  | 7569.6  | 83.312  | 17.592  | 37.245  | 1022.1  | 53.717   |
| #1     | -.00000  | -.02140 | .00030  | -.00045 | -.00178 | .00075  | -.00001 | -.06660  |
| #2     | -.00007  | -.02347 | -.00055 | -.00004 | -.00231 | .00152  | .00002  | -.01889  |
| #3     | .00007   | -.00870 | .00024  | -.00025 | -.00168 | .00166  | -.00003 | -.06328  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00027  | .00047  | .07002  | .00002  | -.00013 | .02941  | -.00040 | -.00454  |
| Stddev | .00043   | .00031  | .00274  | .00022  | .00007  | .01797  | .00009  | .00351   |
| %RSD   | 163.56   | 67.272  | 3.9179  | 898.78  | 54.596  | 61.098  | 22.054  | 77.340   |
| #1     | -.00076  | .00078  | .06809  | .00022  | -.00021 | .01394  | -.00047 | -.00123  |
| #2     | -.00010  | .00015  | .07316  | .00007  | -.00008 | .02516  | -.00043 | -.00418  |
| #3     | .00006   | .00047  | .06881  | -.00022 | -.00010 | .04912  | -.00030 | -.00822  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .06580 | .05622  | .00036  | .00109  | .00153  | -.0049  | -.00017 | F 3.1233 |
| Stddev | .00368   | .00759  | .00030  | .00190  | .00103  | .0006   | .00002  | .0984    |
| %RSD   | 5.5882   | 13.498  | 81.922  | 173.70  | 67.581  | 12.81   | 11.547  | 3.1510   |
| #1     | .06978   | .06389  | .00010  | .00047  | .00268  | -.0056  | -.00019 | 3.0158   |
| #2     | .06507   | .05604  | .00031  | .00322  | .00068  | -.0045  | -.00017 | 3.2090   |
| #3     | .06254   | .04871  | .00069  | -.00041 | .00122  | -.0045  | -.00015 | 3.1451   |

Sample Name: CCB04      Acquired: 4/10/2019 15:06:39      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14827      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .74560  
Stddev      .31909  
%RSD      42.796

#1      .38014  
#2      .88779  
#3      .96888

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4767.0 | 54225. | 6106.7 | 83.692 | 5274.7 |
| Stddev    | 15.0   | 69.    | 67.3   | 2.610  | 18.8   |
| %RSD      | .31436 | .12733 | 1.1022 | 3.1182 | .35673 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4751.4 | 54146. | 6029.0 | 80.808 | 5253.1 |
| #2 | 4768.5 | 54253. | 6147.2 | 85.892 | 5283.1 |
| #3 | 4781.2 | 54276. | 6143.9 | 84.375 | 5287.8 |

Sample Name: PB118773BL      Acquired: 4/10/2019 15:11:07      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118773BL      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |         |         |          |
|--------|----------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00135   | .00128  | -.00077 | .00087  | .00005  | -.00396 | -.00042 | -.00005  |
| Stddev | .00172   | .00051  | .00056  | .00199  | .00100  | .00172  | .00036  | .00008   |
| %RSD   | 126.84   | 40.194  | 72.445  | 227.10  | 1923.6  | 43.531  | 84.091  | 148.01   |
| #1     | .00077   | .00179  | -.00127 | -.00094 | .00014  | -.00388 | -.00072 | .00003   |
| #2     | .00001   | .00076  | -.00017 | .00056  | -.00099 | -.00227 | -.00052 | -.00013  |
| #3     | .00329   | .00128  | -.00088 | .00300  | .00101  | -.00572 | -.00003 | -.00006  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00005   | -.01977 | -.00019 | -.00004 | -.00185 | -.00020 | .00001  | .01457   |
| Stddev | .00006   | .00822  | .00019  | .00006  | .00017  | .00093  | .00004  | .02640   |
| %RSD   | 133.50   | 41.578  | 99.238  | 172.59  | 9.2979  | 466.81  | 490.67  | 181.15   |
| #1     | .00003   | -.01817 | -.00031 | -.00011 | -.00194 | .00087  | .00006  | .00433   |
| #2     | -.00001  | -.02867 | .00003  | .00001  | -.00196 | -.00077 | -.00002 | .04455   |
| #3     | .00011   | -.01247 | -.00028 | -.00001 | -.00165 | -.00070 | -.00001 | -.00517  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00019  | .00069  | .02497  | .00010  | -.00034 | .01726  | -.00060 | .00937   |
| Stddev | .00024   | .00031  | .01209  | .00019  | .00001  | .00750  | .00014  | .01152   |
| %RSD   | 127.32   | 44.816  | 48.413  | 189.61  | 3.5660  | 43.444  | 23.493  | 123.06   |
| #1     | -.00010  | .00103  | .01105  | .00008  | -.00033 | .02445  | -.00071 | .01955   |
| #2     | -.00046  | .00060  | .03285  | .00029  | -.00036 | .00949  | -.00065 | -.00315  |
| #3     | -.00001  | .00043  | .03100  | -.00008 | -.00034 | .01784  | -.00044 | .01169   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .04470 | .01872  | .00009  | .00054  | .00201  | -.0040  | -.00015 | F 3.4118 |
| Stddev | .00418   | .00254  | .00024  | .00063  | .00138  | .0011   | .00011  | .1209    |
| %RSD   | 9.3424   | 13.556  | 266.21  | 115.44  | 68.614  | 28.76   | 73.323  | 3.5439   |
| #1     | .04824   | .02165  | .00037  | .00040  | .00259  | -.0037  | -.00027 | 3.4648   |
| #2     | .04577   | .01732  | -.00007 | .00000  | .00043  | -.0053  | -.00005 | 3.2734   |
| #3     | .04010   | .01719  | -.00003 | .00123  | .00300  | -.0030  | -.00014 | 3.4971   |

