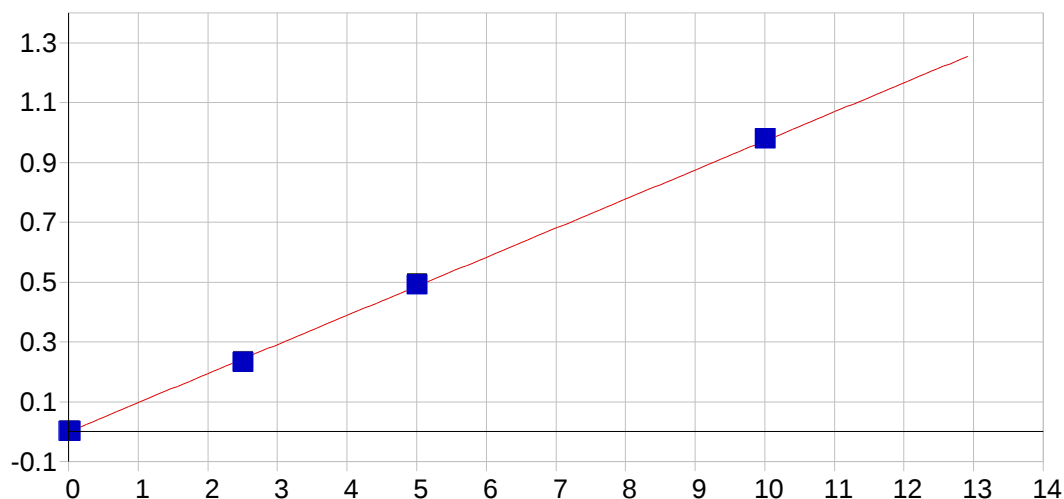




As 189.042 {478}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000238

Re-Slope: 1.000000

A1 (Gain): 0.097217

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999804

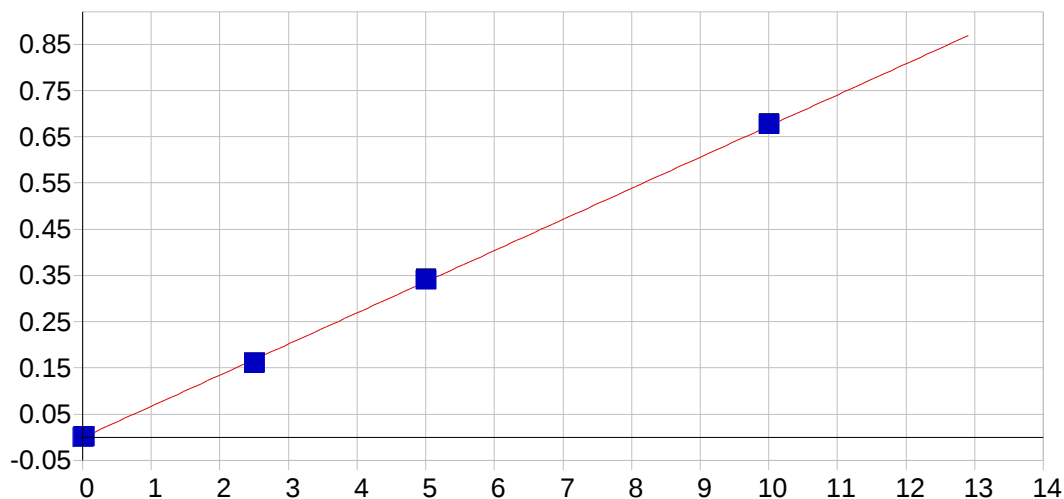
Status: OK.

Std Error of Est: 0.000047

Predicted MDL: 0.002643

Predicted MQL: 0.008810

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00024 | .000    | 1        |
| S1        | .02000       | .01656      | -.003      | -17.2   | .00137  | .000    | 1        |
| S3        | 2.5000       | 2.3851      | -.115      | -4.60   | .23162  | .001    | 1        |
| S4        | 5.0000       | 5.0543      | .054       | 1.09    | .49109  | .002    | 1        |
| S5        | 10.000       | 10.064      | .064       | .640    | .97809  | .000    | 1        |



As 189.042 {479}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

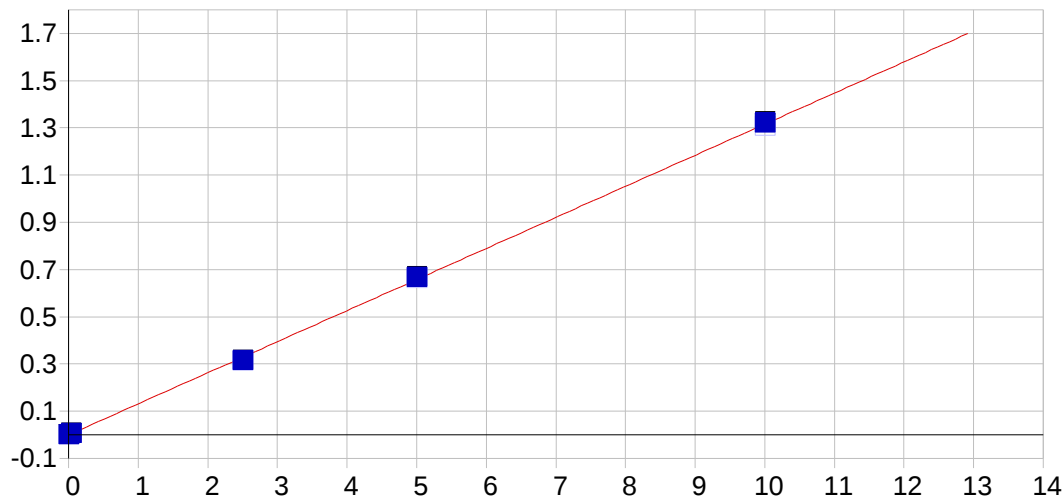
Weighting: 1/Conc

A0 (Offset): -0.000152

Re-Slope: 1.000000

A1 (Gain): 0.067313 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999827 Status: OK.  
 Std Error of Est: 0.000030  
 Predicted MDL: 0.002495  
 Predicted MQL: 0.008315

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00015 | .000    | 1        |
| S1        | .02000       | .02061      | .001       | 3.06    | .00124  | .000    | 1        |
| S3        | 2.5000       | 2.3868      | -.113      | -4.53   | .16052  | .000    | 1        |
| S4        | 5.0000       | 5.0530      | .053       | 1.06    | .33998  | .002    | 1        |
| S5        | 10.000       | 10.060      | .060       | .595    | .67699  | .001    | 1        |

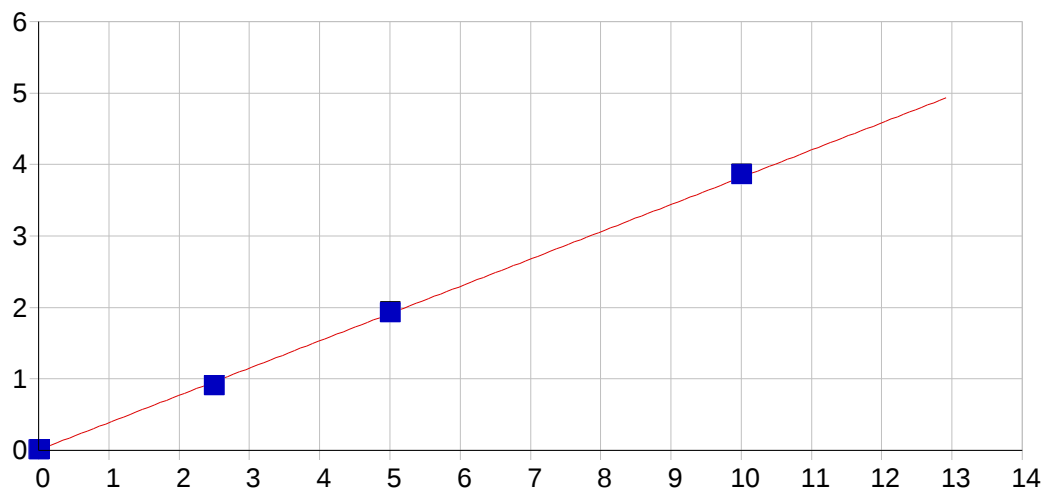


TI 190.856 {477}

Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000195 Re-Slope: 1.000000  
 A1 (Gain): 0.131608 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999810 Status: OK.  
 Std Error of Est: 0.000087  
 Predicted MDL: 0.001531  
 Predicted MQL: 0.005103

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00020 | .000    | 1        |
| S1        | .04000       | .04336      | .003       | 8.40    | .00537  | .000    | 1        |
| S3        | 2.5000       | 2.3879      | -.112      | -4.48   | .31070  | .001    | 1        |
| S4        | 5.0000       | 5.0736      | .074       | 1.47    | .66078  | .003    | 1        |
| S5        | 10.000       | 10.035      | .035       | .352    | 1.3070  | .004    | 1        |

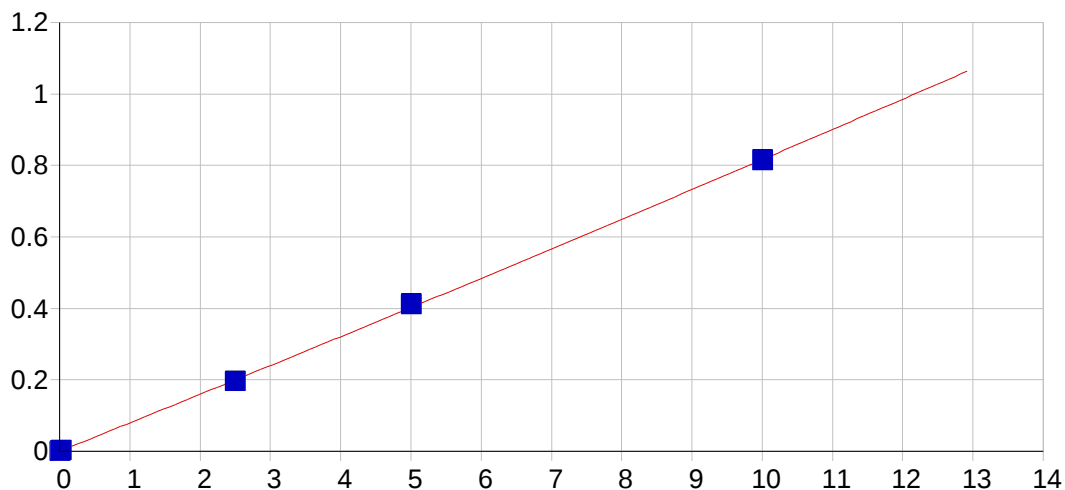


Pb 220.353 (453)

Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.007203 Re-Slope: 1.000000  
 A1 (Gain): 0.381380 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999748 Status: OK.  
 Std Error of Est: 0.000160  
 Predicted MDL: 0.000901  
 Predicted MQL: 0.003004

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00720 | .000    | 1        |
| S1        | .01200       | .01216      | .000       | 1.33    | .01176 | .000    | 1        |
| S3        | 2.5000       | 2.3627      | -.137      | -5.49   | .90717 | .001    | 1        |
| S4        | 5.0000       | 5.0367      | .037       | .735    | 1.9259 | .008    | 1        |
| S5        | 10.000       | 10.100      | .100       | 1.00    | 3.8548 | .001    | 1        |



Se 196.090 (472)

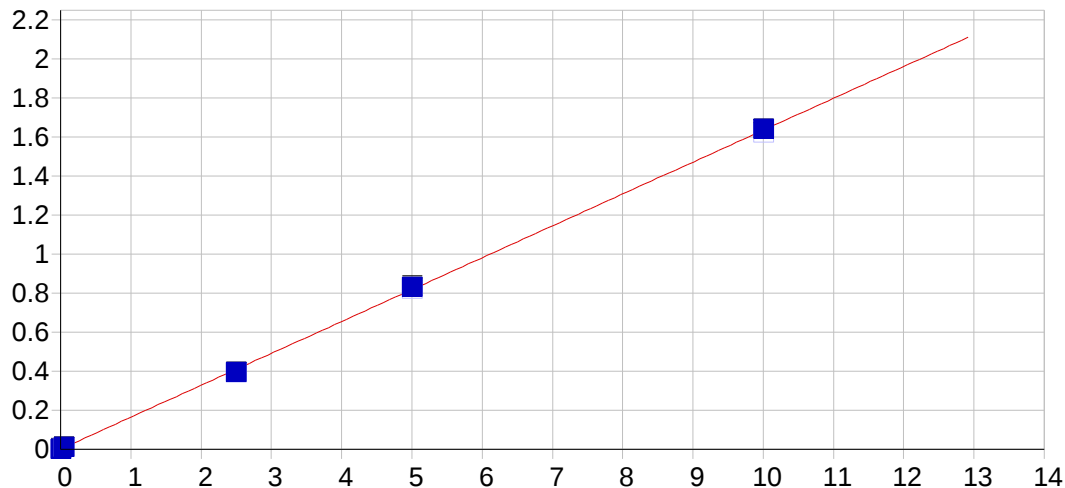
Date of Fit: 2/1/2019 15:39:10 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.000240 Re-Slope: 1.000000  
 A1 (Gain): 0.079133 Y-int: 0.000000

A2 (Curvature): 0.000248  
 n (Exponent): 1.000000  
 Correlation: 0.999895  
 Std Error of Est: 0.000035  
 Predicted MDL: 0.003024  
 Predicted MQL: 0.010080

Status: Warning Positive Curvature

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00024 | .000    | 1        |
| S1        | .02000       | .01917      | -.001      | -4.15   | .00176 | .000    | 1        |
| S3        | 2.5000       | 2.4354      | -.065      | -2.58   | .19441 | .001    | 1        |
| S4        | 5.0000       | 5.0969      | .097       | 1.94    | .40996 | .002    | 1        |
| S5        | 10.000       | 9.9684      | -.032      | -.316   | .81358 | .001    | 1        |



Sb 206.833 {463}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

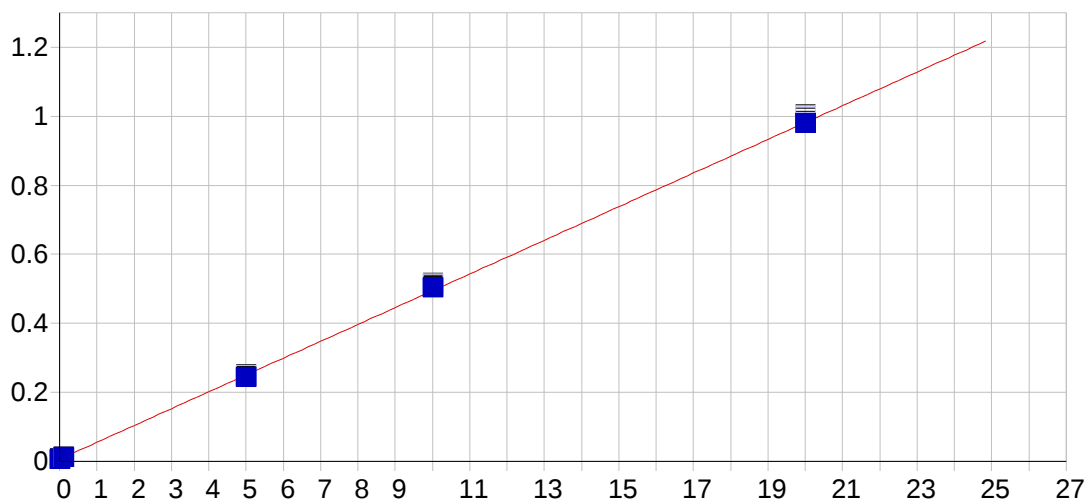
Weighting: 1/Conc

A0 (Offset): 0.001555  
 A1 (Gain): 0.163375  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999850  
 Std Error of Est: 0.000107  
 Predicted MDL: 0.001776  
 Predicted MQL: 0.005920

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    | .00155 | .000    | 1        |
| S1        | .05000       | .05553      | .006       | 11.1    | .01042 | .000    | 1        |
| S3        | 2.5000       | 2.4055      | -.094      | -3.78   | .38996 | .001    | 1        |
| S4        | 5.0000       | 5.0676      | .068       | 1.35    | .82029 | .006    | 1        |
| S5        | 10.000       | 10.021      | .021       | .214    | 1.6204 | .001    | 1        |

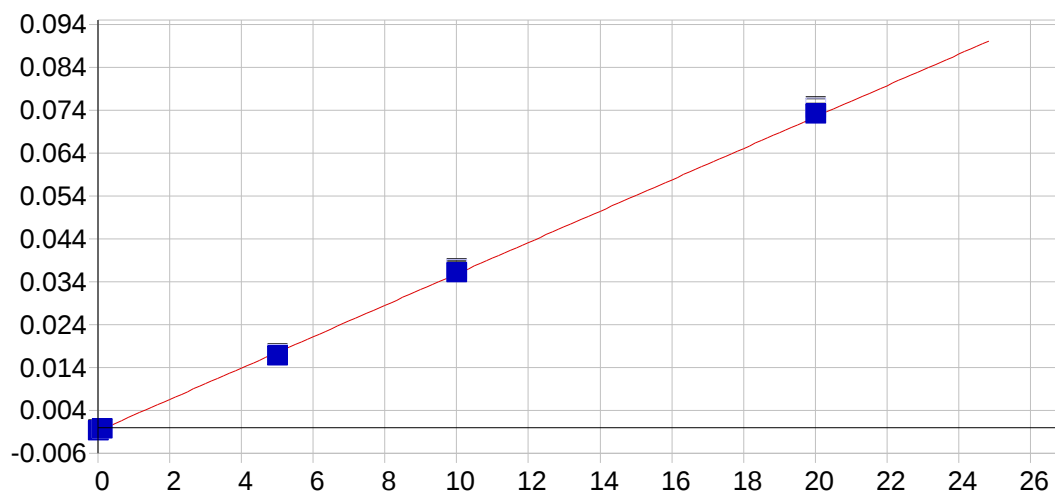


AI 308.215 {109}

Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.006441 Re-Slope: 1.000000  
 A1 (Gain): 0.048773 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999891 Status: OK.  
 Std Error of Est: 0.000056  
 Predicted MDL: 0.003010  
 Predicted MQL: 0.010034

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00644 | .000    | 1        |
| S1        | .10000       | .10293      | .003       | 2.93    | .01180 | .000    | 1        |
| S3        | 5.0000       | 4.8569      | -.143      | -2.86   | .24818 | .001    | 1        |
| S4        | 10.000       | 10.190      | .190       | 1.90    | .51316 | .002    | 1        |
| S5        | 20.000       | 19.950      | -.050      | -.251   | .99887 | .005    | 1        |



AI 309.271 {109}

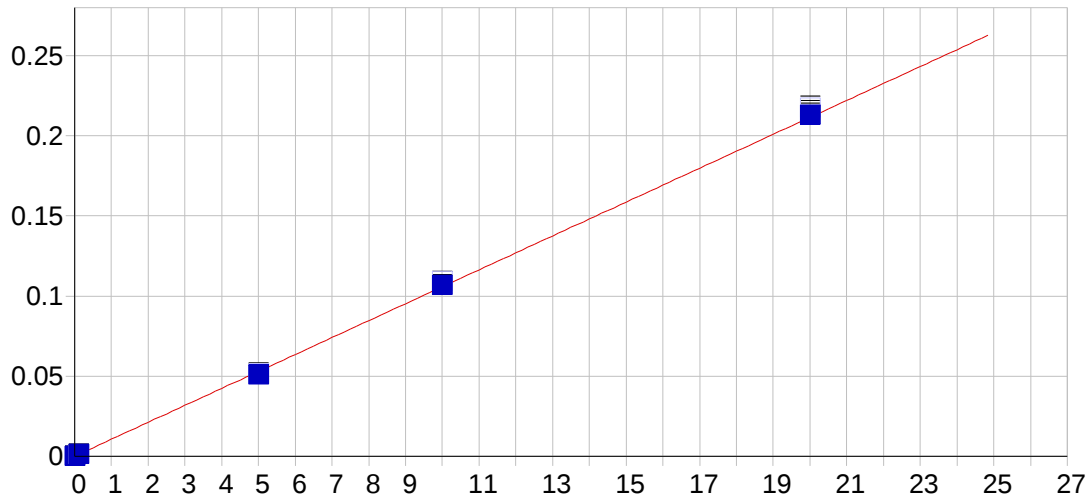
Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000755 Re-Slope: 1.000000  
 A1 (Gain): 0.003657 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999807  
 Std Error of Est: 0.000006  
 Predicted MDL: 0.027622  
 Predicted MQL: 0.092075

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00076 | .000    | 1        |
| S1        | .10000       | .10446      | .004       | 4.46    | -.00035 | .000    | 1        |
| S3        | 5.0000       | 4.7556      | -.244      | -4.89   | .01700  | .000    | 1        |
| S4        | 10.000       | 10.073      | .073       | .733    | .03681  | .000    | 1        |
| S5        | 20.000       | 20.166      | .166       | .832    | .07445  | .000    | 1        |



AI 396.152 { 85}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

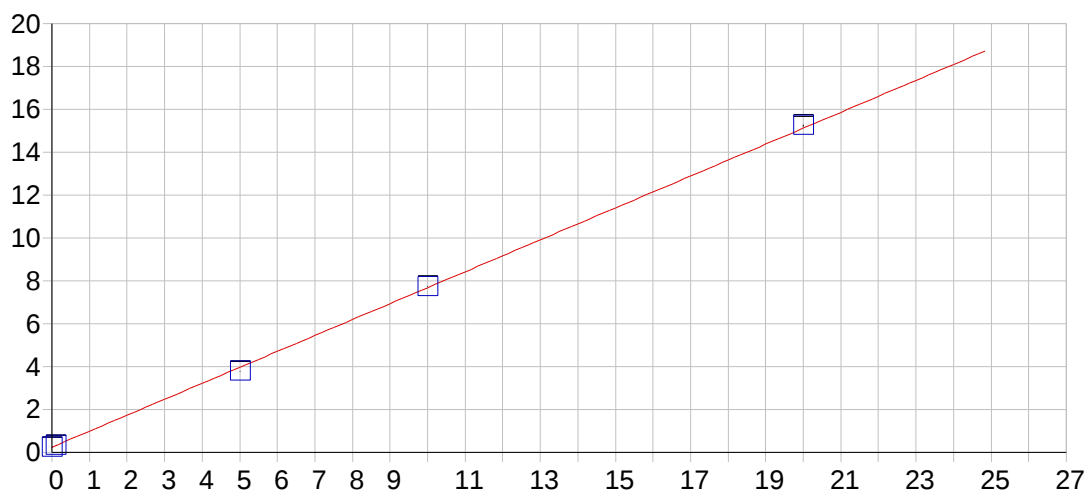
Weighting: 1/Conc

A0 (Offset): 0.000098  
 A1 (Gain): 0.010572  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999835  
 Std Error of Est: 0.000015  
 Predicted MDL: 0.015020  
 Predicted MQL: 0.050065

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    | .00010 | .000    | 1        |
| S1        | .10000       | .09817      | -.002      | -1.83   | .00121 | .000    | 1        |
| S3        | 5.0000       | 4.7735      | -.226      | -4.53   | .05162 | .000    | 1        |
| S4        | 10.000       | 10.095      | .095       | .952    | .10893 | .000    | 1        |
| S5        | 20.000       | 20.133      | .133       | .666    | .21716 | .001    | 1        |

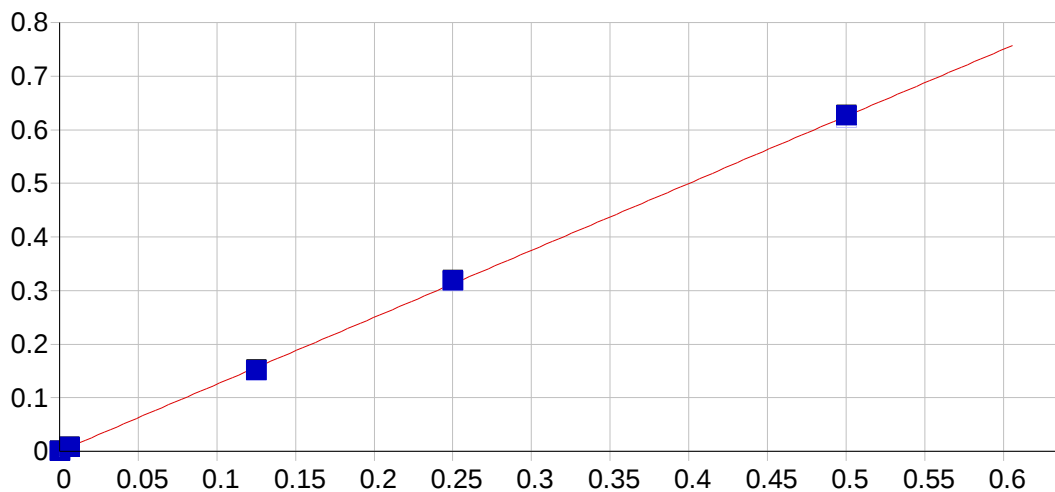


Ba 493.409 { 68}

Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.246233 Re-Slope: 1.000000  
 A1 (Gain): 0.743702 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999807 Status: OK.  
 Std Error of Est: 0.001116  
 Predicted MDL: 0.005090  
 Predicted MQL: 0.016967

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .24624 | .002    | 1        |
| S1        | .10000       | .09623      | -.004      | -3.77   | .31780 | .003    | 1        |
| S3        | 5.0000       | 4.7610      | -.239      | -4.78   | 3.7870 | .013    | 1        |
| S5        | 20.000       | 20.161      | .161       | .803    | 15.240 | .046    | 1        |
| S4        | 10.000       | 10.082      | .082       | .822    | 7.7444 | .020    | 1        |



Be 234.861 {144}

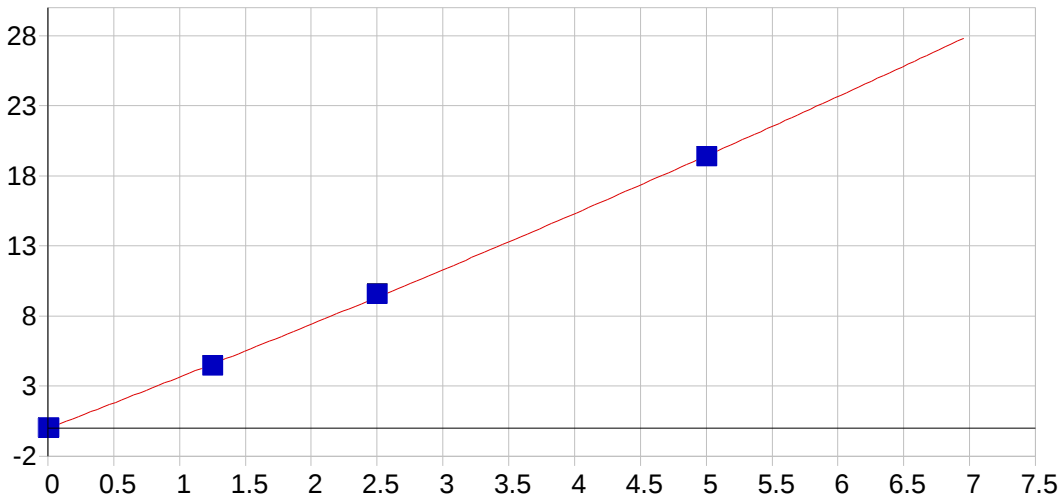
Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000232 Re-Slope: 1.000000  
 A1 (Gain): 1.249414 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999852  
 Std Error of Est: 0.000063  
 Predicted MDL: 0.000072  
 Predicted MQL: 0.000238

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00023 | .000    | 1        |
| S1        | .00600       | .00586      | -.000      | -2.39   | .00747 | .000    | 1        |
| S3        | .12500       | .12034      | -.005      | -3.72   | .14961 | .001    | 1        |
| S4        | .25000       | .25447      | .004       | 1.79    | .31621 | .001    | 1        |
| S5        | .50000       | .50033      | .000       | .065    | .62142 | .002    | 1        |



Cd 226.502 {449}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Curvilinear

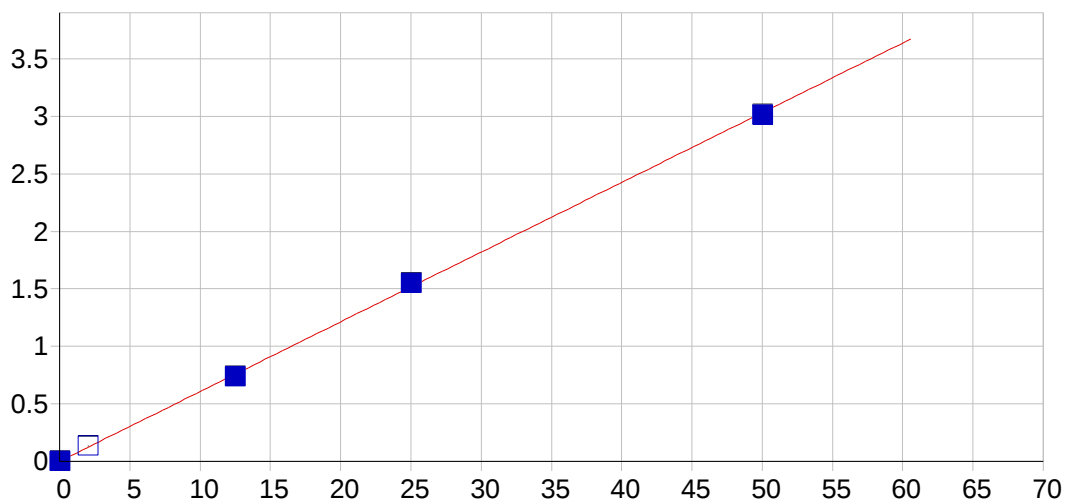
Weighting: 1/Conc

A0 (Offset): -0.003389  
 A1 (Gain): 3.593580  
 A2 (Curvature): 0.058506  
 n (Exponent): 1.000000  
 Correlation: 0.999855  
 Std Error of Est: 0.000743  
 Predicted MDL: 0.000100  
 Predicted MQL: 0.000332

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: Warning Positive Curvature

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00339 | .000    | 1        |
| S1        | .00600       | .00600      | .000       | .053    | .01823  | .001    | 1        |
| S3        | 1.2500       | 1.2112      | -.039      | -3.11   | 4.4359  | .007    | 1        |
| S4        | 2.5000       | 2.5560      | .056       | 2.24    | 9.5659  | .045    | 1        |
| S5        | 5.0000       | 4.9826      | -.017      | -.347   | 19.359  | .004    | 1        |

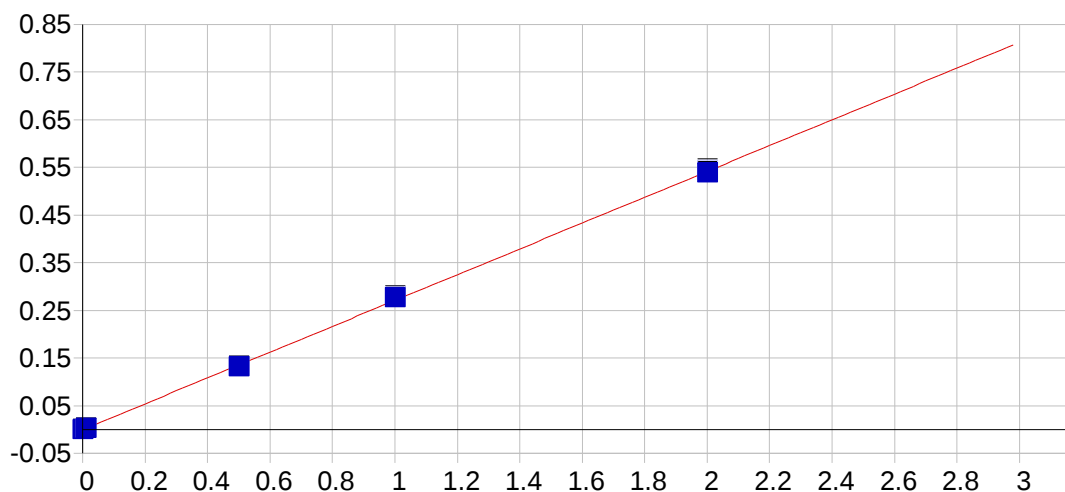


Ca 373.690 { 90}

Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000719 Re-Slope: 1.000000  
 A1 (Gain): 0.060613 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999763 Status: OK.  
 Std Error of Est: 0.000721  
 Predicted MDL: 0.018124  
 Predicted MQL: 0.060415

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1941      | .194       | 9.70    | .13371 | .002    | 1        |
| S0        | .00000       | -.00017     | -.000      | .000    | .00071 | .001    | 1        |
| S3        | 12.500       | 12.149      | -.351      | -2.81   | .73751 | .004    | 1        |
| S4        | 25.000       | 25.526      | .526       | 2.11    | 1.5488 | .005    | 1        |
| S5        | 50.000       | 49.630      | -.370      | -.739   | 3.0106 | .007    | 1        |



Cr 267.716 {126}

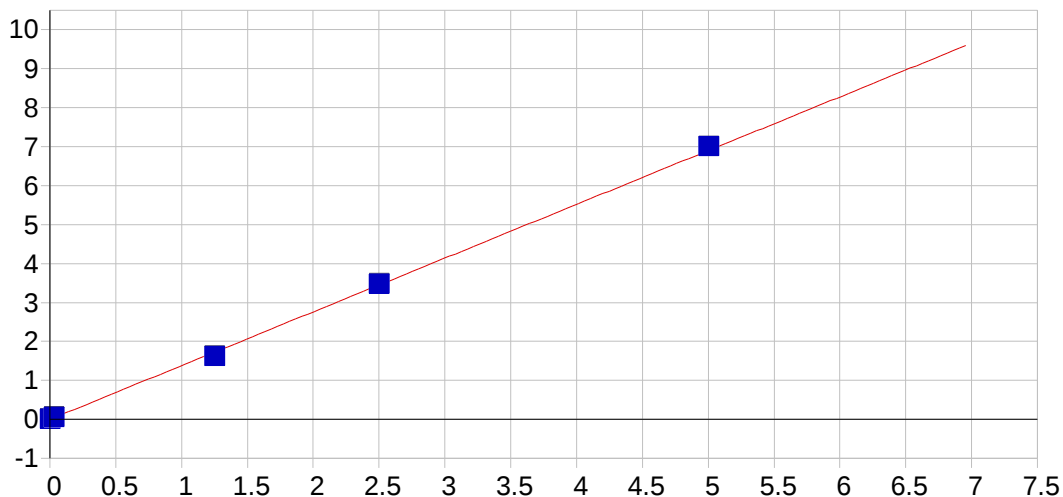
Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000252 Re-Slope: 1.000000  
 A1 (Gain): 0.270896 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999883  
 Std Error of Est: 0.000032  
 Predicted MDL: 0.000459  
 Predicted MQL: 0.001529

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00025 | .000    | 1        |
| S1        | .01000       | .01001      | .000       | .102    | .00248  | .000    | 1        |
| S3        | .50000       | .48761      | -.012      | -2.48   | .13292  | .000    | 1        |
| S4        | 1.0000       | 1.0219      | .022       | 2.19    | .27874  | .002    | 1        |
| S5        | 2.0000       | 1.9904      | -.010      | -.478   | .54327  | .003    | 1        |



Co 228.616 {447}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

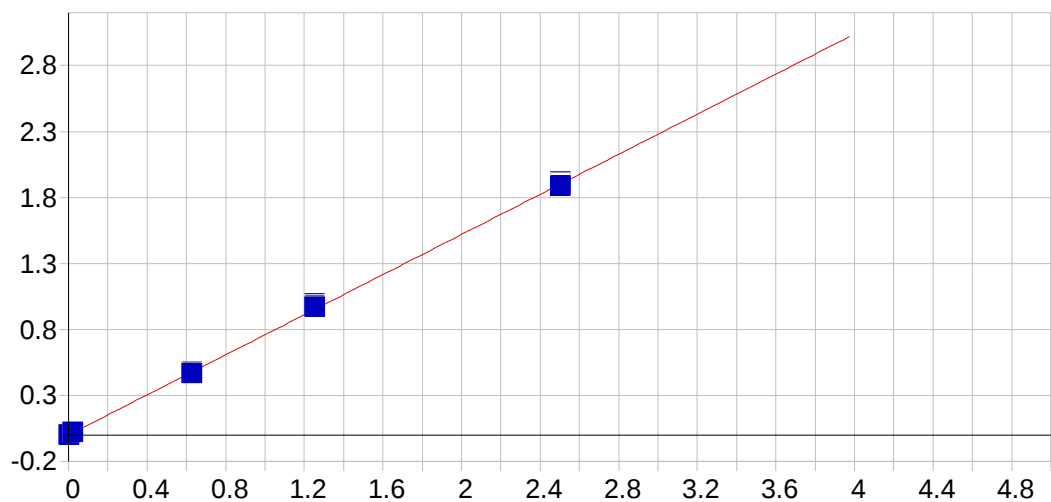
Weighting: 1/Conc

A0 (Offset): -0.000918  
 A1 (Gain): 1.379797  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999651  
 Std Error of Est: 0.000764  
 Predicted MDL: 0.000239  
 Predicted MQL: 0.000795

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    | -.00092 | .000    | 1        |
| S1        | .03000       | .03199      | .002       | 6.65    | .04295  | .001    | 1        |
| S3        | 1.2500       | 1.1707      | -.079      | -6.34   | 1.6158  | .001    | 1        |
| S4        | 2.5000       | 2.5086      | .009       | .344    | 3.4632  | .015    | 1        |
| S5        | 5.0000       | 5.0687      | .069       | 1.37    | 6.9983  | .008    | 1        |

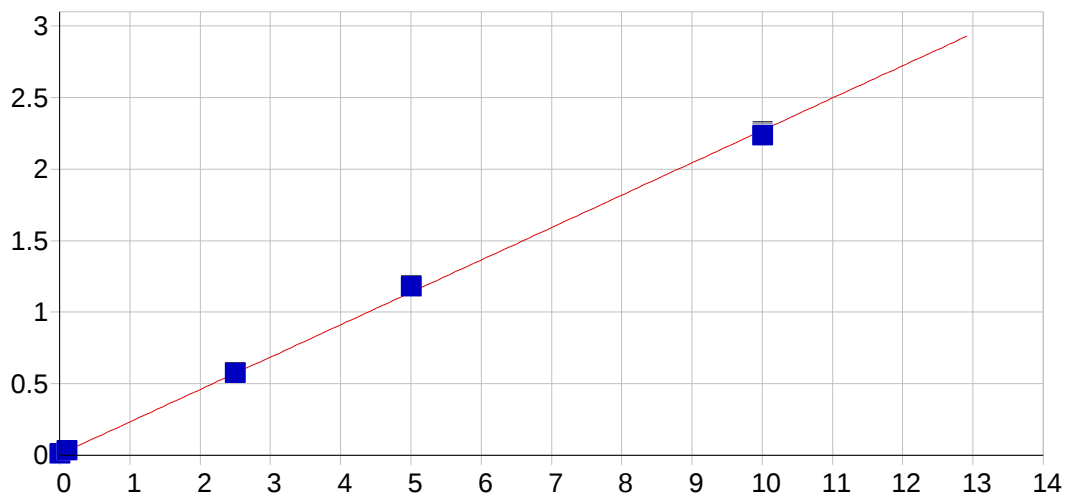


Cu 224.700 {450}

Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000004 Re-Slope: 1.000000  
 A1 (Gain): 0.759741 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999896 Status: OK.  
 Std Error of Est: 0.000135  
 Predicted MDL: 0.000526  
 Predicted MQL: 0.001755