Sample Name: PB118773BL      Acquired: 4/10/2019 15:11:07      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118773BL      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .94386 |
| Stddev | .66200   |
| %RSD   | 70.138   |

|    |        |
|----|--------|
| #1 | .39897 |
| #2 | 1.6806 |
| #3 | .75201 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4724.9 | 53971. | 6124.4 | 84.072 | 5236.4 |
| Stddev    | 5.6    | 301.   | 37.7   | 1.933  | 15.3   |
| %RSD      | .11866 | .55743 | .61549 | 2.2996 | .29176 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4718.6 | 53624. | 6082.6 | 81.950 | 5219.3 |
| #2 | 4729.3 | 54141. | 6155.8 | 85.733 | 5248.8 |
| #3 | 4726.8 | 54149. | 6134.8 | 84.533 | 5241.0 |

Sample Name: PB118774BL      Acquired: 4/10/2019 15:20:01      Type: Unk  
Method: P4-ICP2(v3038)      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    | -.00103  | .00029  | -.00072 | -.00065 | -.00121 | -.01147 | .00026  | -.00004  |
| Stddev | .00069   | .00036  | .00010  | .00126  | .00053  | .01038  | .00011  | .00005   |
| %RSD   | 66.703   | 127.35  | 13.169  | 193.02  | 43.945  | 90.562  | 41.475  | 123.56   |
| #1     | -.00179  | .00023  | -.00061 | -.00157 | -.00096 | -.02140 | .00035  | -.00006  |
| #2     | -.00045  | .00068  | -.00078 | -.00117 | -.00084 | -.00068 | .00030  | -.00008  |
| #3     | -.00086  | -.00004 | -.00077 | .00078  | -.00181 | -.01232 | .00014  | .00002   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00003   | -.00652 | -.00032 | -.00011 | -.00052 | .00014  | .00001  | .00203   |
| Stddev | .00005   | .01430  | .00046  | .00016  | .00009  | .00084  | .00003  | .01339   |
| %RSD   | 142.72   | 219.15  | 142.03  | 141.06  | 16.517  | 592.78  | 548.24  | 657.96   |
| #1     | .00003   | -.01683 | .00010  | -.00027 | -.00045 | -.00024 | -.00000 | .00398   |
| #2     | -.00001  | .00980  | -.00026 | .00005  | -.00050 | -.00044 | -.00002 | -.01222  |
| #3     | .00008   | -.01253 | -.00081 | -.00012 | -.00062 | .00110  | .00004  | .01434   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00000  | .00056  | -.01509 | .00008  | -.00034 | -.01771 | -.00032 | .00502   |
| Stddev | .00033   | .00031  | .00986  | .00024  | .00006  | .01853  | .00007  | .00538   |
| %RSD   | 13645.   | 54.590  | 65.368  | 317.71  | 18.147  | 104.61  | 21.274  | 107.25   |
| #1     | -.00028  | .00030  | -.01751 | .00034  | -.00035 | -.03911 | -.00036 | .00431   |
| #2     | -.00009  | .00049  | -.02352 | .00004  | -.00028 | -.00705 | -.00035 | .00003   |
| #3     | .00036   | .00090  | -.00424 | -.00015 | -.00040 | -.00698 | -.00024 | .01072   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .02326 | .00902  | .00003  | .00113  | .00186  | -.0051  | -.00015 | F 3.4179 |
| Stddev | .00120   | .00116  | .00046  | .00107  | .00070  | .0017   | .00005  | .0931    |
| %RSD   | 5.1458   | 12.909  | 1665.3  | 94.400  | 37.463  | 33.87   | 34.032  | 2.7254   |
| #1     | .02397   | .00969  | -.00048 | .00089  | .00208  | -.0041  | -.00015 | 3.4742   |
| #2     | .02393   | .00767  | .00041  | .00230  | .00242  | -.0040  | -.00010 | 3.4691   |
| #3     | .02188   | .00969  | .00016  | .00020  | .00108  | -.0071  | -.00020 | 3.3104   |

Sample Name: PB118774BL      Acquired: 4/10/2019 15:20:01      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .79587 |
| Stddev | .36580   |
| %RSD   | 45.962   |

|    |        |
|----|--------|
| #1 | .46723 |
| #2 | .73041 |
| #3 | 1.1900 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4746.2 | 54128. | 6145.5 | 83.839 | 5263.4 |
| Stddev    | 14.2   | 131.   | 18.7   | 1.492  | 13.9   |
| %RSD      | .29931 | .24250 | .30424 | 1.7801 | .26361 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4731.0 | 54267. | 6124.3 | 83.783 | 5249.0 |
| #2 | 4759.1 | 54110. | 6159.5 | 82.375 | 5264.4 |
| #3 | 4748.4 | 54006. | 6152.8 | 85.358 | 5276.7 |

Sample Name: PB118773BS      Acquired: 4/10/2019 15:30:26      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118773BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .70910 | 1.8494 | .92839 | 1.7749 | .75057 | 1.7836 | .17961 |
| Stddev | .00311 | .0226  | .01139 | .0203  | .00733 | .0279  | .00039 |
| %RSD   | .43834 | 1.2205 | 1.2271 | 1.1408 | .97710 | 1.5614 | .21461 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .70626 | 1.8260 | .91917 | 1.7543 | .74233 | 1.7991 | .17959 |
| #2 | .70863 | 1.8511 | .92488 | 1.7756 | .75299 | 1.8003 | .18001 |
| #3 | .71242 | 1.8711 | .94112 | 1.7947 | .75639 | 1.7515 | .17924 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18201 | .17842 | .95367 | .38237 | .19069 | .29249 | 2.8736 |
| Stddev | .00055 | .00238 | .02932 | .00144 | .00242 | .00366 | .0014  |
| %RSD   | .30449 | 1.3318 | 3.0747 | .37692 | 1.2683 | 1.2514 | .04830 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18196 | .17640 | .93298 | .38401 | .18865 | .28903 | 2.8726 |
| #2 | .18258 | .17782 | .94080 | .38174 | .19005 | .29213 | 2.8730 |
| #3 | .18148 | .18104 | .98722 | .38135 | .19336 | .29632 | 2.8752 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19723 | 1.8523 | .45991 | .06682 | 2.7756 | .27739 | .17587 |
| Stddev | .00066 | .0511  | .00679 | .00052 | .0223  | .00130 | .00235 |
| %RSD   | .33419 | 2.7565 | 1.4770 | .78017 | .80301 | .46907 | 1.3386 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19767 | 1.9041 | .45563 | .06627 | 2.7942 | .27881 | .17376 |
| #2 | .19754 | 1.8021 | .45636 | .06730 | 2.7817 | .27625 | .17545 |
| #3 | .19647 | 1.8506 | .46774 | .06689 | 2.7509 | .27710 | .17841 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 8.7740 | .38768 | .25390 | F .45798 | .81997 | .63565 | .19943 |
| Stddev | .0219  | .00461 | .01221 | .00506   | .00815 | .00638 | .00301 |
| %RSD   | .24952 | 1.1880 | 4.8094 | 1.1042   | .99347 | 1.0044 | 1.5097 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.7602 | .38290 | .25082 | .45722 | .81712 | .63085 | .19597 |
| #2 | 8.7992 | .38804 | .26736 | .46337 | .81363 | .63322 | .20082 |
| #3 | 8.7626 | .39209 | .24353 | .45334 | .82915 | .64290 | .20149 |

Sample Name: PB118773BS      Acquired: 4/10/2019 15:30:26      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118773BS      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .18340 | 4.835  | .18403 | F 4.3444 | F<.00000 |
| Stddev    | .00199 | .061   | .00029 | .1386    | .32552   |
| %RSD      | 1.0829 | 1.266  | .15668 | 3.1899   | 101.42   |
| #1        | .18213 | 4.774  | .18371 | 4.4457   | -.51019  |
| #2        | .18238 | 4.833  | .18411 | 4.4010   | -.50759  |
| #3        | .18569 | 4.897  | .18427 | 4.1865   | .05493   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 4569.2 | 52669. | 5959.6 | 82.903   | 5032.9   |
| Stddev    | 2.2    | 266.   | 21.8   | 1.894    | 4.9      |
| %RSD      | .04888 | .50514 | .36632 | 2.2841   | .09721   |
| #1        | 4569.0 | 52510. | 5971.9 | 83.208   | 5029.9   |
| #2        | 4567.0 | 52520. | 5972.5 | 80.875   | 5038.5   |
| #3        | 4571.5 | 52976. | 5934.4 | 84.625   | 5030.1   |

Sample Name: PB118774BS      Acquired: 4/10/2019 15:34:32      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .79458 | 2.0681 | 1.0405 | 1.9823 | .81815 | 1.9629 | .19715 |
| Stddev | .00661 | .0218  | .0099  | .0145  | .00720 | .0127  | .00057 |
| %RSD   | .83197 | 1.0551 | .94945 | .73351 | .88051 | .64847 | .28855 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .78703 | 2.0473 | 1.0319 | 1.9658 | .80983 | 1.9555 | .19675 |
| #2 | .79736 | 2.0660 | 1.0383 | 1.9879 | .82235 | 1.9776 | .19780 |
| #3 | .79935 | 2.0908 | 1.0513 | 1.9933 | .82228 | 1.9556 | .19690 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20303 | .19960 | 1.0335 | .42504 | .21427 | .32740 | 3.2009 |
| Stddev | .00121 | .00270 | .0167  | .00081 | .00230 | .00247 | .0103  |
| %RSD   | .59430 | 1.3503 | 1.6162 | .18953 | 1.0724 | .75294 | .32235 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20167 | .19690 | 1.0382 | .42431 | .21192 | .32561 | 3.1895 |
| #2 | .20396 | .19961 | 1.0149 | .42491 | .21438 | .32638 | 3.2097 |
| #3 | .20346 | .20229 | 1.0473 | .42590 | .21651 | .33021 | 3.2034 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21989 | 2.0245 | .51509 | .07387 | 3.0491 | .30771 | .19768 |
| Stddev | .00148 | .0384  | .00511 | .00086 | .0068  | .00192 | .00215 |
| %RSD   | .67504 | 1.8989 | .99131 | 1.1689 | .22159 | .62451 | 1.0882 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21820 | 2.0641 | .51044 | .07307 | 3.0432 | .30553 | .19565 |
| #2 | .22044 | 1.9873 | .51426 | .07375 | 3.0565 | .30846 | .19746 |
| #3 | .22101 | 2.0223 | .52056 | .07478 | 3.0476 | .30915 | .19993 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.5999 | .42109 | .28872 | F .44066 | .88291 | .68979 | .21383 |
| Stddev | .0476  | .00334 | .00258 | .00522   | .00685 | .00834 | .00228 |
| %RSD   | .49637 | .79333 | .89453 | 1.1849   | .77536 | 1.2091 | 1.0670 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.5574 | .41758 | .28785 | .44665 | .87644 | .68206 | .21149 |
| #2 | 9.5910 | .42144 | .28668 | .43705 | .88222 | .68866 | .21605 |
| #3 | 9.6514 | .42424 | .29163 | .43829 | .89008 | .69863 | .21393 |