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00000 | .000    | 1        |
| S1        | .02000       | .02122      | .001       | 6.09    | .01635  | .000    | 1        |
| S3        | .62500       | .61436      | -.011      | -1.70   | .47443  | .001    | 1        |
| S4        | 1.2500       | 1.2767      | .027       | 2.14    | .98534  | .006    | 1        |
| S5        | 2.5000       | 2.4827      | -.017      | -.693   | 1.9169  | .000    | 1        |



Fe 240.488 {140}

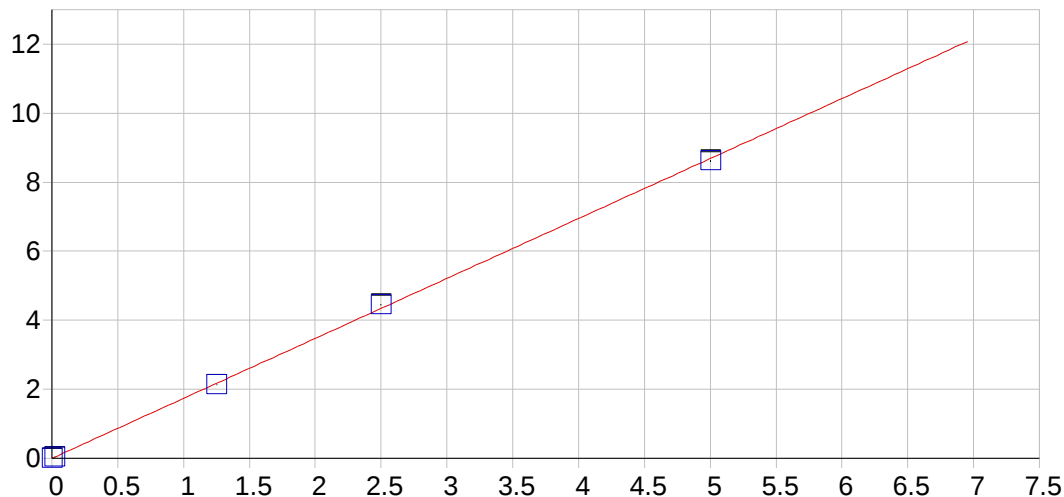
Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.007086 Re-Slope: 1.000000  
 A1 (Gain): 0.226351 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999749  
 Std Error of Est: 0.000276  
 Predicted MDL: 0.002696  
 Predicted MQL: 0.008986

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00708 | .000    | 1        |
| S1        | .10000       | .10736      | .007       | 7.36    | .03150 | .001    | 1        |
| S3        | 2.5000       | 2.4942      | -.006      | -.233   | .57449 | .001    | 1        |
| S4        | 5.0000       | 5.1665      | .166       | 3.33    | 1.1822 | .003    | 1        |
| S5        | 10.000       | 9.8320      | -.168      | -1.68   | 2.2439 | .013    | 1        |



Mn 257.610 {131}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

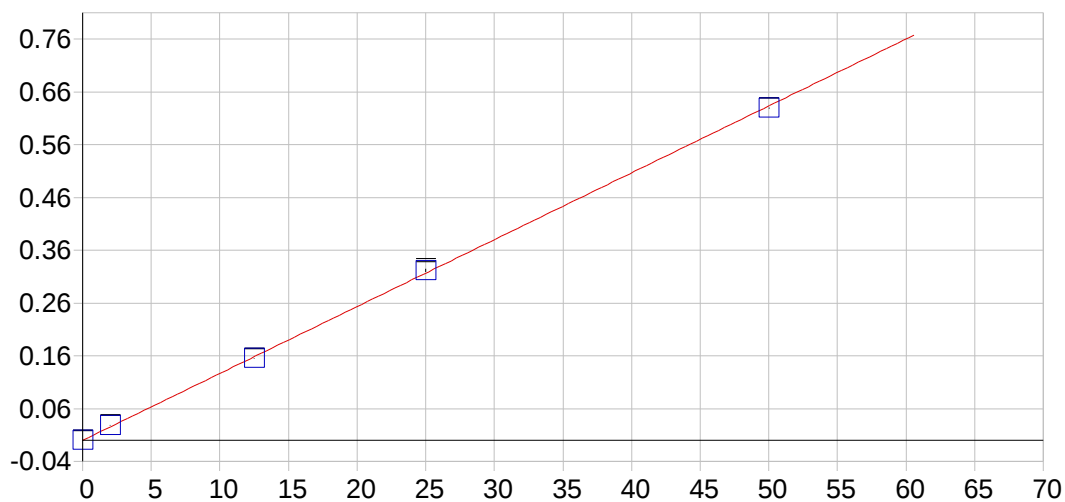
Weighting: 1/Conc

A0 (Offset): 0.000080  
 A1 (Gain): 1.737094  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999860  
 Std Error of Est: 0.000497  
 Predicted MDL: 0.000066  
 Predicted MQL: 0.000219

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00008 | .000    | 1        |
| S1        | .02000       | .02194      | .002       | 9.70    | .03819 | .000    | 1        |
| S3        | 1.2500       | 1.2267      | -.023      | -1.86   | 2.1310 | .004    | 1        |
| S4        | 2.5000       | 2.5614      | .061       | 2.46    | 4.4496 | .012    | 1        |
| S5        | 5.0000       | 4.9599      | -.040      | -.802   | 8.6159 | .023    | 1        |

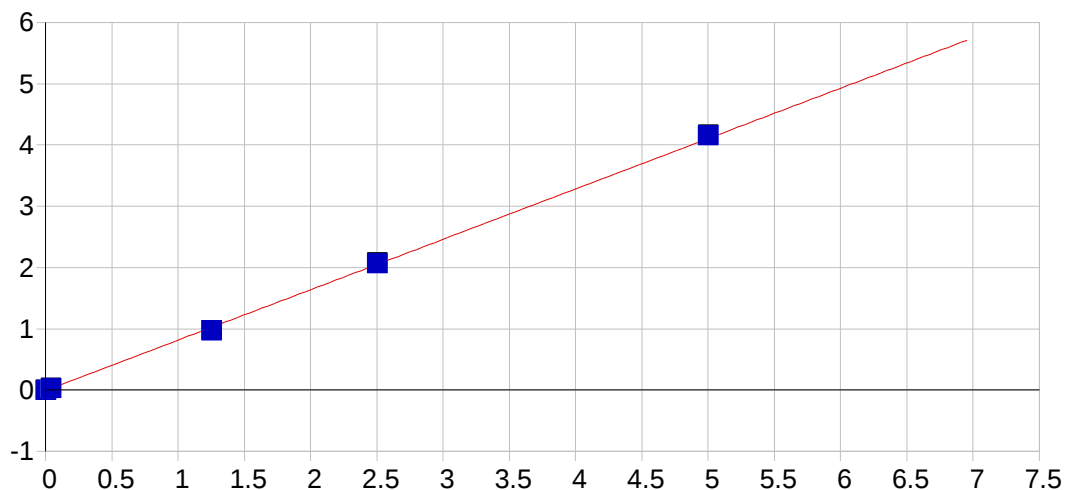


Mg 279.079 {121}

Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000147 Re-Slope: 1.000000  
 A1 (Gain): 0.012673 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999751 Status: OK.  
 Std Error of Est: 0.000154  
 Predicted MDL: 0.042248  
 Predicted MQL: 0.140827

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.2417      | .242       | 12.1    | .02826  | .000    | 1        |
| S0        | .00000       | -.00021     | -.000      | .000    | -.00015 | .000    | 1        |
| S3        | 12.500       | 12.217      | -.283      | -2.26   | .15468  | .000    | 1        |
| S4        | 25.000       | 25.398      | .398       | 1.59    | .32171  | .003    | 1        |
| S5        | 50.000       | 49.643      | -.357      | -.713   | .62897  | .000    | 1        |



Ni 231.604 {445}

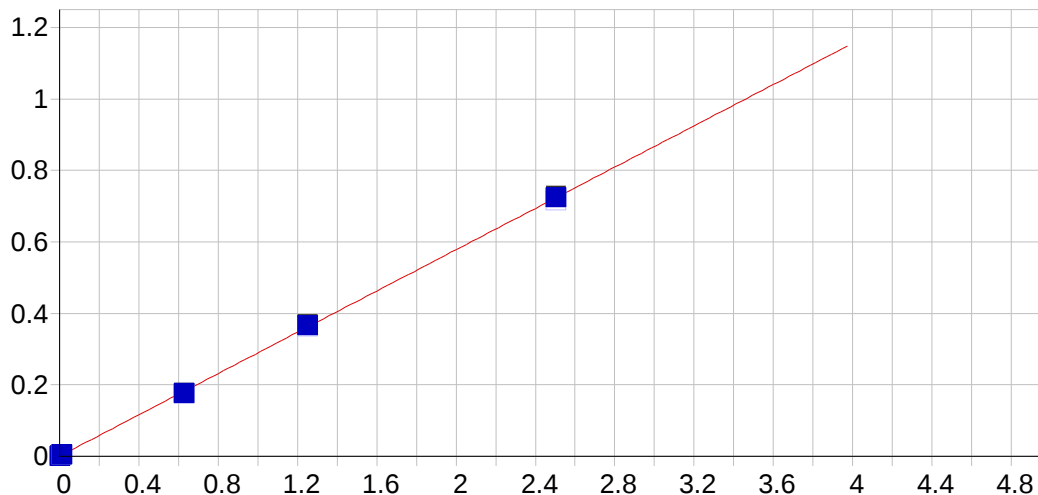
Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.007301 Re-Slope: 1.000000  
 A1 (Gain): 0.822554 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999722  
 Std Error of Est: 0.000470  
 Predicted MDL: 0.000423  
 Predicted MQL: 0.001409

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00730 | .000    | 1        |
| S1        | .04000       | .04205      | .002       | 5.12    | .02730  | .000    | 1        |
| S3        | 1.2500       | 1.1783      | -.072      | -5.73   | .96306  | .001    | 1        |
| S4        | 2.5000       | 2.5149      | .015       | .596    | 2.0636  | .010    | 1        |
| S5        | 5.0000       | 5.0547      | .055       | 1.09    | 4.1550  | .002    | 1        |



Ag 328.068 {103}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

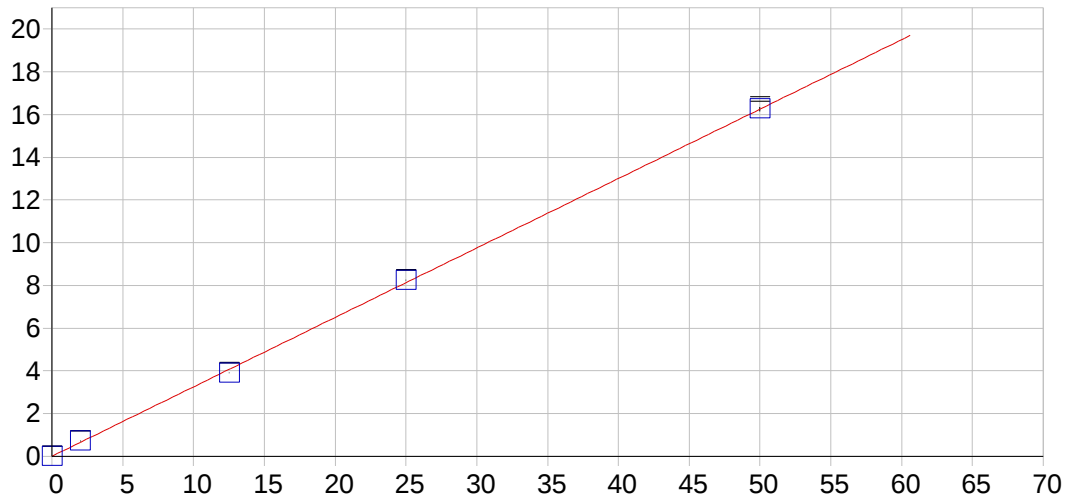
Weighting: 1/Conc

A0 (Offset): 0.000539  
 A1 (Gain): 0.288816  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999907  
 Std Error of Est: 0.000033  
 Predicted MDL: 0.000638  
 Predicted MQL: 0.002128

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    | .00054 | .000    | 1        |
| S1        | .01000       | .00957      | -.000      | -4.30   | .00324 | .000    | 1        |
| S3        | .62500       | .60612      | -.019      | -3.02   | .17352 | .000    | 1        |
| S4        | 1.2500       | 1.2659      | .016       | 1.27    | .36199 | .002    | 1        |
| S5        | 2.5000       | 2.5034      | .003       | .137    | .71526 | .003    | 1        |

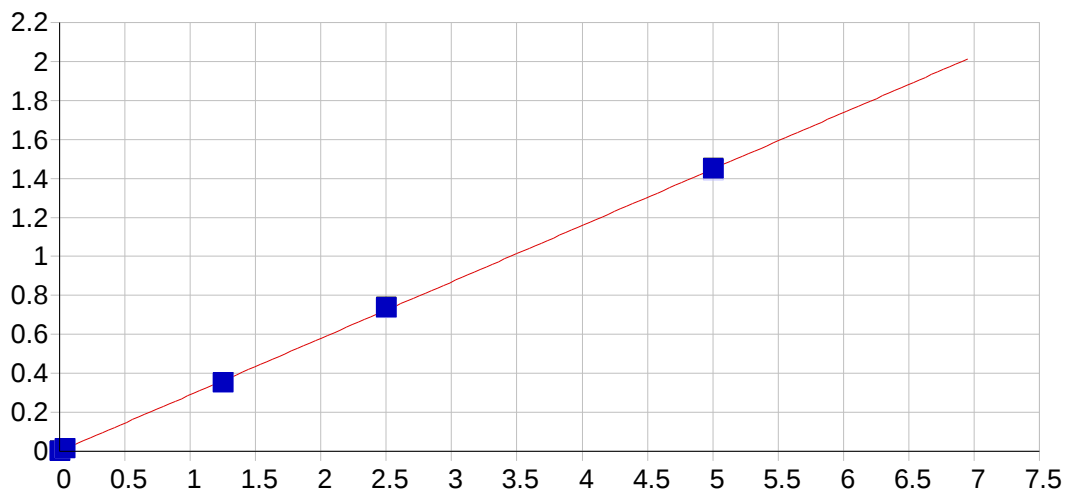


Na 589.592 { 57}

Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.005372 Re-Slope: 1.000000  
 A1 (Gain): 0.325030 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999764 Status: OK.  
 Std Error of Est: 0.003853  
 Predicted MDL: 0.011580  
 Predicted MQL: 0.038598

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1809      | .181       | 9.04    | .71422 | .004    | 1        |
| S0        | .00000       | -.00013     | -.000      | .000    | .00533 | .002    | 1        |
| S3        | 12.500       | 11.987      | -.513      | -4.11   | 3.9015 | .012    | 1        |
| S4        | 25.000       | 25.346      | .346       | 1.38    | 8.2436 | .019    | 1        |
| S5        | 50.000       | 49.986      | -.014      | -.027   | 16.252 | .101    | 1        |



V 292.402 {115}

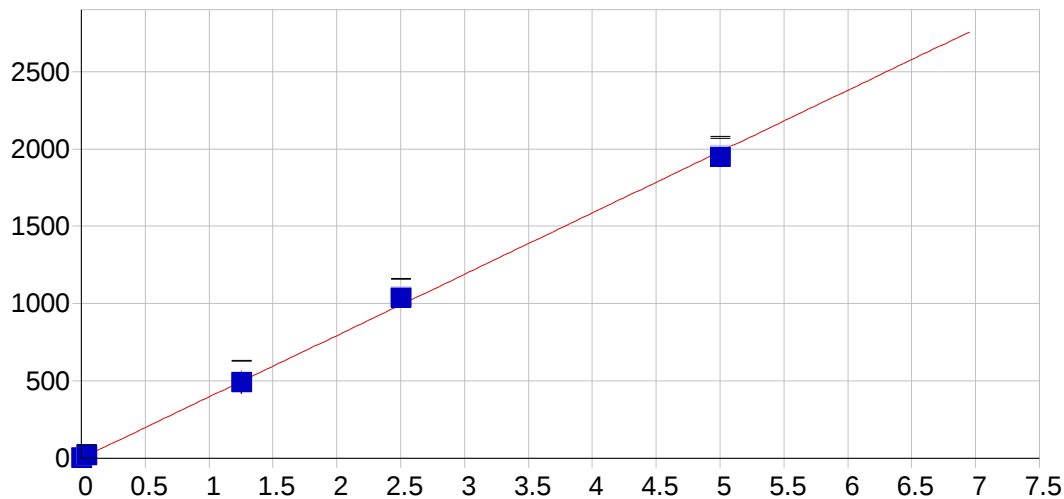
Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000598 Re-Slope: 1.000000  
 A1 (Gain): 0.289485 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999872  
 Std Error of Est: 0.000111  
 Predicted MDL: 0.000512  
 Predicted MQL: 0.001705

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00060 | .000    | 1        |
| S1        | .04000       | .04260      | .003       | 6.49    | .01275 | .000    | 1        |
| S3        | 1.2500       | 1.2092      | -.041      | -3.26   | .34828 | .001    | 1        |
| S4        | 2.5000       | 2.5425      | .043       | 1.70    | .73189 | .002    | 1        |
| S5        | 5.0000       | 4.9957      | -.004      | -.086   | 1.4373 | .005    | 1        |



Zn 206.200 {163}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

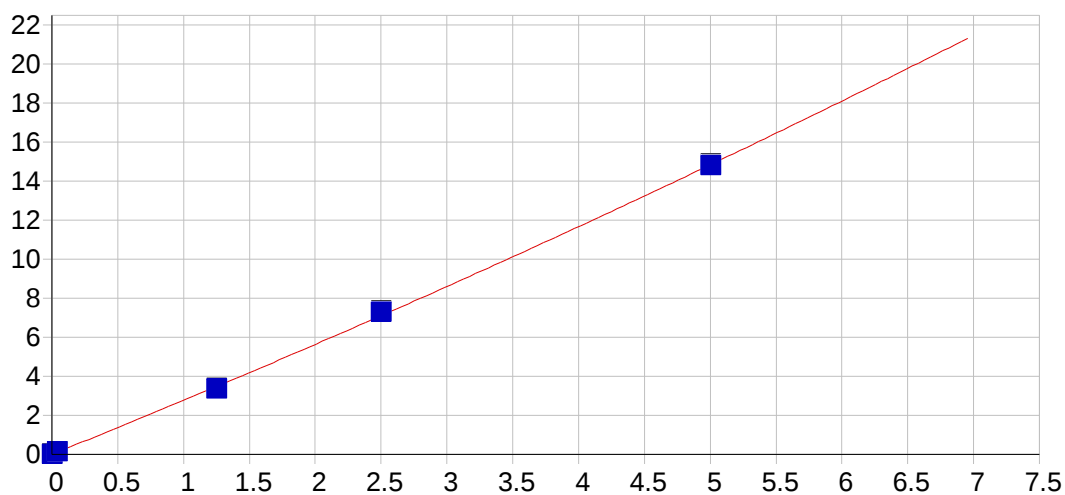
Weighting: 1/Conc

A0 (Offset): 0.675115  
 A1 (Gain): 396.369724  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999580  
 Std Error of Est: 0.279826  
 Predicted MDL: 0.000197  
 Predicted MQL: 0.000655