Sample Name: PB118774BS      Acquired: 4/10/2019 15:34:32      Type: Unk  
Method: P4-ICP2(v3038)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .20004 | 5.429  | .20145 | F 4.2071 | F<.00000 |
| Stddev | .00069 | .057   | .00136 | .0930    | .38864   |
| %RSD   | .34627 | 1.052  | .67619 | 2.2114   | 438.83   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .19994 | 5.379 | .20003 | 4.2188 | .02824  |
| #2 | .19940 | 5.417 | .20156 | 4.2937 | .22828  |
| #3 | .20077 | 5.492 | .20275 | 4.1087 | -.52221 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4582.9 | 52894. | 6022.0 | 82.631 | 5048.5 |
| Stddev    | 16.8   | 248.   | 13.4   | 1.246  | 4.6    |
| %RSD      | .36689 | .46885 | .22254 | 1.5081 | .09043 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4575.9 | 52794. | 6037.5 | 83.933 | 5046.6 |
| #2 | 4570.7 | 52712. | 6014.5 | 82.508 | 5045.1 |
| #3 | 4602.1 | 53177. | 6014.1 | 81.450 | 5053.7 |

Sample Name: K2316-13      Acquired: 4/10/2019 15:38:37      Type: Unk  
Method: P4-ICP2(v3038)      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    | -.04061 | .00365 | .76988 | .01990 | .01139 | 221.33 | .21029 |
| Stddev | .00147  | .00494 | .02035 | .00328 | .00037 | 1.34   | .00179 |
| %RSD   | 3.6161  | 135.28 | 2.6438 | 16.482 | 3.2097 | .60663 | .85302 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.03937 | .00705  | .75150 | .02355 | .01111 | 222.66 | .21234 |
| #2 | -.04223 | -.00202 | .76638 | .01721 | .01181 | 221.35 | .20949 |
| #3 | -.04023 | .00593  | .79176 | .01893 | .01126 | 219.97 | .20903 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03605 | .05225 | 1250.8 | 1.3406 | .17884 | .01967 | 376.63 |
| Stddev | .00014 | .00235 | 20.2   | .0068  | .00412 | .00213 | 1.73   |
| %RSD   | .38189 | 4.5027 | 1.6162 | .50470 | 2.3016 | 10.832 | .45910 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .03613 | .04982 | 1229.2 | 1.3356 | .17497 | .01730 | 378.25 |
| #2 | .03589 | .05452 | 1269.3 | 1.3379 | .17840 | .02027 | 374.81 |
| #3 | .03614 | .05242 | 1253.7 | 1.3483 | .18316 | .02144 | 376.84 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.9714 | 151.19 | .58120 | -.05357 | 290.67 | .91254 | 16.285 |
| Stddev | .0482  | .37    | .01441 | .00085  | 3.40   | .00101 | .317   |
| %RSD   | .60478 | .24774 | 2.4786 | 1.5816  | 1.1689 | .11028 | 1.9489 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 8.0155 | 151.28 | .56644 | -.05280 | 294.09 | .91211 | 15.959 |
| #2 | 7.9789 | 151.51 | .58193 | -.05448 | 290.60 | .91182 | 16.304 |
| #3 | 7.9200 | 150.78 | .59522 | -.05344 | 287.30 | .91369 | 16.593 |

|        |        |         |        |          |          |         |        |
|--------|--------|---------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 68.309 | -.00724 | 1.0559 | F 2193.3 | F 219.84 | -.81274 | 1.7029 |
| Stddev | .648   | .00018  | .0209  | 85.3     | 2.01     | .03293  | .0211  |
| %RSD   | .94876 | 2.5520  | 1.9760 | 3.8902   | .91419   | 4.0513  | 1.2400 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 68.997 | -.00720 | 1.0682 | 2145.6 | 217.53 | -.79592 | 1.6974 |
| #2 | 68.221 | -.00744 | 1.0318 | 2291.8 | 221.21 | -.85068 | 1.7262 |
| #3 | 67.710 | -.00707 | 1.0677 | 2142.5 | 220.77 | -.79162 | 1.6851 |

Sample Name: K2316-13      Acquired: 4/10/2019 15:38:37      Type: Unk  
Method: P4-ICP2(v3038)      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       | .29114 | F 109.2 | 7.9448 | <.00000 | F<.00000 |
| Stddev    | .00317 | 2.4     | .0231  | .29428  | .75858   |
| %RSD      | 1.0897 | 2.213   | .29118 | 8.9965  | .94442   |
| #1        | .28910 | 106.8   | 7.9438 | -3.0285 | -80.835  |
| #2        | .29479 | 109.1   | 7.9684 | -3.1864 | -80.682  |
| #3        | .28952 | 111.6   | 7.9222 | -3.5985 | -79.451  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 5123.5 | 61796.  | 7749.0 | 64.342  | 3289.2   |
| Stddev    | 130.2  | 297.    | 85.1   | 1.522   | 60.1     |
| %RSD      | 2.5407 | .48051  | 1.0985 | 2.3651  | 1.8274   |
| #1        | 5115.3 | 62070.  | 7846.4 | 65.656  | 3310.8   |
| #2        | 4997.6 | 61836.  | 7688.8 | 62.675  | 3221.3   |
| #3        | 5257.6 | 61481.  | 7711.9 | 64.696  | 3335.5   |

Sample Name: K2316-14      Acquired: 4/10/2019 15:43:53      Type: Unk  
Method: P4-ICP2(v3038)      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    | -.03221 | -.00556 | .98819 | .01422 | .00925 | 206.26 | .13658 |
| Stddev | .00098  | .00450  | .01241 | .00473 | .00199 | 3.22   | .00139 |
| %RSD   | 3.0422  | 80.876  | 1.2556 | 33.247 | 21.505 | 1.5625 | 1.0179 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.03195 | -.00827 | .97846 | .00951 | .00697 | 203.98 | .13523 |
| #2 | -.03138 | -.00806 | 1.0022 | .01419 | .01059 | 204.86 | .13652 |
| #3 | -.03329 | -.00037 | .98394 | .01897 | .01019 | 209.95 | .13801 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03436 | .05773 | 941.74 | 1.1667 | .22381 | .01707 | 327.70 |
| Stddev | .00114 | .00435 | 8.13   | .0287  | .00300 | .00172 | 10.06  |
| %RSD   | 3.3227 | 7.5391 | .86325 | 2.4579 | 1.3404 | 10.074 | 3.0687 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .03389 | .06126 | 936.78 | 1.1515 | .22352 | .01680 | 320.72 |
| #2 | .03352 | .05906 | 951.12 | 1.1489 | .22694 | .01891 | 323.15 |
| #3 | .03566 | .05287 | 937.32 | 1.1998 | .22097 | .01550 | 339.23 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.3893 | 120.65 | .66936 | -.04796 | 171.09 | .81910 | 19.988 |
| Stddev | .1429  | 1.85   | .00945 | .00015  | 2.73   | .01501 | .305   |
| %RSD   | 1.9337 | 1.5303 | 1.4111 | .31640  | 1.5930 | 1.8330 | 1.5246 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.2883 | 119.75 | .66455 | -.04808 | 171.23 | .81238 | 19.980 |
| #2 | 7.3268 | 119.43 | .68025 | -.04800 | 168.30 | .80861 | 20.296 |
| #3 | 7.5528 | 122.77 | .66330 | -.04779 | 173.74 | .83630 | 19.687 |

|        |        |         |        |          |          |         |        |
|--------|--------|---------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 58.284 | -.00681 | .95374 | F 2097.5 | F 237.22 | -.77192 | 1.6544 |
| Stddev | .774   | .00057  | .03901 | 27.1     | 1.56     | .00962  | .0044  |
| %RSD   | 1.3276 | 8.3153  | 4.0906 | 1.2932   | .65693   | 1.2458  | .26760 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 57.942 | -.00746 | .91613 | 2102.9 | 236.23 | -.77426 | 1.6543 |
| #2 | 57.741 | -.00645 | .95108 | 2121.4 | 239.02 | -.78016 | 1.6589 |
| #3 | 59.170 | -.00650 | .99402 | 2068.0 | 236.42 | -.76135 | 1.6500 |

Sample Name: K2316-14      Acquired: 4/10/2019 15:43:53      Type: Unk  
Method: P4-ICP2(v3038)      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       | .23878 | F 84.30 | 7.4051 | <.00000 | F<.00000 |
| Stddev    | .00166 | 1.20    | .0901  | .28526  | 2.4269   |
| %RSD      | .69510 | 1.429   | 1.2166 | 3.4770  | 2.7926   |
| #1        | .23699 | 84.10   | 7.4935 | -7.9886 | -89.022  |
| #2        | .24026 | 85.59   | 7.4085 | -8.5277 | -87.436  |
| #3        | .23910 | 83.21   | 7.3134 | -8.0964 | -84.256  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 6454.9 | 73270.  | 9107.6 | 65.822  | 3480.5   |
| Stddev    | 293.9  | 942.    | 32.0   | 1.088   | 155.8    |
| %RSD      | 4.5532 | 1.2861  | .35112 | 1.6532  | 4.4770   |
| #1        | 6170.5 | 73856.  | 9110.9 | 65.267  | 3346.8   |
| #2        | 6436.8 | 73771.  | 9074.1 | 65.124  | 3443.0   |
| #3        | 6757.5 | 72183.  | 9137.8 | 67.076  | 3651.6   |

Sample Name: K2316-15      Acquired: 4/10/2019 15:49:08      Type: Unk  
Method: P4-ICP2(v3038)      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    | -.03713 | .00503 | .50685 | .03072 | .01510 | 236.58 | .17356 |
| Stddev | .00031  | .00442 | .00842 | .00275 | .00171 | 1.55   | .00236 |
| %RSD   | .84613  | 87.847 | 1.6604 | 8.9404 | 11.324 | .65497 | 1.3575 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.03738 | .00200 | .49805 | .02812 | .01374 | 238.27 | .17626 |
| #2 | -.03678 | .01010 | .51482 | .03047 | .01702 | 235.23 | .17194 |
| #3 | -.03724 | .00299 | .50769 | .03359 | .01455 | 236.24 | .17247 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02908 | .03060 | 1087.6 | .82146 | .16402 | .00735 | 342.64 |
| Stddev | .00027 | .00185 | 10.8   | .00827 | .00214 | .00078 | 6.93   |
| %RSD   | .91849 | 6.0322 | .98959 | 1.0063 | 1.3061 | 10.564 | 2.0233 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02881 | .03133 | 1078.6 | .81228 | .16157 | .00799 | 335.29 |
| #2 | .02934 | .03198 | 1099.5 | .82376 | .16558 | .00757 | 343.56 |
| #3 | .02908 | .02851 | 1084.8 | .82833 | .16489 | .00649 | 349.06 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.3876 | 157.37 | .39834 | -.03897 | 242.62 | .78292 | 11.333 |
| Stddev | .1250  | .66    | .00488 | .00119  | 3.61   | .00303 | .154   |
| %RSD   | 1.3314 | .41699 | 1.2256 | 3.0444  | 1.4863 | .38752 | 1.3560 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.2745 | 157.38 | .39280 | -.03968 | 246.59 | .77992 | 11.162 |
| #2 | 9.3666 | 156.71 | .40022 | -.03964 | 241.75 | .78598 | 11.460 |
| #3 | 9.5218 | 158.02 | .40200 | -.03760 | 239.53 | .78288 | 11.376 |