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    | .67349 | .123    | 1        |
| S1        | .04000       | .04367      | .004       | 9.18    | 18.089 | 2.96    | 1        |
| S3        | 1.2500       | 1.2322      | -.018      | -1.42   | 492.08 | 72.8    | 1        |
| S4        | 2.5000       | 2.6117      | .112       | 4.47    | 1041.9 | 55.9    | 1        |
| S5        | 5.0000       | 4.9024      | -.098      | -1.95   | 1955.8 | 60.2    | 1        |



Zn 213.856 {458}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Curvilinear

Weighting: 1/Conc

A0 (Offset): 0.003888

Re-Slope: 1.000000

A1 (Gain): 2.713989

Y-int: 0.000000

A2 (Curvature): 0.050566

n (Exponent): 1.000000

Correlation: 0.999839

Status:

Warning

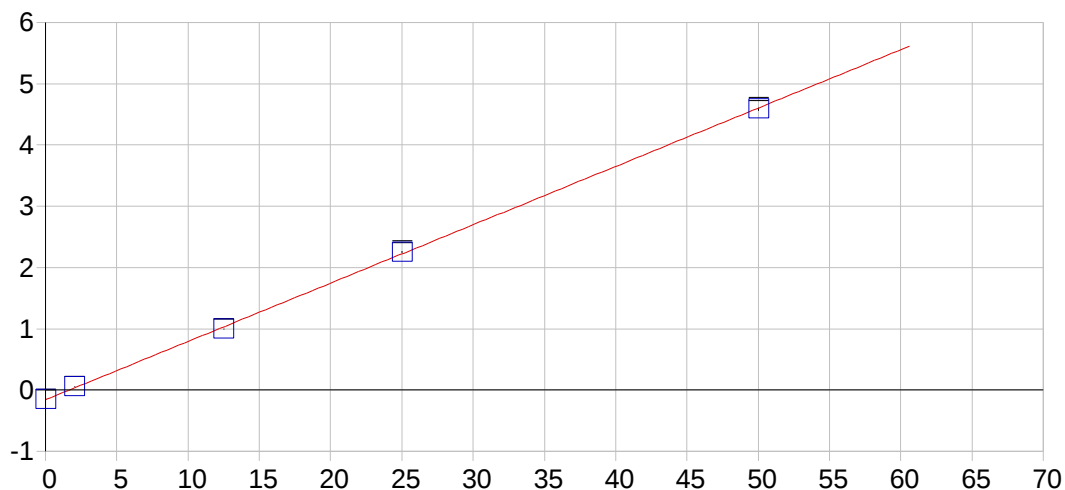
Positive Curvature

Std Error of Est: 0.001553

Predicted MDL: 0.000102

Predicted MQL: 0.000340

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00388 | .000    | 1        |
| S1        | .04000       | .04290      | .003       | 7.26    | .12113 | .002    | 1        |
| S3        | 1.2500       | 1.2080      | -.042      | -3.36   | 3.3766 | .005    | 1        |
| S4        | 2.5000       | 2.5550      | .055       | 2.20    | 7.3092 | .034    | 1        |
| S5        | 5.0000       | 4.9839      | -.016      | -.322   | 14.868 | .014    | 1        |



K 766.490 {44}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.158752

Re-Slope: 1.000000

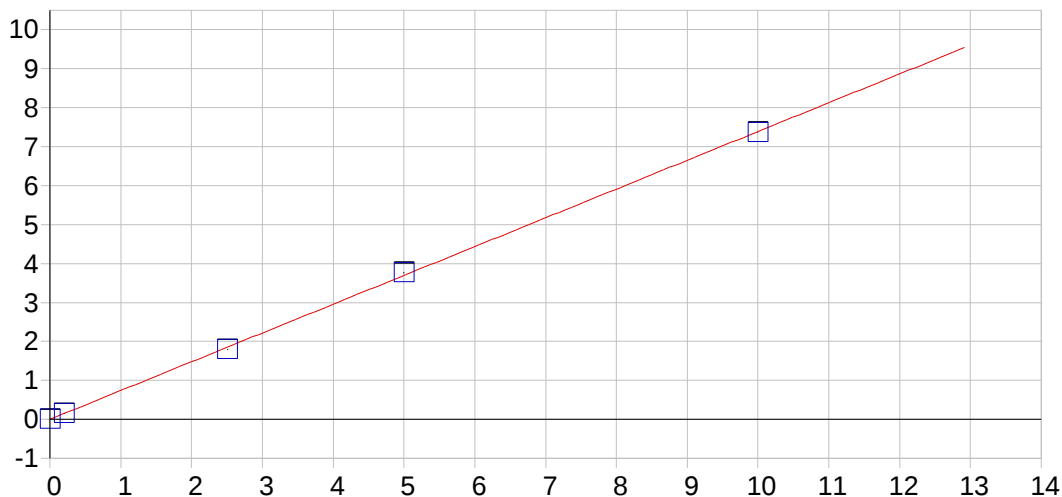
A1 (Gain): 0.095233

Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999768  
 Std Error of Est: 0.001121  
 Predicted MDL: 0.042662  
 Predicted MQL: 0.142206

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.2220      | .222       | 11.1    | .05286  | .002    | 1        |
| S0        | .00000       | -.00018     | -.000      | .000    | -.15877 | .004    | 1        |
| S3        | 12.500       | 12.116      | -.384      | -3.07   | .99513  | .004    | 1        |
| S4        | 25.000       | 25.337      | .337       | 1.35    | 2.2542  | .013    | 1        |
| S5        | 50.000       | 49.824      | -.176      | -.352   | 4.5862  | .024    | 1        |



Mo 202.030 {467}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

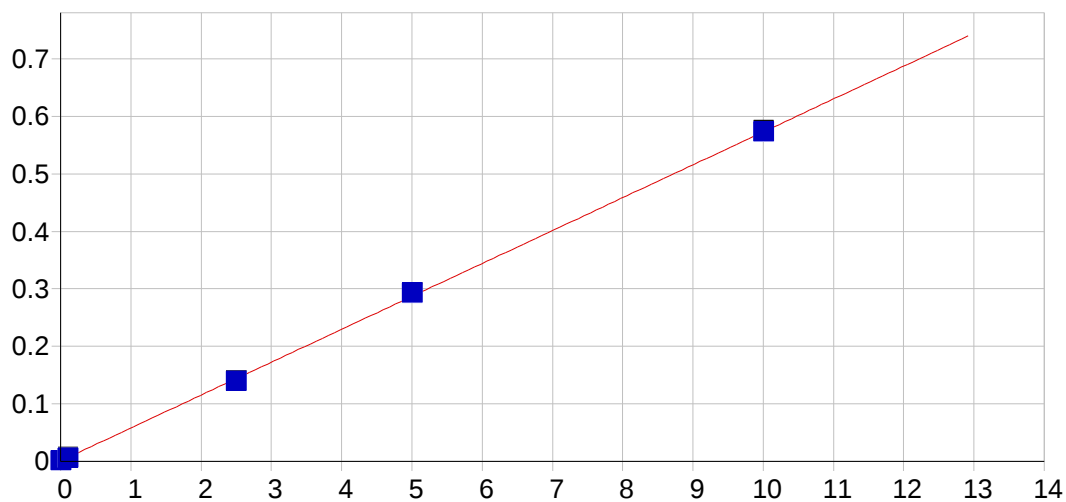
Weighting: 1/Conc

A0 (Offset): 0.000151  
 A1 (Gain): 0.738892  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999893  
 Std Error of Est: 0.000829  
 Predicted MDL: 0.000317  
 Predicted MQL: 0.001056

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00015 | .000    | 1        |
| S1        | .20000       | .20646      | .006       | 3.23    | .15270 | .002    | 1        |
| S3        | 2.5000       | 2.4324      | -.068      | -2.70   | 1.7974 | .002    | 1        |
| S4        | 5.0000       | 5.0909      | .091       | 1.82    | 3.7618 | .021    | 1        |
| S5        | 10.000       | 9.9703      | -.030      | -.297   | 7.3671 | .004    | 1        |



B 249.678 {135}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000881

Re-Slope: 1.000000

A1 (Gain): 0.057190

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999833

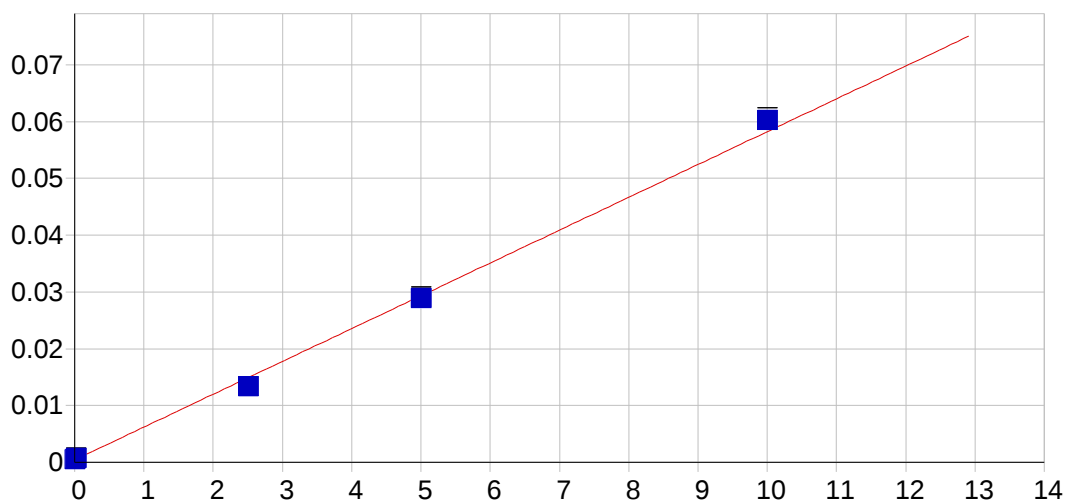
Status: OK.

Std Error of Est: 0.000056

Predicted MDL: 0.007949

Predicted MQL: 0.026498

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00088 | .000    | 1        |
| S1        | .10000       | .08845      | -.012      | -11.6   | .00591 | .001    | 1        |
| S3        | 2.5000       | 2.4163      | -.084      | -3.35   | .13873 | .001    | 1        |
| S4        | 5.0000       | 5.0924      | .092       | 1.85    | .29145 | .001    | 1        |
| S5        | 10.000       | 10.003      | .003       | .028    | .57160 | .002    | 1        |



S 182.034 {485}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000421

Re-Slope: 1.000000

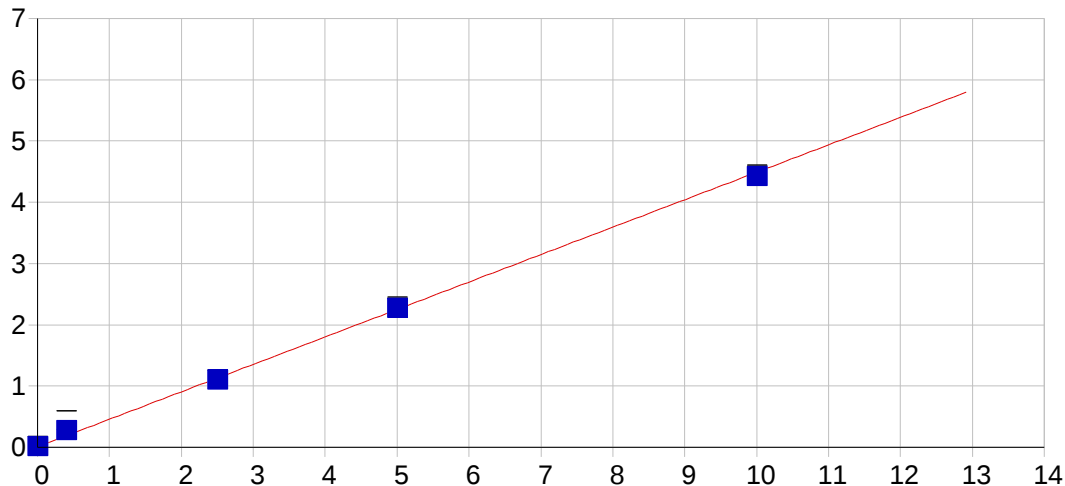
A1 (Gain): 0.005780

Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998257  
 Std Error of Est: 0.000008  
 Predicted MDL: 0.020759  
 Predicted MQL: 0.069196

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00042 | .000    | 1        |
| S1        | .02000       | .03867      | .019       | 93.4    | .00064 | .000    | 1        |
| S3        | 2.5000       | 2.2257      | -.274      | -11.0   | .01327 | .000    | 1        |
| S4        | 5.0000       | 4.9106      | -.089      | -1.79   | .02877 | .000    | 1        |
| S5        | 10.000       | 10.346      | .346       | 3.46    | .06015 | .000    | 1        |



Si 288.158 {117}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

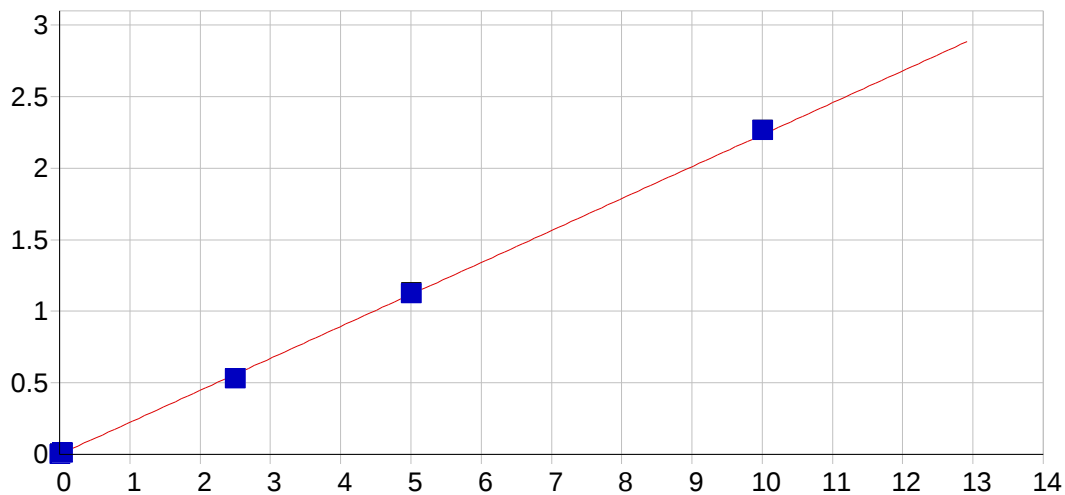
Weighting: 1/Conc

A0 (Offset): 0.010403  
 A1 (Gain): 0.447957  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.997211  
 Std Error of Est: 0.003658  
 Predicted MDL: 0.002777  
 Predicted MQL: 0.009255

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       | -.00018     | -.000      | .000    | .01032 | .000    | 1        |
| S1        | .40000       | .59434      | .194       | 48.6    | .27649 | .151    | 1        |
| S3        | 2.5000       | 2.4164      | -.084      | -3.35   | 1.0922 | .008    | 1        |
| S4        | 5.0000       | 5.0453      | .045       | .905    | 2.2693 | .013    | 1        |
| S5        | 10.000       | 9.8441      | -.156      | -1.56   | 4.4178 | .024    | 1        |

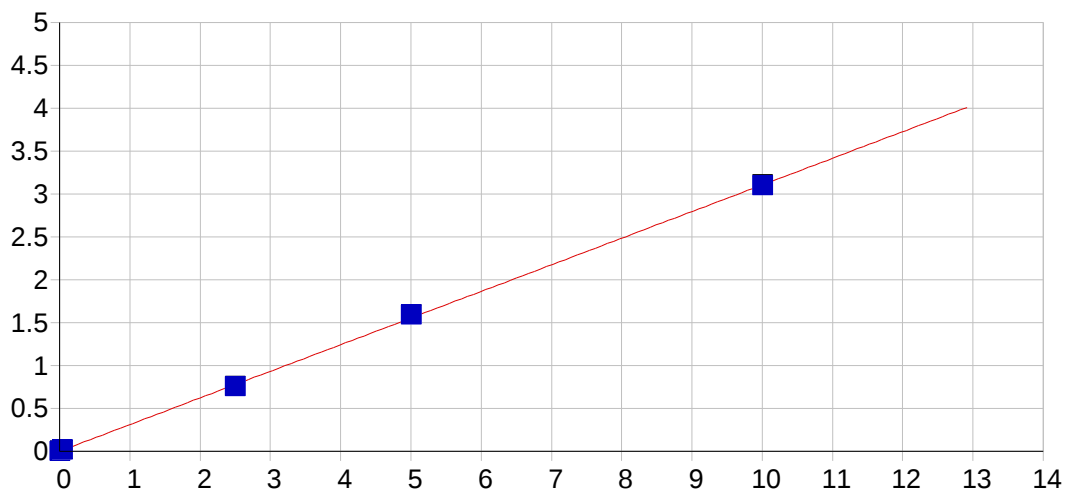


Sn 189.989 {477}

Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000874 Re-Slope: 1.000000  
 A1 (Gain): 0.223350 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999714 Status: OK.  
 Std Error of Est: 0.000182  
 Predicted MDL: 0.000708  
 Predicted MQL: 0.002362

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00087 | .000    | 1        |
| S1        | .04000       | .04173      | .002       | 4.32    | .01019 | .000    | 1        |
| S3        | 2.5000       | 2.3552      | -.145      | -5.79   | .52700 | .002    | 1        |
| S4        | 5.0000       | 5.0221      | .022       | .443    | 1.1228 | .006    | 1        |
| S5        | 10.000       | 10.121      | .121       | 1.21    | 2.2618 | .003    | 1        |



Ti 336.121 {100}

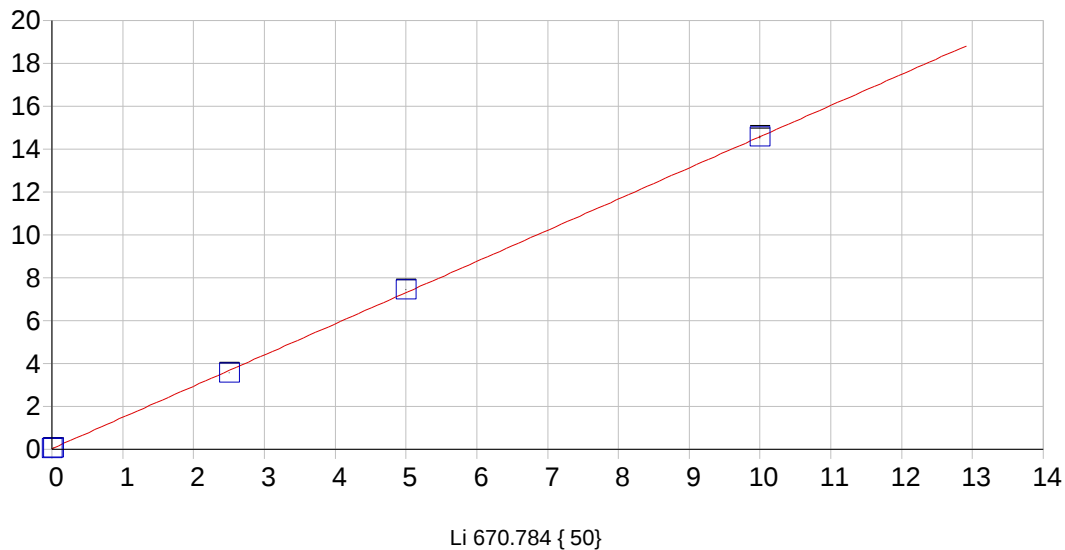
Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001358 Re-Slope: 1.000000  
 A1 (Gain): 0.310464 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999835  
 Std Error of Est: 0.000193  
 Predicted MDL: 0.002596  
 Predicted MQL: 0.008654