|        |        |         |        |          |          |         |        |
|--------|--------|---------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 73.132 | -.00646 | 1.1903 | F 1674.1 | F 313.40 | -.61757 | .79678 |
| Stddev | .573   | .00013  | .0230  | 27.8     | 6.45     | .01112  | .00252 |
| %RSD   | .78324 | 2.0341  | 1.9319 | 1.6612   | 2.0587   | 1.7998  | .31607 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 73.774 | -.00645 | 1.1930 | 1643.0 | 306.58 | -.60482 | .79396 |
| #2 | 72.674 | -.00660 | 1.1660 | 1696.6 | 319.41 | -.62522 | .79881 |
| #3 | 72.949 | -.00634 | 1.2118 | 1682.7 | 314.20 | -.62268 | .79756 |

Sample Name: K2316-15      Acquired: 4/10/2019 15:49:08      Type: Unk  
 Method: P4-ICP2(v3038)      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       | .29069 | F 64.45 | 9.4991 | <.00000 | F<.00000 |
| Stddev    | .00309 | .92     | .1230  | .47798  | .19941   |
| %RSD      | 1.0639 | 1.423   | 1.2943 | 11.770  | .34878   |
| #1        | .28774 | 63.40   | 9.4219 | -3.5091 | -57.307  |
| #2        | .29391 | 65.08   | 9.6409 | -4.3417 | -56.944  |
| #3        | .29042 | 64.88   | 9.4346 | -4.3323 | -57.269  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 5896.7 | 65115.  | 7747.3 | 69.661  | 3872.2   |
| Stddev    | 120.9  | 674.    | 91.9   | 1.252   | 53.1     |
| %RSD      | 2.0500 | 1.0345  | 1.1860 | 1.7969  | 1.3712   |
| #1        | 5816.6 | 64472.  | 7781.3 | 68.736  | 3856.3   |
| #2        | 5837.7 | 65059.  | 7643.2 | 69.161  | 3828.9   |
| #3        | 6035.8 | 65815.  | 7817.3 | 71.085  | 3931.5   |

Sample Name: K2316-11MSD      Acquired: 4/10/2019 16:01:54      Type: Unk  
Method: P4-ICP2(v3038)      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    | .51660 | 2.0972 | 1.8525 | 1.4848 | .58250 | 210.29 | .28391 |
| Stddev | .00432 | .0394  | .0406  | .0225  | .00357 | 5.75   | .01090 |
| %RSD   | .83697 | 1.8787 | 2.1893 | 1.5169 | .61294 | 2.7361 | 3.8404 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .51204 | 2.0643 | 1.8171 | 1.4625 | .57912 | 216.64 | .29646 |
| #2 | .51710 | 2.0864 | 1.8435 | 1.4844 | .58623 | 205.42 | .27673 |
| #3 | .52064 | 2.1408 | 1.8967 | 1.5076 | .58214 | 208.81 | .27854 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .19393 | .29384 | 1113.0 | F 2.1240 | .43321 | .22123 | 476.42 |
| Stddev | .00119 | .00459 | 12.7   | .0240    | .00826 | .00416 | 9.69   |
| %RSD   | .61457 | 1.5619 | 1.1437 | 1.1285   | 1.9069 | 1.8818 | 2.0332 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19267 | .28914 | 1104.8 | 2.0986 | .42599 | .21749 | 468.24 |
| #2 | .19409 | .29407 | 1127.6 | 2.1270 | .43143 | .22048 | 473.90 |
| #3 | .19504 | .29831 | 1106.5 | 2.1463 | .44222 | .22571 | 487.12 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 8.3388 | 141.94 | 1.2266 | -.01249 | 217.75 | 1.5079 | 15.816 |
| Stddev | .0523  | 2.50   | .0238  | .00142  | 7.52   | .0075  | .265   |
| %RSD   | .62701 | 1.7584 | 1.9410 | 11.356  | 3.4557 | .49748 | 1.6766 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 8.3482 | 144.45 | 1.2047 | -.01310 | 225.97 | 1.4994 | 15.561 |
| #2 | 8.2824 | 139.45 | 1.2231 | -.01351 | 216.06 | 1.5133 | 15.795 |
| #3 | 8.3857 | 141.91 | 1.2519 | -.01087 | 211.21 | 1.5111 | 16.091 |

|        |        |        |        |          |          |        |        |
|--------|--------|--------|--------|----------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm    |
| Avg    | 70.341 | .24569 | 1.2698 | F 2093.0 | F 308.47 | .02317 | 1.3938 |
| Stddev | 1.991  | .00144 | .0249  | 49.1     | 5.17     | .00644 | .0158  |
| %RSD   | 2.8306 | .58438 | 1.9622 | 2.3475   | 1.6765   | 27.810 | 1.1349 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 72.547 | .24467 | 1.2760 | 2038.2 | 302.52 | .02872 | 1.4084 |
| #2 | 68.677 | .24507 | 1.2424 | 2107.8 | 311.01 | .01611 | 1.3770 |
| #3 | 69.798 | .24733 | 1.2910 | 2133.0 | 311.88 | .02467 | 1.3960 |