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00136 | .001    | 1        |
| S1        | .04000       | .04477      | .005       | 11.9    | .01525 | .000    | 1        |
| S3        | 2.5000       | 2.4182      | -.082      | -3.27   | .75203 | .002    | 1        |
| S4        | 5.0000       | 5.1103      | .110       | 2.21    | 1.5877 | .005    | 1        |
| S5        | 10.000       | 9.9667      | -.033      | -.333   | 3.0953 | .009    | 1        |



Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

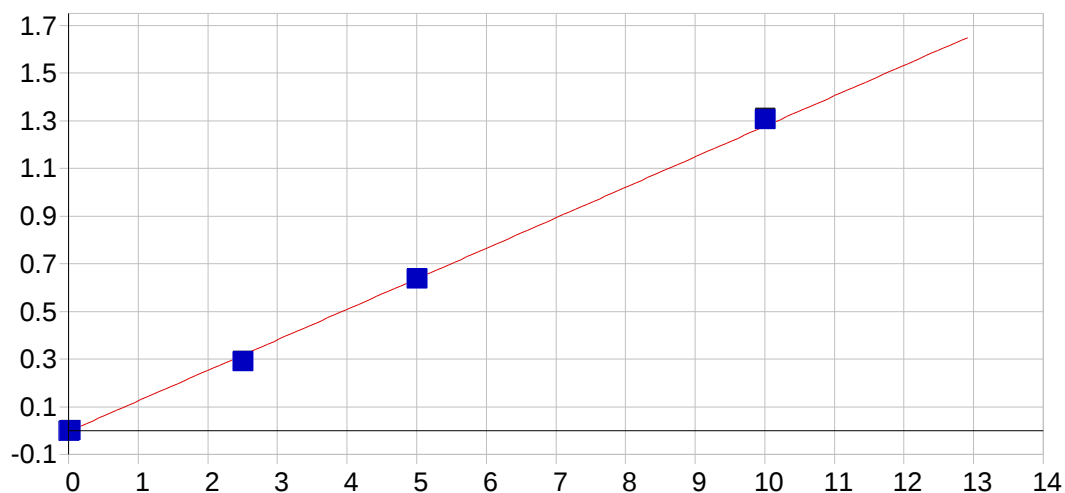
Weighting: 1/Conc

A0 (Offset): 0.033996  
 A1 (Gain): 1.454772  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999875  
 Std Error of Est: 0.000556  
 Predicted MDL: 0.002759  
 Predicted MQL: 0.009197

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    | .03400 | .001    | 1        |
| S1        | .02000       | .01890      | -.001      | -5.48   | .06150 | .001    | 1        |
| S3        | 2.5000       | 2.4190      | -.081      | -3.24   | 3.5531 | .015    | 1        |
| S4        | 5.0000       | 5.0919      | .092       | 1.84    | 7.4415 | .012    | 1        |
| S5        | 10.000       | 9.9902      | -.010      | -.098   | 14.567 | .057    | 1        |

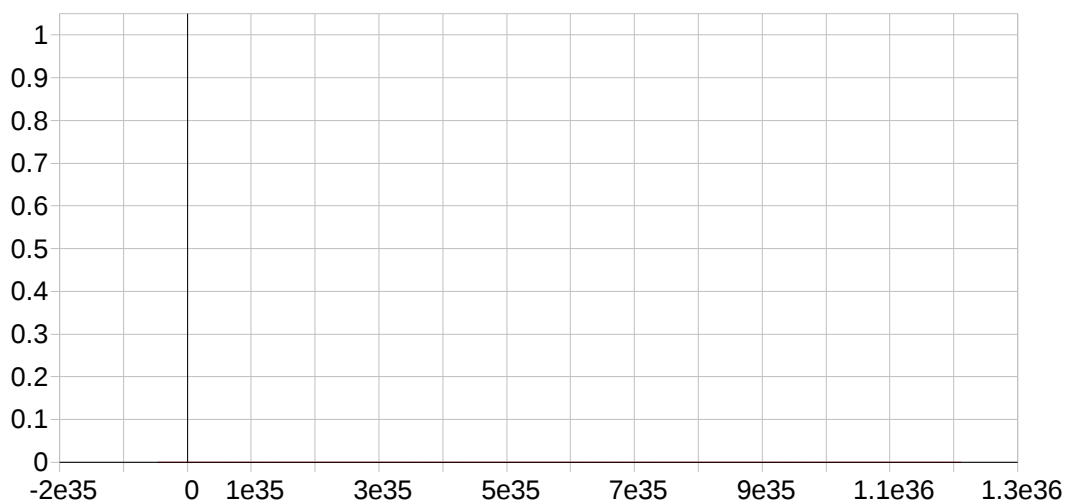


P 177.495 {490}

Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.003468 Re-Slope: 1.000000  
 A1 (Gain): 0.127977 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999292 Status: OK.  
 Std Error of Est: 0.000116  
 Predicted MDL: 0.001351  
 Predicted MQL: 0.004504

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00347 | .000    | 1        |
| S1        | .02000       | .01822      | -.002      | -8.91   | -.00115 | .000    | 1        |
| S3        | 2.5000       | 2.2800      | -.220      | -8.80   | .28785  | .001    | 1        |
| S4        | 5.0000       | 4.9929      | -.007      | -.142   | .63458  | .001    | 1        |
| S5        | 10.000       | 10.229      | .229       | 2.29    | 1.3037  | .003    | 1        |



Y 224.306 {450}\*

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

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

Status:      Warning      Zero Gain

$$Y\ 360.073\ \{94\}^*$$

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| 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  |
| Std Error of Est: | 0.000000 |           |          |
| Predicted MDL:    | n/a      |           |          |
| Predicted MQL:    | n/a      |           |          |

Status:      Warning      Zero Gain





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

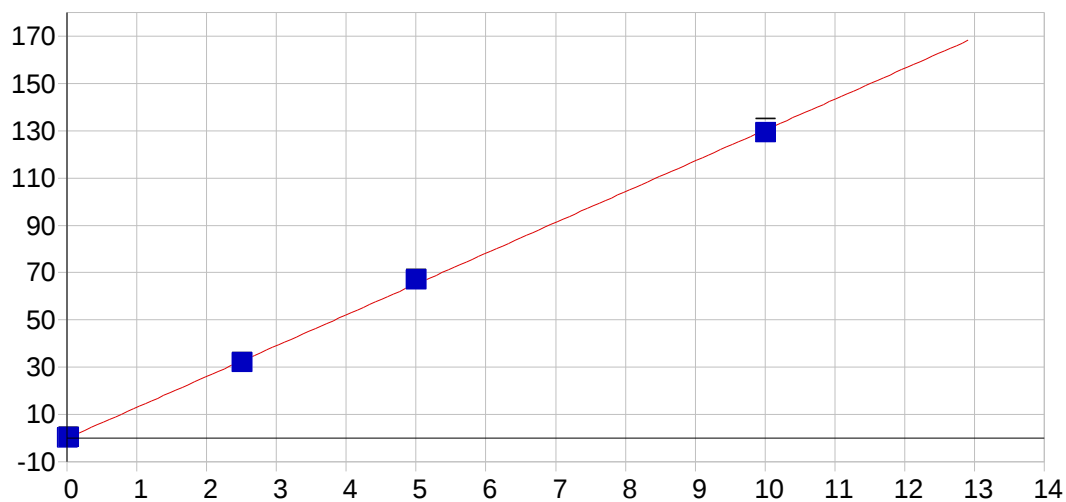
Status: Warning Zero Gain

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: 2/1/2019 15:39:10

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.010985

Re-Slope: 1.000000

A1 (Gain): 13.029823

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999827

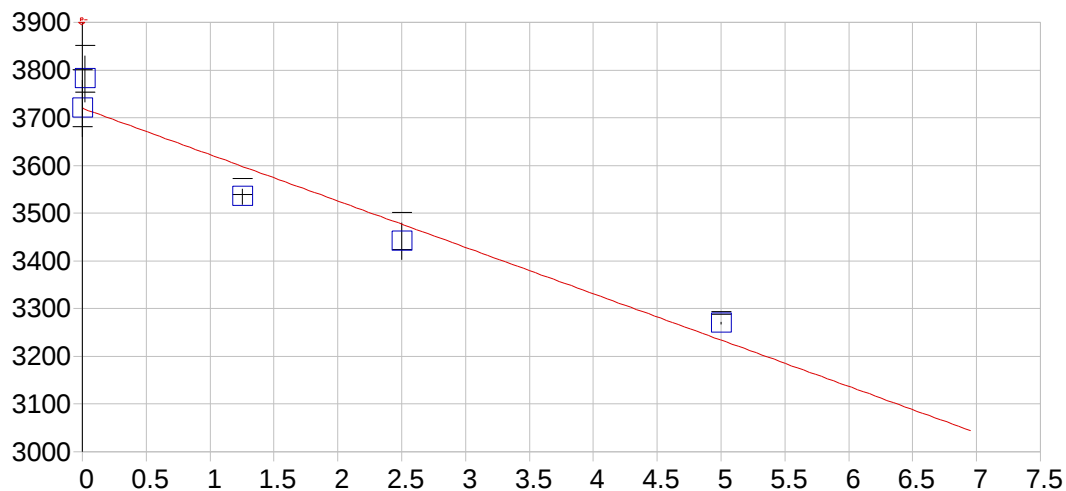
Status: OK.

Std Error of Est: 0.005867

Predicted MDL: 0.000119

Predicted MQL: 0.000398

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.01099 | .000    | 1        |
| S1        | .02000       | .02007      | .000       | .334    | .25192  | .003    | 1        |
| S3        | 2.5000       | 2.4444      | -.056      | -2.22   | 31.876  | .171    | 1        |
| S4        | 5.0000       | 5.1430      | .143       | 2.86    | 67.073  | .188    | 1        |
| S5        | 10.000       | 9.9125      | -.087      | -.875   | 129.29  | 1.66    | 1        |

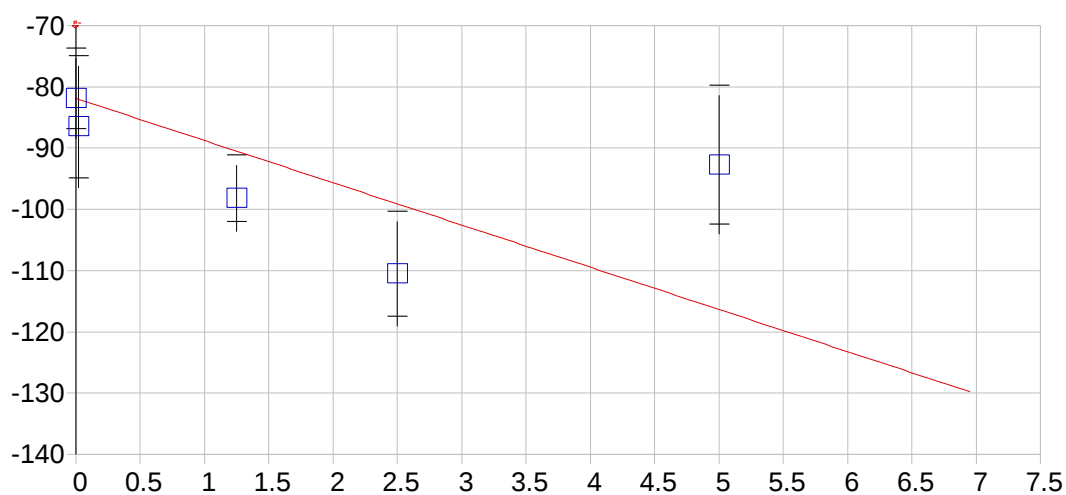


U 367.007 { 92}

Date of Fit: 2/1/2019 15:39:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 3719.898455 Re-Slope: 1.000000  
A1 (Gain): -97.155619 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.534785 Status: Warning Negative Gain  
Std Error of Est: 2.623298  
Predicted MDL: n/a  
Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00064      | .001       | .000    | 3719.8 | 59.6    | 1        |
| S1        | .02000       | -.63500     | -.655      | -3270.  | 3781.6 | 48.9    | 1        |
| S3        | 1.2500       | 1.9042      | .654       | 52.3    | 3534.9 | 16.8    | 1        |
| S4        | 2.5000       | 2.8653      | .365       | 14.6    | 3441.5 | 39.3    | 1        |
| S5        | 5.0000       | 4.6354      | -.365      | -7.29   | 3269.5 | 2.35    | 1        |



U 385.958 { 87}

Date of Fit: 2/1/2019 15:39:10

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -81.883336

Re-Slope: 1.000000

A1 (Gain): -6.890932

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.504336

Status: Warning Negative Gain

Std Error of Est: 0.201619

Predicted MDL: n/a

Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00067     | -.001      | .000    | -81.879 | 6.58    | 1        |
| S1        | .02000       | .67181      | .652       | 3260.   | -86.513 | 9.98    | 1        |
| S3        | 1.2500       | 2.3646      | 1.11       | 89.2    | -98.177 | 5.45    | 1        |
| S4        | 2.5000       | 4.1598      | 1.66       | 66.4    | -110.55 | 8.60    | 1        |
| S5        | 5.0000       | 1.5738      | -3.43      | -68.5   | -92.729 | 11.3    | 1        |

Sample Name: S0      Acquired: 2/1/2019 14:24:23      Type: Cal  
Method: P4-ICP2(v2820)      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    | -.00015 | -.00020 | .00720 | .00024 | .00155 | .00010 | .24624 | .00023 |
| Stddev | .00013  | .00013  | .00017 | .00022 | .00024 | .00007 | .00187 | .00005 |
| %RSD   | 84.718  | 67.834  | 2.3230 | 93.209 | 15.595 | 67.116 | .75990 | 19.882 |

|    |         |         |        |         |        |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|--------|
| #1 | -.00025 | -.00005 | .00732 | .00029  | .00160 | .00010 | .24526 | .00023 |
| #2 | -.00020 | -.00030 | .00701 | -.00000 | .00177 | .00003 | .24840 | .00019 |
| #3 | -.00001 | -.00024 | .00727 | .00044  | .00129 | .00016 | .24506 | .00028 |

|        |         |        |         |         |         |        |        |         |
|--------|---------|--------|---------|---------|---------|--------|--------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | Cts/S   | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S  | Cts/S  | Cts/S   |
| Avg    | -.00339 | .00071 | -.00025 | -.00092 | -.00000 | .00708 | .00008 | -.00015 |
| Stddev | .00032  | .00060 | .00007  | .00021  | .00036  | .00035 | .00004 | .00050  |
| %RSD   | 9.5640  | 84.761 | 27.327  | 22.668  | 7639.0  | 4.9244 | 51.667 | 332.79  |

|    |         |        |         |         |         |        |        |         |
|----|---------|--------|---------|---------|---------|--------|--------|---------|
| #1 | -.00308 | .00099 | -.00028 | -.00104 | -.00034 | .00679 | .00012 | -.00071 |
| #2 | -.00372 | .00002 | -.00017 | -.00103 | .00037  | .00747 | .00004 | .00005  |
| #3 | -.00337 | .00112 | -.00030 | -.00068 | -.00004 | .00699 | .00008 | .00022  |

|        |         |        |        |        |        |         |        |        |
|--------|---------|--------|--------|--------|--------|---------|--------|--------|
| 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    | -.00730 | .00054 | .00533 | .00060 | .00388 | -.15877 | .00015 | .00088 |
| Stddev | .00016  | .00007 | .00223 | .00023 | .00019 | .00367  | .00018 | .00028 |
| %RSD   | 2.2211  | 12.700 | 41.845 | 38.887 | 4.7870 | 2.3120  | 120.05 | 31.617 |

|    |         |        |        |        |        |         |         |        |
|----|---------|--------|--------|--------|--------|---------|---------|--------|
| #1 | -.00717 | .00046 | .00791 | .00086 | .00395 | -.15481 | .00022  | .00120 |
| #2 | -.00748 | .00059 | .00396 | .00045 | .00403 | -.16207 | -.00005 | .00077 |
| #3 | -.00725 | .00056 | .00413 | .00047 | .00367 | -.15943 | .00028  | .00067 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 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    | .00042 | .01032 | .00087 | .00136 | .03400 | -.0035 | -.01099 | 3719.8 |
| Stddev | .00008 | .00036 | .00004 | .00054 | .00137 | .0001  | .00026  | 59.6   |
| %RSD   | 19.030 | 3.4467 | 4.8897 | 39.807 | 4.0408 | 2.207  | 2.3446  | 1.6018 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00048 | .01040 | .00090 | .00080 | .03485 | -.0034 | -.01120 | 3691.4 |
| #2 | .00046 | .01063 | .00090 | .00188 | .03241 | -.0035 | -.01070 | 3679.8 |
| #3 | .00033 | .00994 | .00083 | .00139 | .03473 | -.0035 | -.01105 | 3788.3 |

Sample Name: S0      Acquired: 2/1/2019 14:24:23      Type: Cal  
 Method: P4-ICP2(v2820)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -81.879 |
| Stddev | 6.581   |
| %RSD   | 8.0380  |

|    |         |
|----|---------|
| #1 | -85.233 |
| #2 | -86.107 |
| #3 | -74.296 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2952.2 | 35520. | 3564.8 | 10.902 | 3229.1 |
| Stddev    | 17.3   | 177.   | 14.8   | 1.783  | 15.0   |
| %RSD      | .58734 | .49925 | .41624 | 16.359 | .46456 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2933.4 | 35484. | 3575.8 | 9.2182 | 3212.3 |
| #2 | 2955.5 | 35364. | 3547.9 | 12.770 | 3233.9 |
| #3 | 2967.6 | 35713. | 3570.7 | 10.716 | 3241.1 |

Sample Name: S1      Acquired: 2/1/2019 14:28:46      Type: Cal  
Method: P4-ICP2(v2820)      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    | .00124 | .00537 | .01176 | .00176 | .01042 | .00121 | .31780 | .00747 |
| Stddev | .00017 | .00007 | .00025 | .00026 | .00020 | .00008 | .00252 | .00009 |
| %RSD   | 13.452 | 1.3156 | 2.1659 | 14.644 | 1.8799 | 6.2931 | .79373 | 1.2465 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00124 | .00530 | .01154 | .00202 | .01025 | .00129 | .31854 | .00736 |
| #2 | .00107 | .00544 | .01204 | .00150 | .01038 | .00119 | .31987 | .00753 |
| #3 | .00140 | .00538 | .01171 | .00175 | .01064 | .00114 | .31499 | .00752 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01823 | .00248 | .04295 | .01635 | .03150 | .03819 | .02730 | .00324 |
| Stddev | .00059 | .00007 | .00061 | .00039 | .00065 | .00008 | .00015 | .00002 |
| %RSD   | 3.2559 | 2.7919 | 1.4198 | 2.3986 | 2.0495 | .21443 | .54452 | .61076 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01769 | .00250 | .04262 | .01670 | .03218 | .03810 | .02723 | .00324 |
| #2 | .01813 | .00253 | .04257 | .01643 | .03142 | .03826 | .02721 | .00327 |
| #3 | .01886 | .00240 | .04365 | .01593 | .03089 | .03822 | .02747 | .00323 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01275 | .12113 | .15270 | .00591 | .00064 | .27649 | .01019 | .01525 |
| Stddev | .00013 | .00166 | .00158 | .00061 | .00009 | .15135 | .00006 | .00041 |
| %RSD   | .98766 | 1.3722 | 1.0336 | 10.345 | 14.024 | 54.738 | .59943 | 2.7206 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01261 | .11973 | .15150 | .00639 | .00074 | .19097 | .01021 | .01569 |
| #2 | .01279 | .12071 | .15213 | .00522 | .00062 | .45124 | .01013 | .01519 |
| #3 | .01285 | .12297 | .15449 | .00613 | .00056 | .18726 | .01025 | .01487 |

|        |        |        |        |        |         |
|--------|--------|--------|--------|--------|---------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |
| Avg    | .06150 | -.0011 | .25192 | 3781.6 | -86.513 |
| Stddev | .00081 | .0001  | .00349 | 48.9   | 9.979   |
| %RSD   | 1.3219 | 12.96  | 1.3852 | 1.2935 | 11.534  |

|    |        |        |        |        |         |
|----|--------|--------|--------|--------|---------|
| #1 | .06240 | -.0010 | .25591 | 3750.6 | -96.550 |
| #2 | .06082 | -.0013 | .25041 | 3756.2 | -86.394 |
| #3 | .06128 | -.0011 | .24943 | 3838.0 | -76.594 |

Sample Name: S1      Acquired: 2/1/2019 14:28:46      Type: Cal  
Method: P4-ICP2(v2820)      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       | 2967.9 | 35912. | 3656.3 | 10.457 | 3218.0 |
| Stddev    | 13.7   | 208.   | 46.8   | 1.588  | 6.8    |
| %RSD      | .46057 | .58016 | 1.2812 | 15.188 | .21057 |
| #1        | 2952.7 | 35743. | 3623.3 | 11.214 | 3211.5 |
| #2        | 2971.8 | 35848. | 3635.8 | 8.6318 | 3217.4 |
| #3        | 2979.2 | 36145. | 3709.9 | 11.525 | 3225.0 |

Sample Name: S2      Acquired: 2/1/2019 14:33:13      Type: Cal  
Method: P4-ICP2(v2820)      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    | .13371 | .02826 | .71422 | .05286 |
| Stddev | .00155 | .00035 | .00389 | .00244 |
| %RSD   | 1.1567 | 1.2518 | .54437 | 4.6125 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .13549 | .02808 | .71791 | .05435 |
| #2 | .13279 | .02804 | .71458 | .05004 |
| #3 | .13285 | .02867 | .71016 | .05417 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 3661.1 |
| Stddev    | 18.9   |
| %RSD      | .51489 |

|    |        |
|----|--------|
| #1 | 3643.3 |
| #2 | 3659.2 |
| #3 | 3680.8 |

Sample Name: S3      Acquired: 2/1/2019 14:37:30      Type: Cal  
Method: P4-ICP2(v2820)      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    | .16052 | .31070 | .90717 | .19441 | .38996 | .05162 | 3.7870 | .14961 |
| Stddev | .00030 | .00061 | .00054 | .00081 | .00060 | .00023 | .0132  | .00059 |
| %RSD   | .18393 | .19697 | .05986 | .41872 | .15453 | .43853 | .34935 | .39398 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .16084 | .31038 | .90742 | .19534 | .38927 | .05137 | 3.7906 | .14952 |
| #2 | .16026 | .31031 | .90654 | .19406 | .39022 | .05167 | 3.7723 | .14907 |
| #3 | .16045 | .31140 | .90754 | .19383 | .39039 | .05181 | 3.7980 | .15024 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 4.4359 | .73751 | .13292 | 1.6158 | .47443 | .57449 | 2.1310 | .15468 |
| Stddev | .0069  | .00414 | .00024 | .0012  | .00130 | .00128 | .0036  | .00049 |
| %RSD   | .15464 | .56089 | .17906 | .07683 | .27386 | .22223 | .16980 | .31836 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.4438 | .73394 | .13299 | 1.6168 | .47547 | .57409 | 2.1309 | .15412 |
| #2 | 4.4314 | .74205 | .13265 | 1.6144 | .47297 | .57346 | 2.1275 | .15506 |
| #3 | 4.4326 | .73655 | .13311 | 1.6162 | .47484 | .57592 | 2.1347 | .15485 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .96306 | .17352 | 3.9015 | .34828 | 3.3766 | .99513 | 1.7974 | .13873 |
| Stddev | .00098 | .00045 | .0119  | .00051 | .0051  | .00371 | .0021  | .00100 |
| %RSD   | .10184 | .26132 | .30573 | .14624 | .15221 | .37259 | .11840 | .71852 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .96409 | .17400 | 3.8936 | .34831 | 3.3820 | .99204 | 1.7997 | .13765 |
| #2 | .96297 | .17310 | 3.8956 | .34776 | 3.3761 | .99411 | 1.7971 | .13894 |
| #3 | .96213 | .17347 | 3.9152 | .34878 | 3.3718 | .99924 | 1.7955 | .13961 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01327 | 1.0922 | .52700 | .75203 | 3.5531 | .2878  | 31.876 | 3534.9 |
| Stddev | .00004 | .0081  | .00150 | .00155 | .0150  | .0007  | .171   | 16.9   |
| %RSD   | .28546 | .74540 | .28477 | .20619 | .42250 | .2552  | .53521 | .47667 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .01323 | 1.1016 | .52839 | .75053 | 3.5441 | .2886 | 31.809 | 3550.6 |
| #2 | .01328 | 1.0872 | .52721 | .75363 | 3.5447 | .2872 | 31.748 | 3536.9 |
| #3 | .01330 | 1.0879 | .52541 | .75194 | 3.5704 | .2877 | 32.069 | 3517.1 |

Sample Name: S3      Acquired: 2/1/2019 14:37:30      Type: Cal  
 Method: P4-ICP2(v2820)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -98.177 |
| Stddev | 5.448   |
| %RSD   | 5.5493  |

|    |         |
|----|---------|
| #1 | -103.71 |
| #2 | -92.822 |
| #3 | -97.997 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2901.8 | 34804. | 3648.5 | 9.9885 | 2985.4 |
| Stddev    | 3.7    | 75.    | 9.3    | 1.3696 | 4.0    |
| %RSD      | .12696 | .21481 | .25605 | 13.712 | .13268 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2898.1 | 34849. | 3640.1 | 11.025 | 2981.7 |
| #2 | 2901.7 | 34845. | 3658.6 | 10.505 | 2985.0 |
| #3 | 2905.5 | 34717. | 3646.7 | 8.4358 | 2989.5 |

Sample Name: S4      Acquired: 2/1/2019 14:41:31      Type: Cal  
Method: P4-ICP2(v2820)      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    | .33998 | .66078 | 1.9259 | .40996 | .82029 | .10893 | 7.7444 | .31621 |
| Stddev | .00202 | .00348 | .0083  | .00237 | .00587 | .00008 | .0205  | .00074 |
| %RSD   | .59349 | .52734 | .42937 | .57927 | .71537 | .07486 | .26444 | .23430 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .34183 | .66359 | 1.9329 | .41230 | .82631 | .10884 | 7.7488 | .31557 |
| #2 | .33783 | .65688 | 1.9168 | .40755 | .81459 | .10894 | 7.7221 | .31702 |
| #3 | .34030 | .66188 | 1.9279 | .41004 | .81998 | .10900 | 7.7623 | .31604 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 9.5659 | 1.5488 | .27874 | 3.4632 | .98534 | 1.1822 | 4.4496 | .32171 |
| Stddev | .0450  | .0052  | .00161 | .0155  | .00634 | .0029  | .0121  | .00310 |
| %RSD   | .47086 | .33739 | .57661 | .44610 | .64352 | .24336 | .27075 | .96428 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.5973 | 1.5513 | .27767 | 3.4708 | .99244 | 1.1795 | 4.4486 | .32389 |
| #2 | 9.5143 | 1.5428 | .28059 | 3.4454 | .98024 | 1.1819 | 4.4620 | .31816 |
| #3 | 9.5862 | 1.5522 | .27797 | 3.4733 | .98332 | 1.1852 | 4.4380 | .32309 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 2.0636 | .36199 | 8.2436 | .73189 | 7.3092 | 2.2542 | 3.7618 | .29145 |
| Stddev | .0100  | .00186 | .0192  | .00164 | .0342  | .0127  | .0210  | .00075 |
| %RSD   | .48485 | .51270 | .23287 | .22389 | .46755 | .56224 | .55819 | .25621 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.0709 | .36206 | 8.2328 | .73180 | 7.3322 | 2.2451 | 3.7853 | .29097 |
| #2 | 2.0522 | .36381 | 8.2322 | .73358 | 7.2699 | 2.2489 | 3.7450 | .29107 |
| #3 | 2.0677 | .36010 | 8.2657 | .73030 | 7.3255 | 2.2687 | 3.7550 | .29231 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .02877 | 2.2693 | 1.1228 | 1.5877 | 7.4415 | .6346  | 67.073 | 3441.5 |
| Stddev | .00026 | .0130  | .0064  | .0051  | .0118  | .0011  | .188   | 39.3   |
| %RSD   | .89639 | .57098 | .57216 | .31897 | .15802 | .1758  | .27986 | 1.1413 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .02848 | 2.2564 | 1.1288 | 1.5898 | 7.4549 | .6353 | 67.191 | 3414.9 |
| #2 | .02888 | 2.2692 | 1.1160 | 1.5819 | 7.4327 | .6333 | 66.856 | 3423.1 |
| #3 | .02896 | 2.2823 | 1.1235 | 1.5914 | 7.4371 | .6352 | 67.171 | 3486.6 |

Sample Name: S4      Acquired: 2/1/2019 14:41:31      Type: Cal  
 Method: P4-ICP2(v2820)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -110.55 |
| Stddev | 8.60    |
| %RSD   | 7.7813  |

|    |         |
|----|---------|
| #1 | -119.92 |
| #2 | -108.72 |
| #3 | -103.01 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2857.6 | 34066. | 3601.1 | 9.5513 | 2847.2 |
| Stddev    | 18.3   | 128.   | 8.0    | .4767  | 12.4   |
| %RSD      | .64061 | .37480 | .22264 | 4.9910 | .43416 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2836.9 | 33976. | 3591.9 | 10.099 | 2833.1 |
| #2 | 2864.2 | 34010. | 3606.8 | 9.3273 | 2855.7 |
| #3 | 2871.7 | 34212. | 3604.6 | 9.2279 | 2852.9 |

Sample Name: S5      Acquired: 2/1/2019 14:45:32      Type: Cal  
Method: P4-ICP2(v2820)      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    | .67699 | 1.3070 | 3.8548 | .81358 | 1.6204 | .21716 | 15.240 | .62142 |
| Stddev | .00085 | .0040  | .0012  | .00056 | .0013  | .00132 | .046   | .00183 |
| %RSD   | .12507 | .30498 | .03092 | .06924 | .08290 | .60833 | .30202 | .29444 |
| #1     | .67613 | 1.3026 | 3.8556 | .81409 | 1.6211 | .21648 | 15.270 | .61952 |
| #2     | .67782 | 1.3104 | 3.8534 | .81297 | 1.6214 | .21631 | 15.187 | .62317 |
| #3     | .67704 | 1.3080 | 3.8554 | .81367 | 1.6189 | .21868 | 15.262 | .62156 |
| 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    | 19.359 | 3.0106 | .54327 | 6.9983 | 1.9169 | 2.2439 | 8.6159 | .62897 |
| Stddev | .004   | .0069  | .00274 | .0076  | .0004  | .0130  | .0230  | .00018 |
| %RSD   | .01823 | .23055 | .50487 | .10921 | .01914 | .57787 | .26731 | .02826 |
| #1     | 19.357 | 3.0026 | .54188 | 6.9896 | 1.9171 | 2.2387 | 8.6007 | .62907 |
| #2     | 19.356 | 3.0154 | .54643 | 7.0042 | 1.9171 | 2.2587 | 8.6424 | .62877 |
| #3     | 19.363 | 3.0137 | .54150 | 7.0009 | 1.9165 | 2.2344 | 8.6046 | .62908 |
| 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    | 4.1550 | .71526 | 16.252 | 1.4373 | 14.868 | 4.5862 | 7.3671 | .57160 |
| Stddev | .0015  | .00294 | .101   | .0055  | .014   | .0243  | .0040  | .00209 |
| %RSD   | .03669 | .41122 | .62130 | .38218 | .09162 | .52960 | .05379 | .36630 |
| #1     | 4.1567 | .71336 | 16.347 | 1.4337 | 14.852 | 4.6000 | 7.3666 | .57246 |
| #2     | 4.1543 | .71865 | 16.146 | 1.4436 | 14.877 | 4.5581 | 7.3713 | .56922 |
| #3     | 4.1539 | .71377 | 16.263 | 1.4346 | 14.875 | 4.6004 | 7.3634 | .57313 |
| 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    | .06015 | 4.4178 | 2.2618 | 3.0953 | 14.567 | 1.304  | 129.29 | 3269.5 |
| Stddev | .00045 | .0239  | .0029  | .0093  | .057   | .003   | 1.66   | 2.3    |
| %RSD   | .74241 | .53976 | .13010 | .29912 | .39342 | .2138  | 1.2835 | .07187 |
| #1     | .05980 | 4.4019 | 2.2586 | 3.1001 | 14.597 | 1.302  | 128.76 | 3272.3 |
| #2     | .06066 | 4.4452 | 2.2644 | 3.0846 | 14.501 | 1.307  | 131.15 | 3268.0 |
| #3     | .06001 | 4.4061 | 2.2624 | 3.1011 | 14.604 | 1.303  | 127.96 | 3268.3 |

Sample Name: S5      Acquired: 2/1/2019 14:45:32      Type: Cal  
 Method: P4-ICP2(v2820)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -92.729 |
| Stddev | 11.295  |
| %RSD   | 12.181  |

|    |         |
|----|---------|
| #1 | -82.850 |
| #2 | -90.293 |
| #3 | -105.04 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2778.2 | 33150. | 3576.4 | 9.6199 | 2669.6 |
| Stddev    | 6.6    | 26.    | 10.6   | .2242  | 3.3    |
| %RSD      | .23921 | .07697 | .29716 | 2.3309 | .12213 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2772.0 | 33178. | 3567.6 | 9.8056 | 2668.0 |
| #2 | 2777.4 | 33127. | 3573.5 | 9.3708 | 2667.4 |
| #3 | 2785.2 | 33145. | 3588.2 | 9.6833 | 2673.3 |

Sample Name: ICV01      Acquired: 2/1/2019 14:49:39      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .96905 | .97812 | .95878 | .99260 | .96932 | 2.4897 | .48749 |
| Stddev | .00160 | .00567 | .00345 | .00329 | .00156 | .0168  | .00250 |
| %RSD   | .16468 | .57933 | .35961 | .33191 | .16071 | .67455 | .51383 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .96755 | .98411 | .95545 | .99383 | .96984 | 2.4958 | .48555 |
| #2 | .96887 | .97284 | .95853 | .99510 | .96757 | 2.5025 | .48659 |
| #3 | .97072 | .97741 | .96234 | .98887 | .97055 | 2.4707 | .49031 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .47219 | .48939 | 10.092 | .49295 | .48172 | .50807 | 5.1194 |
| Stddev | .00064 | .00151 | .067   | .00202 | .00193 | .00103 | .0249  |
| %RSD   | .13491 | .30900 | .66557 | .40964 | .40103 | .20237 | .48632 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .47283 | .49075 | 10.022 | .49416 | .48040 | .50714 | 5.1150 |
| #2 | .47218 | .48777 | 10.156 | .49406 | .48082 | .50791 | 5.0971 |
| #3 | .47156 | .48966 | 10.099 | .49062 | .48393 | .50918 | 5.1463 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50182 | 6.0246 | .48357 | .48029 | 9.6982 | .48876 | .99972 |
| Stddev | .00072 | .0365  | .00095 | .00384 | .0382  | .00249 | .00161 |
| %RSD   | .14341 | .60546 | .19549 | .79925 | .39343 | .50888 | .16101 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50238 | 6.0563 | .48313 | .48456 | 9.7410 | .49057 | 1.0013 |
| #2 | .50208 | 5.9848 | .48292 | .47919 | 9.6678 | .48980 | .99807 |
| #3 | .50101 | 6.0327 | .48465 | .47713 | 9.6858 | .48593 | .99980 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.9066 | 2.4495 | 2.4376 | F 2.0033 | 2.3764 | 2.3776 | 2.4774 |
| Stddev | .0272  | .0163  | .0264  | .0096    | .0185  | .0180  | .0119  |
| %RSD   | .27420 | .66412 | 1.0817 | .47981   | .77862 | .75490 | .47932 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.9234 | 2.4340 | 2.4638 | 1.9935 | 2.3687 | 2.3608 | 2.4911 |
| #2 | 9.8753 | 2.4482 | 2.4379 | 2.0037 | 2.3631 | 2.3756 | 2.4697 |
| #3 | 9.9212 | 2.4664 | 2.4111 | 2.0127 | 2.3976 | 2.3965 | 2.4714 |

Sample Name: ICV01      Acquired: 2/1/2019 14:49:39      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|           |          |         |          |          |          |
|-----------|----------|---------|----------|----------|----------|
| Elem      | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units     | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg       | F 2.1958 | F 2.044 | F 2.0633 | F 1.3179 | F<.00000 |
| Stddev    | .0146    | .016    | .0122    | .3872    | .61564   |
| %RSD      | .66520   | .7981   | .58960   | 29.379   | 5.2427   |
| #1        | 2.2120   | 2.028   | 2.0763   | 1.4746   | -12.230  |
| #2        | 2.1837   | 2.044   | 2.0617   | 1.6023   | -11.948  |
| #3        | 2.1916   | 2.060   | 2.0521   | .87696   | -11.051  |
| Int. Std. | Y_2243   | Y_3600  | Y_3710   | In2306   | In2306   |
| Units     | Cts/S    | Cts/S   | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2925.4   | 35058.  | 3679.1   | 9.9899   | 3044.6   |
| Stddev    | 15.4     | 252.    | 12.9     | .4491    | 16.7     |
| %RSD      | .52585   | .72016  | .35003   | 4.4958   | .54974   |
| #1        | 2911.1   | 34835.  | 3681.3   | 9.9976   | 3028.3   |
| #2        | 2923.5   | 35006.  | 3690.7   | 10.435   | 3043.7   |
| #3        | 2941.7   | 35332.  | 3665.3   | 9.5370   | 3061.7   |

Sample Name: LLICV01      Acquired: 2/1/2019 14:58:43      Type: Unk  
Method: P4-ICP2(v2820)      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    | .01923   | .04408 | .01273 | .02026 | .05520 | .10995 | .09701 | .00618   |
| Stddev | .00128   | .00138 | .00017 | .00484 | .00022 | .00654 | .00446 | .00005   |
| %RSD   | 6.6484   | 3.1269 | 1.3350 | 23.911 | .39260 | 5.9503 | 4.5925 | .85933   |
| #1     | .02030   | .04254 | .01261 | .01853 | .05520 | .10749 | .09378 | .00614   |
| #2     | .01782   | .04452 | .01293 | .01652 | .05498 | .10499 | .10209 | .00624   |
| #3     | .01958   | .04519 | .01266 | .02573 | .05542 | .11736 | .09517 | .00615   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00606   | 2.1278 | .01047 | .03233 | .02190 | .11027 | .02258 | 2.2156   |
| Stddev | .00012   | .0057  | .00020 | .00030 | .00058 | .00442 | .00010 | .0861    |
| %RSD   | 2.0211   | .26981 | 1.9578 | .91339 | 2.6484 | 4.0075 | .44402 | 3.8858   |
| #1     | .00595   | 2.1259 | .01033 | .03257 | .02130 | .11340 | .02247 | 2.1393   |
| #2     | .00620   | 2.1342 | .01036 | .03200 | .02245 | .11219 | .02262 | 2.1985   |
| #3     | .00604   | 2.1232 | .01070 | .03242 | .02194 | .10521 | .02265 | 2.3089   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04229   | .01032 | 2.1178 | .04404 | .04322 | 2.1658 | .20841 | .10303   |
| Stddev | .00033   | .00029 | .0245  | .00035 | .00013 | .0138  | .00027 | .00462   |
| %RSD   | .78734   | 2.7709 | 1.1589 | .79749 | .30085 | .63846 | .12743 | 4.4839   |
| #1     | .04259   | .01064 | 2.0912 | .04445 | .04336 | 2.1576 | .20853 | .10501   |
| #2     | .04236   | .01021 | 2.1224 | .04388 | .04321 | 2.1581 | .20858 | .09775   |
| #3     | .04193   | .01010 | 2.1397 | .04381 | .04310 | 2.1818 | .20810 | .10633   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F .02415 | .41361 | .04196 | .04736 | .02169 | .0177  | .02087 | F .04553 |
| Stddev | .02431   | .00757 | .00123 | .00190 | .00175 | .0010  | .00010 | .20680   |
| %RSD   | 100.68   | 1.8298 | 2.9348 | 4.0062 | 8.0463 | 5.775  | .46224 | 454.23   |
| #1     | .00934   | .41283 | .04074 | .04928 | .02359 | .0166  | .02097 | .19994   |
| #2     | .05221   | .42153 | .04320 | .04549 | .02017 | .0181  | .02085 | -.18943  |
| #3     | .01089   | .40646 | .04193 | .04731 | .02131 | .0185  | .02078 | .12607   |