Sample Name: K2316-11MSD      Acquired: 4/10/2019 16:01:54      Type: Unk  
Method: P4-ICP2(v3038)      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    | .41559 | F 107.3 | 8.6235 | <.00000 | F<.00000 |
| Stddev | .00508 | 2.3     | .1612  | .58929  | 5.1439   |
| %RSD   | 1.2218 | 2.167   | 1.8695 | 7.1712  | 4.4819   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .41985 | 105.1 | 8.7702 | -7.6820 | -117.46 |
| #2 | .40997 | 107.1 | 8.6495 | -8.1214 | -118.01 |
| #3 | .41695 | 109.8 | 8.4509 | -8.8488 | -108.84 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 6545.5 | 68445. | 7608.3 | 62.613 | 3848.5 |
| Stddev    | 104.4  | 1064.  | 53.3   | .730   | 25.7   |
| %RSD      | 1.5952 | 1.5548 | .70069 | 1.1667 | .66808 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 6433.1 | 67229. | 7633.4 | 62.496 | 3819.0 |
| #2 | 6563.9 | 68901. | 7547.1 | 63.395 | 3860.4 |
| #3 | 6639.5 | 69205. | 7644.5 | 61.948 | 3866.2 |

Sample Name: CCV05      Acquired: 4/10/2019 16:12:58      Type: Unk  
Method: P4-ICP2(v3039)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |        |          |          |          |
|--------|----------|----------|----------|----------|--------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068 | Al3961   | Ba4934   | Be2348   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      |
| Avg    | 5.1786   | 5.3708   | F 5.7599 | 4.9700   | 4.8936 | F 8.5761 | F 8.1919 | .26562   |
| Stddev | .0154    | .0264    | .0338    | .0157    | .0039  | .0533    | .0585    | .00074   |
| %RSD   | .29668   | .49146   | .58609   | .31489   | .07980 | .62171   | .71411   | .27792   |
| #1     | 5.1648   | 5.3512   | 5.7219   | 4.9529   | 4.8979 | 8.5986   | 8.2230   | .26480   |
| #2     | 5.1758   | 5.3605   | 5.7711   | 4.9732   | 4.8902 | 8.6145   | 8.2283   | .26580   |
| #3     | 5.1952   | 5.4008   | 5.7866   | 4.9837   | 4.8926 | 8.5153   | 8.1245   | .26625   |
| Elem   | Cd2265   | Ca3736   | Cr2677   | Co2286   | Cu2247 | Fe2404   | Mn2576   | Mg2790   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      |
| Avg    | F 2.7811 | 26.090   | 1.0601   | F 2.7666 | 1.2293 | 5.4456   | F 2.7618 | 22.761   |
| Stddev | .0149    | .068     | .0022    | .0094    | .0031  | .0067    | .0047    | .075     |
| %RSD   | .53628   | .26096   | .20468   | .34018   | .25507 | .12304   | .16967   | .32917   |
| #1     | 2.7646   | 26.035   | 1.0591   | 2.7565   | 1.2257 | 5.4382   | 2.7565   | 22.791   |
| #2     | 2.7852   | 26.166   | 1.0626   | 2.7682   | 1.2317 | 5.4476   | 2.7633   | 22.816   |
| #3     | 2.7935   | 26.069   | 1.0586   | 2.7752   | 1.2304 | 5.4511   | 2.7655   | 22.675   |
| Elem   | Ni2316   | Ag3280   | Na5895   | V_2924   | Zn2138 | K_7664   | Mo2020   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      |
| Avg    | 2.6446   | 1.2263   | F 20.937 | 2.4674   | 2.5622 | F 20.447 | 4.7642   | F 4.0740 |
| Stddev | .0125    | .0008    | .165     | .0052    | .0074  | .206     | .0069    | .0704    |
| %RSD   | .47161   | .06147   | .78803   | .21232   | .28961 | 1.0076   | .14596   | 1.7293   |
| #1     | 2.6310   | 1.2254   | 21.053   | 2.4652   | 2.5552 | 20.514   | 4.7593   | 4.1193   |
| #2     | 2.6474   | 1.2269   | 21.010   | 2.4734   | 2.5614 | 20.611   | 4.7610   | 4.1098   |
| #3     | 2.6555   | 1.2265   | 20.748   | 2.4636   | 2.5700 | 20.216   | 4.7721   | 3.9928   |
| Elem   | S_1820   | Si2881   | Sn1899   | Ti3361   | Li6707 | P_1774   | Sr4077   | U_3670   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm    | ppm      | ppm      | ppm      |
| Avg    | 5.1379   | F 6.1219 | 5.2950   | 5.2160   | 4.5226 | 5.355    | 5.0050   | F 2.7292 |
| Stddev | .0267    | .0321    | .0368    | .0157    | .0202  | .032     | .0215    | .0966    |
| %RSD   | .51910   | .52377   | .69528   | .30165   | .44590 | .5888    | .42899   | 3.5394   |
| #1     | 5.1271   | 6.1063   | 5.2560   | 5.2241   | 4.5382 | 5.325    | 5.0174   | 2.6211   |
| #2     | 5.1184   | 6.1007   | 5.2999   | 5.2260   | 4.5298 | 5.352    | 5.0174   | 2.8068   |
| #3     | 5.1683   | 6.1588   | 5.3292   | 5.1978   | 4.4998 | 5.387    | 4.9802   | 2.7599   |