Sample Name: LLICV01      Acquired: 2/1/2019 14:58:43      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.4981 |
| Stddev | 1.6562   |
| %RSD   | 110.55   |

|    |         |
|----|---------|
| #1 | -.12249 |
| #2 | 1.4292  |
| #3 | 3.1878  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2965.0 | 35784. | 3687.0 | 10.187 | 3220.6 |
| Stddev    | 4.4    | 102.   | 29.4   | .580   | 9.0    |
| %RSD      | .14949 | .28629 | .79738 | 5.6980 | .28063 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2967.2 | 35743. | 3666.1 | 9.6636 | 3225.1 |
| #2 | 2959.8 | 35900. | 3674.3 | 10.811 | 3210.2 |
| #3 | 2967.8 | 35708. | 3720.6 | 10.086 | 3226.5 |

Sample Name: ICB01      Acquired: 2/1/2019 15:03:09      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |        |         |         |
|--------|---------|---------|---------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961  | Ba4934  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00260 | -.00030 | -.00034 | -.00160 | .00084 | -.00141 | -.00666 |
| Stddev | .00204  | .00078  | .00074  | .00056  | .00048 | .01528  | .00553  |
| %RSD   | 78.332  | 263.45  | 215.85  | 35.067  | 57.351 | 1085.0  | 83.079  |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.00038 | -.00035 | -.00079 | -.00119 | .00111 | .01613  | -.00213 |
| #2 | -.00303 | .00051  | -.00074 | -.00224 | .00028 | -.01183 | -.00502 |
| #3 | -.00438 | -.00106 | .00051  | -.00138 | .00112 | -.00853 | -.01282 |

|        |         |         |         |         |         |        |        |
|--------|---------|---------|---------|---------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00000 | -.00003 | -.00733 | -.00025 | -.00009 | .00044 | .00046 |
| Stddev | .00003  | .00009  | .00488  | .00021  | .00009  | .00048 | .00144 |
| %RSD   | 5111.9  | 268.85  | 66.586  | 85.516  | 100.53  | 109.11 | 312.90 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00003  | -.00002 | -.00179 | -.00014 | -.00017 | .00041  | .00016  |
| #2 | -.00002 | -.00013 | -.01102 | -.00049 | -.00012 | -.00003 | .00203  |
| #3 | -.00001 | .00005  | -.00919 | -.00011 | .00001  | .00094  | -.00081 |

|        |        |         |        |         |         |         |         |
|--------|--------|---------|--------|---------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00004 | -.00169 | .00023 | -.00048 | -.01822 | -.00025 | -.00013 |
| Stddev | .00003 | .03042  | .00032 | .00042  | .00388  | .00051  | .00010  |
| %RSD   | 78.409 | 1800.4  | 139.76 | 87.665  | 21.300  | 200.67  | 79.187  |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00000 | -.03161 | .00001 | -.00050 | -.01380 | .00014  | -.00004 |
| #2 | .00007 | .02921  | .00008 | -.00005 | -.01980 | -.00083 | -.00010 |
| #3 | .00006 | -.00266 | .00060 | -.00089 | -.02106 | -.00007 | -.00024 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | .06724 | .00017 | .00019 | F .02244 | .00260 | -.00061 | .00386 |
| Stddev | .02467 | .00019 | .00804 | .01480   | .00306 | .00031  | .00048 |
| %RSD   | 36.695 | 117.92 | 4155.1 | 65.983   | 118.01 | 50.885  | 12.543 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | .04095 | .00035  | .00064  | .02606 | .00176 | -.00048 | .00347 |
| #2 | .07087 | -.00004 | .00800  | .03509 | .00004 | -.00096 | .00441 |
| #3 | .08989 | .00018  | -.00806 | .00616 | .00599 | -.00039 | .00372 |

Sample Name: ICB01      Acquired: 2/1/2019 15:03:09      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |          |          |
|--------|--------|--------|---------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg    | .00032 | .0007  | -.00009 | F<.00000 | F<.00000 |
| Stddev | .00110 | .0005  | .00005  | .04129   | 1.3976   |
| %RSD   | 343.58 | 75.36  | 53.962  | 5.2604   | 101.21   |

|    |         |       |         |         |         |
|----|---------|-------|---------|---------|---------|
| #1 | -.00094 | .0005 | -.00007 | -.77704 | -2.9903 |
| #2 | .00086  | .0003 | -.00005 | -.82957 | -.68081 |
| #3 | .00104  | .0013 | -.00014 | -.74812 | -.47173 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2958.6 | 36035. | 3641.6 | 10.116 | 3241.6 |
| Stddev    | 6.4    | 96.    | 12.4   | .364   | 12.8   |
| %RSD      | .21464 | .26527 | .33941 | 3.6028 | .39385 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2952.4 | 35975. | 3629.6 | 10.534 | 3229.6 |
| #2 | 2958.4 | 36146. | 3640.9 | 9.8659 | 3240.1 |
| #3 | 2965.1 | 35986. | 3654.3 | 9.9477 | 3255.0 |

Sample Name: CRI01      Acquired: 2/1/2019 15:07:38      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01605 | .03877 | .01078 | .01657 | .04943 | .10020 | .08169 |
| Stddev | .00069 | .00145 | .00057 | .00199 | .00242 | .00170 | .00686 |
| %RSD   | 4.3008 | 3.7287 | 5.2892 | 11.993 | 4.8874 | 1.7003 | 8.3971 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01637 | .03723 | .01132 | .01878 | .05201 | .10081 | .07865 |
| #2 | .01652 | .04010 | .01019 | .01494 | .04908 | .09828 | .08955 |
| #3 | .01525 | .03898 | .01082 | .01598 | .04721 | .10152 | .07689 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00526 | .00528 | 1.8393 | .00908 | .02797 | .01907 | .09630 |
| Stddev | .00008 | .00007 | .0175  | .00032 | .00008 | .00027 | .00398 |
| %RSD   | 1.5403 | 1.3270 | .94936 | 3.5419 | .29084 | 1.4042 | 4.1294 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00524 | .00521 | 1.8298 | .00929 | .02791 | .01894 | .09866 |
| #2 | .00535 | .00535 | 1.8595 | .00871 | .02793 | .01938 | .09853 |
| #3 | .00519 | .00528 | 1.8288 | .00923 | .02806 | .01889 | .09171 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01961 | 1.9207 | .03695 | .00885 | 1.8312 | .03823 | .04252 |
| Stddev | .00011 | .0302  | .00046 | .00035 | .0172  | .00052 | .00011 |
| %RSD   | .56820 | 1.5703 | 1.2358 | 3.9497 | .93978 | 1.3679 | .25275 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01973 | 1.8861 | .03676 | .00848 | 1.8150 | .03862 | .04261 |
| #2 | .01958 | 1.9412 | .03747 | .00917 | 1.8493 | .03764 | .04256 |
| #3 | .01951 | 1.9348 | .03662 | .00890 | 1.8294 | .03844 | .04240 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.8988 | .18248 | .08506 | .01901 | .35704 | .03623 | .04240 |
| Stddev | .0432  | .00039 | .00620 | .01705 | .00243 | .00044 | .00052 |
| %RSD   | 2.2761 | .21244 | 7.2931 | 89.684 | .68134 | 1.2264 | 1.2361 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.8678 | .18251 | .08297 | .01649 | .35913 | .03607 | .04287 |
| #2 | 1.8804 | .18285 | .09204 | .00336 | .35761 | .03588 | .04249 |
| #3 | 1.9482 | .18207 | .08017 | .03718 | .35437 | .03673 | .04184 |

Sample Name: CRI01      Acquired: 2/1/2019 15:07:38      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .01500 | .0170  | .01808 | F<.00000 | F .71761 |
| Stddev    | .00143 | .0012  | .00008 | .12629   | .32152   |
| %RSD      | 9.5490 | 7.290  | .45482 | 19.385   | 44.804   |
| #1        | .01421 | .0184  | .01816 | -.56903  | .62318   |
| #2        | .01665 | .0159  | .01809 | -.58850  | 1.0758   |
| #3        | .01413 | .0167  | .01800 | -.79685  | .45388   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2955.1 | 35873. | 3679.8 | 10.801   | 3213.2   |
| Stddev    | 9.0    | 60.    | 19.2   | 1.286    | 7.4      |
| %RSD      | .30579 | .16672 | .52109 | 11.905   | .23087   |
| #1        | 2944.7 | 35937. | 3690.9 | 9.3205   | 3204.9   |
| #2        | 2959.9 | 35861. | 3657.6 | 11.441   | 3219.0   |
| #3        | 2960.6 | 35820. | 3690.7 | 11.641   | 3215.8   |

Sample Name: ICSA01      Acquired: 2/1/2019 15:15:54      Type: Unk  
Method: P4-ICP2(v2820)      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    | -.00958  | -.00193 | -.00190 | .00671  | .00272 | 288.24 | -.00400 | .00005 |
| Stddev | .00054   | .00129  | .00126  | .00188  | .00168 | 2.70   | .00589  | .00003 |
| %RSD   | 5.6115   | 66.647  | 66.135  | 28.040  | 61.871 | .93839 | 147.34  | 71.727 |
| #1     | -.01019  | -.00084 | -.00296 | .00870  | .00110 | 285.71 | -.00579 | .00002 |
| #2     | -.00917  | -.00335 | -.00051 | .00649  | .00446 | 291.09 | .00258  | .00008 |
| #3     | -.00939  | -.00160 | -.00222 | .00495  | .00261 | 287.92 | -.00879 | .00004 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00226  | 259.37  | .05763  | -.00054 | .00098 | 94.971 | .01604  | 271.10 |
| Stddev | .00010   | .85     | .00050  | .00018  | .00045 | .726   | .00020  | 1.65   |
| %RSD   | 4.5562   | .32826  | .85955  | 33.575  | 45.375 | .76405 | 1.2292  | .60805 |
| #1     | -.00236  | 259.12  | .05733  | -.00033 | .00047 | 95.586 | .01581  | 270.45 |
| #2     | -.00215  | 258.67  | .05820  | -.00066 | .00128 | 94.170 | .01615  | 269.87 |
| #3     | -.00227  | 260.32  | .05736  | -.00062 | .00120 | 95.156 | .01616  | 272.97 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00213  | -.00320 | .04311  | .00159  | .00700 | .14875 | .00045  | .03846 |
| Stddev | .00004   | .00032  | .00713  | .00052  | .00017 | .03474 | .00026  | .01170 |
| %RSD   | 2.0748   | 9.8820  | 16.534  | 32.919  | 2.4021 | 23.355 | 57.520  | 30.435 |
| #1     | -.00218  | -.00284 | .03513  | .00099  | .00690 | .18875 | .00062  | .05182 |
| #2     | -.00209  | -.00344 | .04538  | .00191  | .00690 | .13130 | .00058  | .03002 |
| #3     | -.00212  | -.00332 | .04883  | .00188  | .00719 | .12619 | .00015  | .03353 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | F .16433 | -.01086 | .01043  | .00144  | .01769 | -.0024 | .00547  | 5.2097 |
| Stddev | .03406   | .00282  | .00078  | .00206  | .00174 | .0018  | .00085  | .1082  |
| %RSD   | 20.728   | 25.945  | 7.4782  | 142.86  | 9.8069 | 78.17  | 15.592  | 2.0777 |
| #1     | .12666   | -.00829 | .00996  | .00041  | .01682 | -.0020 | .00463  | 5.3031 |
| #2     | .19296   | -.01387 | .01000  | .00010  | .01657 | -.0043 | .00634  | 5.0911 |
| #3     | .17337   | -.01041 | .01133  | .00381  | .01969 | -.0007 | .00543  | 5.2350 |

Sample Name: ICSA01      Acquired: 2/1/2019 15:15:54      Type: Unk  
 Method: P4-ICP2(v2820)      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 | 1.1346  |
| %RSD   | .33002  |

|    |         |
|----|---------|
| #1 | -345.10 |
| #2 | -343.12 |
| #3 | -343.14 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2616.5 | 31110. | 3544.7 | 9.2761 | 2509.6 |
| Stddev    | 3.4    | 101.   | 25.3   | 2.0173 | 3.0    |
| %RSD      | .12878 | .32477 | .71298 | 21.748 | .12084 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2613.7 | 31195. | 3523.6 | 7.0378 | 2506.2 |
| #2 | 2615.5 | 30998. | 3572.7 | 10.954 | 2510.8 |
| #3 | 2620.2 | 31136. | 3537.9 | 9.8367 | 2511.9 |

Sample Name: ICSAB01      Acquired: 2/1/2019 15:20:26      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .10064 | .08686 | .05255 | .05267 | .64121 | 273.10 | .51424 | .56815 |
| Stddev | .00111 | .00023 | .00070 | .00157 | .00143 | .57    | .00488 | .00167 |
| %RSD   | 1.1059 | .26716 | 1.3242 | 2.9714 | .22292 | .20947 | .94837 | .29469 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .09979 | .08665 | .05190 | .05101 | .63986 | 272.75 | .51500 | .56753 |
| #2 | .10190 | .08711 | .05246 | .05412 | .64106 | 273.76 | .51870 | .56688 |
| #3 | .10021 | .08682 | .05328 | .05288 | .64271 | 272.79 | .50903 | .57005 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0356 | 245.77 | .57735 | .52148 | .52091 | 90.568 | .54785 | 257.62 |
| Stddev | .0031  | 2.15   | .00421 | .00126 | .00062 | .878   | .00056 | 1.74   |
| %RSD   | .29992 | .87418 | .72915 | .24224 | .11996 | .96931 | .10285 | .67590 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0391 | 247.66 | .57790 | .52270 | .52162 | 91.265 | .54738 | 258.83 |
| #2 | 1.0332 | 246.22 | .58125 | .52018 | .52069 | 90.856 | .54769 | 258.42 |
| #3 | 1.0344 | 243.43 | .57289 | .52155 | .52043 | 89.582 | .54847 | 255.63 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0319 | .16144 | .04854 | .52594 | 1.1169 | .16446 | 1.1086 | 1.1334 |
| Stddev | .0029  | .00052 | .01461 | .00288 | .0022  | .02744 | .0010  | .0100  |
| %RSD   | .27688 | .32351 | 30.086 | .54807 | .20002 | 16.687 | .09169 | .88530 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0338 | .16187 | .03709 | .52371 | 1.1194 | .19597 | 1.1095 | 1.1241 |
| #2 | 1.0286 | .16159 | .06499 | .52491 | 1.1151 | .15158 | 1.1090 | 1.1441 |
| #3 | 1.0332 | .16086 | .04355 | .52919 | 1.1162 | .14582 | 1.1075 | 1.1321 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1240 | .98204 | 1.1285 | 1.1199 | 1.0752 | 1.024  | .94740 | 5.4775 |
| Stddev | .0813  | .00853 | .0007  | .0033  | .0010  | .001   | .00965 | .3371  |
| %RSD   | 7.2284 | .86861 | .05869 | .29087 | .09283 | .0850  | 1.0184 | 6.1543 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 1.1937 | .98625 | 1.1292 | 1.1168 | 1.0762 | 1.023 | .95413 | 5.7805 |
| #2 | 1.0348 | .98764 | 1.1286 | 1.1233 | 1.0742 | 1.024 | .95173 | 5.5375 |
| #3 | 1.1437 | .97222 | 1.1279 | 1.1196 | 1.0753 | 1.024 | .93634 | 5.1144 |

Sample Name: ICSAB01      Acquired: 2/1/2019 15:20:26      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | 2.4016  |
| %RSD   | .73818  |

|    |         |
|----|---------|
| #1 | -323.53 |
| #2 | -328.07 |
| #3 | -324.45 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2623.9 | 31351. | 3571.8 | 9.6240 | 2516.9 |
| Stddev    | 7.5    | 84.    | 36.2   | 1.1961 | 8.9    |
| %RSD      | .28731 | .26792 | 1.0122 | 12.428 | .35331 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2615.5 | 31262. | 3537.5 | 11.005 | 2507.0 |
| #2 | 2626.2 | 31364. | 3568.2 | 8.9415 | 2524.3 |
| #3 | 2630.1 | 31429. | 3609.6 | 8.9253 | 2519.2 |

Sample Name: CCV01      Acquired: 2/1/2019 15:24:43      Type: Unk  
Method: P4-ICP2(v2820)      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    | 4.9572 | 4.9064 | 4.9301 | 4.9429 | 4.9597 | 9.9180 | 9.7590 | .25020   |
| Stddev | .0219  | .0108  | .0088  | .0220  | .0166  | .0609  | .0365  | .00028   |
| %RSD   | .44124 | .22044 | .17806 | .44543 | .33434 | .61403 | .37425 | .11310   |
| #1     | 4.9357 | 4.9066 | 4.9278 | 4.9207 | 4.9504 | 9.8584 | 9.7232 | .24996   |
| #2     | 4.9794 | 4.9172 | 4.9397 | 4.9647 | 4.9788 | 9.9156 | 9.7575 | .25014   |
| #3     | 4.9566 | 4.8956 | 4.9226 | 4.9433 | 4.9498 | 9.9801 | 9.7962 | .25051   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4450 | 24.778 | .99317 | 2.4506 | 1.2426 | 4.9964 | 2.5029 | 24.905   |
| Stddev | .0057  | .104   | .00254 | .0064  | .0047  | .0381  | .0024  | .167     |
| %RSD   | .23350 | .42125 | .25594 | .26248 | .37867 | .76221 | .09696 | .66896   |
| #1     | 2.4442 | 24.658 | .99140 | 2.4501 | 1.2375 | 4.9827 | 2.5040 | 24.835   |
| #2     | 2.4511 | 24.832 | .99609 | 2.4573 | 1.2467 | 5.0395 | 2.5046 | 25.095   |
| #3     | 2.4397 | 24.844 | .99204 | 2.4445 | 1.2438 | 4.9672 | 2.5002 | 24.785   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4383 | 1.2371 | 24.390 | 2.4540 | 2.4445 | 24.588 | 4.9827 | 4.9116   |
| Stddev | .0102  | .0050  | .125   | .0032  | .0042  | .089   | .0123  | .0543    |
| %RSD   | .41816 | .40625 | .51247 | .12902 | .17322 | .36310 | .24717 | 1.1047   |
| #1     | 2.4376 | 1.2318 | 24.253 | 2.4543 | 2.4445 | 24.498 | 4.9707 | 4.8643   |
| #2     | 2.4488 | 1.2418 | 24.497 | 2.4569 | 2.4487 | 24.676 | 4.9953 | 4.9709   |
| #3     | 2.4285 | 1.2379 | 24.419 | 2.4506 | 2.4402 | 24.592 | 4.9821 | 4.8997   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7533 | 4.8769 | 4.8820 | 4.9905 | 4.9474 | 4.830  | 5.0374 | F 3.3284 |
| Stddev | .0611  | .0305  | .0109  | .0233  | .0184  | .017   | .0183  | .2341    |
| %RSD   | 1.2857 | .62539 | .22357 | .46642 | .37220 | .3535  | .36348 | 7.0322   |
| #1     | 4.7015 | 4.8614 | 4.8829 | 4.9650 | 4.9270 | 4.843  | 5.0193 | 3.0610   |
| #2     | 4.7377 | 4.9120 | 4.8924 | 5.0105 | 4.9522 | 4.837  | 5.0370 | 3.4963   |
| #3     | 4.8207 | 4.8572 | 4.8707 | 4.9960 | 4.9628 | 4.811  | 5.0559 | 3.4278   |