Sample Name: CCV05      Acquired: 4/10/2019 16:12:58      Type: Unk  
 Method: P4-ICP2(v3039)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 10.712 |
| Stddev | .575     |
| %RSD   | 5.3658   |

|    |        |
|----|--------|
| #1 | 10.113 |
| #2 | 11.260 |
| #3 | 10.762 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5481.8 | 58377. | 5828.2 | 81.500 | 5378.4 |
| Stddev    | 29.0   | 324.   | 15.2   | 1.054  | 14.8   |
| %RSD      | .52994 | .55532 | .26125 | 1.2934 | .27606 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5452.8 | 58158. | 5811.6 | 82.717 | 5363.2 |
| #2 | 5481.7 | 58224. | 5831.5 | 80.927 | 5379.0 |
| #3 | 5510.9 | 58750. | 5841.5 | 80.857 | 5392.9 |

Sample Name: CCB05      Acquired: 4/10/2019 16:16:55      Type: Unk  
Method: P4-ICP2(v3039)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00016 | .00174 | .00518 | .00051 | .00129 | .00069 | .00103 | -.00001 |
| Stddev | .00146 | .00111 | .00079 | .00077 | .00077 | .01044 | .00016 | .00004  |
| %RSD   | 904.33 | 64.129 | 15.219 | 150.99 | 59.971 | 1516.6 | 15.542 | 621.83  |

|    |         |        |        |         |        |         |        |         |
|----|---------|--------|--------|---------|--------|---------|--------|---------|
| #1 | .00154  | .00235 | .00599 | .00126  | .00062 | -.00753 | .00086 | -.00003 |
| #2 | -.00137 | .00045 | .00441 | .00057  | .00111 | .01244  | .00105 | .00004  |
| #3 | .00032  | .00241 | .00515 | -.00029 | .00214 | -.00284 | .00118 | -.00003 |

|        |        |         |         |         |         |        |         |        |
|--------|--------|---------|---------|---------|---------|--------|---------|--------|
| Elem   | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00015 | -.00137 | -.00051 | -.00047 | -.00209 | .00382 | -.00007 | .00969 |
| Stddev | .00003 | .00707  | .00016  | .00004  | .00023  | .00132 | .00003  | .03473 |
| %RSD   | 19.945 | 516.98  | 31.601  | 8.9696  | 10.956  | 34.618 | 39.896  | 358.40 |

|    |        |         |         |         |         |        |         |         |
|----|--------|---------|---------|---------|---------|--------|---------|---------|
| #1 | .00017 | -.00767 | -.00065 | -.00045 | -.00232 | .00296 | -.00007 | -.02980 |
| #2 | .00012 | -.00271 | -.00034 | -.00043 | -.00209 | .00534 | -.00004 | .02335  |
| #3 | .00017 | .00628  | -.00054 | -.00051 | -.00186 | .00315 | -.00010 | .03552  |

|        |         |        |         |        |         |        |         |         |
|--------|---------|--------|---------|--------|---------|--------|---------|---------|
| Elem   | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00284 | .00208 | -.02904 | .00066 | -.00010 | .01273 | -.00014 | -.00211 |
| Stddev | .00042  | .00062 | .00699  | .00014 | .00005  | .02795 | .00018  | .00394  |
| %RSD   | 14.676  | 29.796 | 24.065  | 20.575 | 48.082  | 219.55 | 126.13  | 186.51  |

|    |         |        |         |        |         |         |         |         |
|----|---------|--------|---------|--------|---------|---------|---------|---------|
| #1 | -.00283 | .00249 | -.02097 | .00078 | -.00014 | .00357  | -.00006 | .00243  |
| #2 | -.00326 | .00137 | -.03292 | .00069 | -.00011 | -.00949 | -.00002 | -.00456 |
| #3 | -.00243 | .00239 | -.03323 | .00051 | -.00005 | .04411  | -.00035 | -.00421 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .04451 | .08411 | .00057 | -.00012 | .00839 | -.0118 | -.00022 | 1.3690 |
| Stddev | .00288 | .01055 | .00068 | .00052  | .00097 | .0007  | .00007  | .3416  |
| %RSD   | 6.4661 | 12.544 | 120.89 | 438.17  | 11.614 | 5.779  | 32.648  | 24.955 |

|    |        |        |         |         |        |        |         |        |
|----|--------|--------|---------|---------|--------|--------|---------|--------|
| #1 | .04673 | .09542 | -.00015 | -.00006 | .00746 | -.0126 | -.00014 | 1.7616 |
| #2 | .04554 | .08239 | .00064  | .00037  | .00830 | -.0115 | -.00029 | 1.2055 |
| #3 | .04126 | .07453 | .00121  | -.00066 | .00941 | -.0113 | -.00022 | 1.1398 |

Sample Name: CCB05      Acquired: 4/10/2019 16:16:55      Type: Unk  
 Method: P4-ICP2(v3039)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      8.0081  
 Stddev      .6319  
 %RSD      7.8909

#1      7.4201  
 #2      7.9278  
 #3      8.6763

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5701.5 | 61214. | 5819.1 | 83.444 | 6058.4 |
| Stddev    | 12.2   | 212.   | 12.0   | .140   | 6.9    |
| %RSD      | .21388 | .34594 | .20685 | .16721 | .11359 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5697.9 | 60969. | 5827.2 | 83.283 | 6050.6 |
| #2 | 5715.1 | 61333. | 5824.9 | 83.525 | 6063.6 |
| #3 | 5691.6 | 61339. | 5805.3 | 83.525 | 6061.0 |