Sample Name: CCV01      Acquired: 2/1/2019 15:24:43      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 4.0777 |
| Stddev | 1.2938   |
| %RSD   | 31.728   |

|    |        |
|----|--------|
| #1 | 3.1921 |
| #2 | 5.5624 |
| #3 | 3.4785 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2829.2 | 33992. | 3638.6 | 10.055 | 2830.5 |
| Stddev    | 4.6    | 6.     | 12.2   | .815   | 3.1    |
| %RSD      | .16346 | .01819 | .33489 | 8.1065 | .10953 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2834.5 | 33985. | 3630.3 | 9.8458 | 2828.7 |
| #2 | 2826.2 | 33994. | 3632.8 | 10.955 | 2828.8 |
| #3 | 2826.7 | 33997. | 3652.5 | 9.3654 | 2834.1 |

Sample Name: LLCCV01      Acquired: 2/1/2019 15:28:44      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01936 | .04154 | .01079 | .01812 | .05478 | .09802 | .09323 |
| Stddev | .00420 | .00086 | .00080 | .00150 | .00059 | .00584 | .00269 |
| %RSD   | 21.676 | 2.0789 | 7.3953 | 8.2759 | 1.0849 | 5.9619 | 2.8868 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02092 | .04094 | .01171 | .01888 | .05511 | .10190 | .09500 |
| #2 | .01460 | .04116 | .01032 | .01639 | .05515 | .10086 | .09013 |
| #3 | .02255 | .04253 | .01034 | .01909 | .05410 | .09130 | .09456 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00590 | .00544 | 2.0067 | .01047 | .03075 | .02059 | .10224 |
| Stddev | .00006 | .00012 | .0009  | .00035 | .00027 | .00047 | .00072 |
| %RSD   | 1.0546 | 2.2542 | .04261 | 3.3000 | .88630 | 2.2844 | .70318 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00595 | .00548 | 2.0065 | .01008 | .03101 | .02108 | .10254 |
| #2 | .00583 | .00530 | 2.0060 | .01057 | .03047 | .02015 | .10143 |
| #3 | .00591 | .00554 | 2.0076 | .01075 | .03078 | .02055 | .10277 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02172 | 2.0883 | .04025 | .00991 | 2.0262 | .04181 | .04203 |
| Stddev | .00007 | .0476  | .00010 | .00024 | .0128  | .00018 | .00018 |
| %RSD   | .31593 | 2.2777 | .24935 | 2.3975 | .63246 | .43302 | .41942 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02178 | 2.0831 | .04014 | .01010 | 2.0199 | .04200 | .04224 |
| #2 | .02173 | 2.0435 | .04034 | .00965 | 2.0178 | .04164 | .04193 |
| #3 | .02165 | 2.1382 | .04025 | .00999 | 2.0409 | .04179 | .04193 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.1021 | .20037 | .10034 | .02236 | .39082 | .03979 | .04513 |
| Stddev | .0479  | .00085 | .01151 | .00740 | .00167 | .00041 | .00072 |
| %RSD   | 2.2771 | .42210 | 11.474 | 33.084 | .42699 | 1.0190 | 1.5914 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.0848 | .20128 | .11101 | .02960 | .38896 | .03976 | .04571 |
| #2 | 2.0652 | .20019 | .08814 | .02266 | .39131 | .04021 | .04433 |
| #3 | 2.1562 | .19962 | .10186 | .01481 | .39218 | .03940 | .04535 |

Sample Name: LLCCV01      Acquired: 2/1/2019 15:28:44      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .01842 | .0182  | .02043 | F<.00000 | F 1.2130 |
| Stddev | .00165 | .0005  | .00018 | .35342   | 1.0249   |
| %RSD   | 8.9725 | 2.919  | .89405 | 77.740   | 84.493   |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | .02031 | .0181 | .02064 | -.30320 | .96020 |
| #2 | .01724 | .0178 | .02034 | -.85851 | .33817 |
| #3 | .01772 | .0188 | .02030 | -.20213 | 2.3407 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2937.6 | 35787. | 3714.1 | 10.508 | 3199.5 |
| Stddev    | 13.5   | 183.   | 16.4   | 1.392  | 9.3    |
| %RSD      | .46123 | .51019 | .44211 | 13.250 | .28936 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2928.9 | 35767. | 3719.0 | 12.073 | 3197.0 |
| #2 | 2930.6 | 35980. | 3727.6 | 9.4068 | 3191.8 |
| #3 | 2953.2 | 35616. | 3695.8 | 10.043 | 3209.8 |

Sample Name: CCB01      Acquired: 2/1/2019 15:33:12      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |         |        |         |         |
|--------|---------|--------|---------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960  | Sb2068 | Al3961  | Ba4934  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00066 | .00149 | -.00089 | -.00357 | .00027 | -.00259 | -.01416 |
| Stddev | .00082  | .00028 | .00040  | .00103  | .00069 | .00365  | .00255  |
| %RSD   | 124.03  | 18.514 | 44.495  | 28.728  | 259.03 | 140.92  | 18.016  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00013 | .00179 | -.00130 | -.00469 | .00096  | -.00516 | -.01209 |
| #2 | -.00024 | .00143 | -.00051 | -.00268 | -.00041 | .00159  | -.01701 |
| #3 | -.00161 | .00125 | -.00085 | -.00334 | .00025  | -.00421 | -.01339 |

|        |         |        |         |        |        |        |         |
|--------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00004 | .00001 | -.01144 | .00012 | .00016 | .00015 | -.00213 |
| Stddev | .00002  | .00008 | .01405  | .00030 | .00008 | .00029 | .00232  |
| %RSD   | 55.185  | 1048.7 | 122.82  | 250.82 | 47.635 | 200.59 | 109.18  |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.00004 | .00008  | -.02705 | .00046  | .00007 | -.00015 | -.00459 |
| #2 | -.00001 | -.00008 | -.00749 | -.00013 | .00021 | .00044  | .00003  |
| #3 | -.00005 | .00003  | .00021  | .00004  | .00021 | .00015  | -.00182 |

|        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00005 | .01089 | .00008 | .00043 | .00297 | -.00062 | -.00022 |
| Stddev | .00002 | .05026 | .00014 | .00025 | .00397 | .00035  | .00004  |
| %RSD   | 31.008 | 461.58 | 178.74 | 58.039 | 133.69 | 57.253  | 17.932  |

|    |        |         |         |        |         |         |         |
|----|--------|---------|---------|--------|---------|---------|---------|
| #1 | .00005 | .00150  | .00010  | .00029 | .00556  | -.00029 | -.00026 |
| #2 | .00007 | .06518  | .00020  | .00029 | -.00160 | -.00099 | -.00018 |
| #3 | .00004 | -.03402 | -.00007 | .00072 | .00494  | -.00056 | -.00024 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .12799 | -.00002 | -.00549 | .00475 | .00154 | .00035 | .00349 |
| Stddev | .03677 | .00016  | .00233  | .01175 | .00278 | .00033 | .00278 |
| %RSD   | 28.730 | 698.34  | 42.324  | 247.57 | 180.53 | 94.177 | 79.722 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .08910 | -.00015 | -.00700 | -.00615 | .00193  | -.00001 | .00095 |
| #2 | .16219 | -.00007 | -.00282 | .00319  | .00410  | .00062  | .00305 |
| #3 | .13267 | .00015  | -.00667 | .01720  | -.00142 | .00044  | .00646 |

Sample Name: CCB01      Acquired: 2/1/2019 15:33:12      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
 Comment:

|           |         |        |         |          |          |
|-----------|---------|--------|---------|----------|----------|
| Elem      | Li6707  | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm     | ppm    | ppm     | ppm      | ppm      |
| Avg       | -.00214 | .0004  | .00004  | F<.00000 | F .90614 |
| Stddev    | .00082  | .0007  | .00008  | .10988   | .87155   |
| %RSD      | 38.355  | 203.1  | 228.12  | 59.330   | 96.183   |
| #1        | -.00251 | -.0004 | -.00003 | -.29336  | .55387   |
| #2        | -.00271 | .0011  | .00001  | -.07367  | .26586   |
| #3        | -.00120 | .0004  | .00013  | -.18860  | 1.8987   |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2935.8  | 35845. | 3681.5  | 11.183   | 3218.5   |
| Stddev    | 7.4     | 103.   | 51.9    | .733     | 6.3      |
| %RSD      | .25307  | .28775 | 1.4088  | 6.5528   | .19631   |
| #1        | 2927.3  | 35858. | 3634.4  | 10.350   | 3211.2   |
| #2        | 2939.2  | 35941. | 3673.1  | 11.473   | 3221.9   |
| #3        | 2940.9  | 35736. | 3737.1  | 11.727   | 3222.4   |

Sample Name: PB116584BL      Acquired: 2/1/2019 15:39:51      Type: Unk  
Method: P4-ICP2(v2820)      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    | -.00092 | -.00063 | .00012 | -.00228 | .00024 | -.00200 | -.01302 |
| Stddev | .00131  | .00120  | .00127 | .00099  | .00113 | .00646  | .00639  |
| %RSD   | 142.04  | 189.35  | 1018.8 | 43.143  | 479.71 | 323.16  | 49.111  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00243 | .00042  | .00057  | -.00313 | -.00046 | -.00617 | -.01421 |
| #2 | -.00002 | -.00194 | -.00131 | -.00252 | .00154  | .00544  | -.00611 |
| #3 | -.00032 | -.00038 | .00111  | -.00120 | -.00037 | -.00526 | -.01873 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00005 | -.00005 | -.00178 | -.00016 | -.00012 | -.00011 | -.00251 |
| Stddev | .00009  | .00001  | .00509  | .00012  | .00018  | .00048  | .00077  |
| %RSD   | 194.84  | 24.656  | 285.45  | 75.731  | 152.53  | 437.39  | 30.784  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00005  | -.00004 | -.00669 | -.00003 | .00005  | .00025  | -.00304 |
| #2 | -.00007 | -.00006 | .00347  | -.00018 | -.00010 | .00007  | -.00162 |
| #3 | -.00012 | -.00006 | -.00212 | -.00026 | -.00031 | -.00066 | -.00286 |

|        |         |        |        |         |         |         |         |
|--------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00001 | .00689 | .00025 | -.00021 | -.00755 | -.00011 | -.00020 |
| Stddev | .00004  | .02079 | .00023 | .00033  | .01080  | .00032  | .00008  |
| %RSD   | 640.57  | 301.60 | 91.617 | 157.25  | 143.05  | 295.03  | 38.709  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00001  | .03059  | .00052 | -.00019 | -.01477 | .00003  | -.00018 |
| #2 | .00002  | -.00826 | .00009 | -.00055 | -.01276 | .00012  | -.00014 |
| #3 | -.00005 | -.00165 | .00016 | .00011  | .00487  | -.00048 | -.00029 |

|        |        |        |         |          |         |         |        |
|--------|--------|--------|---------|----------|---------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm     | ppm     | ppm    |
| Avg    | .09880 | .00005 | -.00531 | F .01944 | -.00040 | -.00011 | .00160 |
| Stddev | .02568 | .00023 | .00465  | .01617   | .00184  | .00069  | .00223 |
| %RSD   | 25.995 | 463.33 | 87.595  | 83.192   | 457.13  | 655.35  | 138.76 |

|    |        |         |         |        |         |         |         |
|----|--------|---------|---------|--------|---------|---------|---------|
| #1 | .11239 | .00024  | -.00916 | .01920 | -.00147 | -.00005 | -.00002 |
| #2 | .06918 | .00010  | -.00662 | .00339 | -.00147 | -.00083 | .00414  |
| #3 | .11484 | -.00020 | -.00014 | .03574 | .00172  | .00056  | .00069  |

Sample Name: PB116584BL      Acquired: 2/1/2019 15:39:51      Type: Unk  
 Method: P4-ICP2(v2820)      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       | -.00110 | .0010  | .00000  | F<.00000 | F .06679 |
| Stddev    | .00071  | .0002  | .00003  | .31919   | .69847   |
| %RSD      | 64.405  | 22.08  | 720.80  | 37.718   | 1045.8   |
| #1        | -.00036 | .0008  | .00002  | -.58047  | -.33135  |
| #2        | -.00117 | .0012  | .00002  | -1.2003  | -.34157  |
| #3        | -.00177 | .0011  | -.00003 | -.75798  | .87329   |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2925.2  | 35894. | 3694.6  | 9.9114   | 3215.3   |
| Stddev    | 13.6    | 156.   | 22.4    | 1.0176   | 4.5      |
| %RSD      | .46532  | .43392 | .60763  | 10.267   | .14099   |
| #1        | 2929.1  | 35743. | 3696.3  | 8.9295   | 3215.2   |
| #2        | 2910.0  | 35887. | 3671.4  | 9.8432   | 3210.7   |
| #3        | 2936.4  | 36054. | 3716.2  | 10.961   | 3219.8   |

Sample Name: PB116684BS      Acquired: 2/1/2019 15:44:21      Type: Unk  
Method: P4-ICP2(v2820)      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    | .77368 | 1.9977 | .96551 | 1.9555 | .78163 | 1.9355 | .19869 |
| Stddev | .00260 | .0055  | .00183 | .0072  | .00350 | .0100  | .00307 |
| %RSD   | .33620 | .27594 | .18945 | .36780 | .44824 | .51504 | 1.5447 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77241 | 2.0038 | .96357 | 1.9472 | .78081 | 1.9396 | .19571 |
| #2 | .77196 | 1.9930 | .96720 | 1.9590 | .77861 | 1.9241 | .20184 |
| #3 | .77667 | 1.9963 | .96578 | 1.9603 | .78547 | 1.9427 | .19853 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19912 | .18805 | 1.0318 | .40514 | .19556 | .31449 | 3.2360 |
| Stddev | .00061 | .00028 | .0102  | .00148 | .00074 | .00057 | .0305  |
| %RSD   | .30558 | .14910 | .98595 | .36500 | .37605 | .18112 | .94270 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19979 | .18790 | 1.0201 | .40446 | .19496 | .31398 | 3.2022 |
| #2 | .19898 | .18787 | 1.0372 | .40683 | .19638 | .31438 | 3.2442 |
| #3 | .19860 | .18837 | 1.0382 | .40412 | .19535 | .31511 | 3.2615 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20908 | 2.1142 | .48592 | .07218 | 3.0522 | .29891 | .19656 |
| Stddev | .00037 | .0484  | .00045 | .00043 | .0153  | .00122 | .00028 |
| %RSD   | .17614 | 2.2903 | .09301 | .59505 | .50027 | .40704 | .14446 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20949 | 2.1579 | .48634 | .07223 | 3.0413 | .30031 | .19668 |
| #2 | .20876 | 2.1225 | .48598 | .07173 | 3.0456 | .29831 | .19624 |
| #3 | .20901 | 2.0621 | .48545 | .07259 | 3.0696 | .29812 | .19677 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.211 | .40383 | .29628 | F -.00443 | .96842 | .66803 | .20494 |
| Stddev | .071   | .00067 | .00646 | .01271    | .01106 | .00301 | .00225 |
| %RSD   | .69571 | .16614 | 2.1806 | 287.00    | 1.1416 | .45008 | 1.0982 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.204 | .40323 | .30001 | .00898  | .95715 | .67044 | .20575 |
| #2 | 10.144 | .40455 | .30001 | -.00597 | .96886 | .66898 | .20239 |
| #3 | 10.285 | .40371 | .28882 | -.01630 | .97925 | .66466 | .20667 |

Sample Name: PB116684BS      Acquired: 2/1/2019 15:44:21      Type: Unk  
Method: P4-ICP2(v2820)      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       | .20177 | F 5.250 | .20281 | F .93406 | F<.00000 |
| Stddev    | .00193 | .017    | .00012 | .37783   | .54169   |
| %RSD      | .95674 | .3246   | .06073 | 40.450   | 2.6494   |
| #1        | .19981 | 5.270   | .20287 | 1.3140   | -19.884  |
| #2        | .20185 | 5.240   | .20267 | .92972   | -20.489  |
| #3        | .20367 | 5.241   | .20289 | .55843   | -20.965  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2917.3 | 35507.  | 3638.4 | 11.231   | 3121.9   |
| Stddev    | 4.2    | 165.    | 15.2   | .130     | 7.9      |
| %RSD      | .14253 | .46341  | .41908 | 1.1548   | .25440   |
| #1        | 2915.2 | 35325.  | 3654.5 | 11.373   | 3113.3   |
| #2        | 2922.1 | 35551.  | 3636.6 | 11.202   | 3128.9   |
| #3        | 2914.7 | 35645.  | 3624.2 | 11.118   | 3123.5   |

Sample Name: K1161-03      Acquired: 2/1/2019 15:48:30      Type: Unk  
Method: P4-ICP2(v2820)      Mode: 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    | .00122 | -.00117 | .00352 | -.00378 | -.00074 | -.00589 | -.00627 | .00004 |
| Stddev | .00106 | .00141  | .00040 | .00299  | .00125  | .02302  | .00484  | .00005 |
| %RSD   | 87.152 | 120.30  | 11.339 | 78.925  | 169.38  | 390.76  | 77.137  | 113.06 |

|    |        |         |        |         |         |         |         |        |
|----|--------|---------|--------|---------|---------|---------|---------|--------|
| #1 | .00203 | -.00250 | .00377 | -.00508 | -.00117 | -.03241 | -.00273 | .00009 |
| #2 | .00161 | .00031  | .00374 | -.00037 | .00067  | .00574  | -.01178 | .00002 |
| #3 | .00002 | -.00133 | .00306 | -.00591 | -.00172 | .00899  | -.00429 | .00001 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00018 | 83.482 | -.00067 | -.00011 | .00046 | -.02324 | .00016 | 18.617 |
| Stddev | .00007  | .505   | .00026  | .00017  | .00044 | .00154  | .00005 | .142   |
| %RSD   | 38.989  | .60452 | 38.427  | 158.19  | 95.331 | 6.6108  | 32.816 | .76161 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00014 | 83.848 | -.00095 | .00007  | .00018 | -.02226 | .00022 | 18.781 |
| #2 | -.00026 | 82.906 | -.00046 | -.00011 | .00024 | -.02245 | .00015 | 18.546 |
| #3 | -.00014 | 83.692 | -.00058 | -.00028 | .00097 | -.02501 | .00012 | 18.525 |

|        |         |        |        |        |         |        |        |         |
|--------|---------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00132 | .00024 | 34.931 | .00031 | -.00035 | 39.313 | .00076 | -.00846 |
| Stddev | .00053  | .00061 | .243   | .00058 | .00009  | .280   | .00019 | .00936  |
| %RSD   | 40.074  | 254.36 | .69506 | 189.59 | 25.095  | .71174 | 25.648 | 110.62  |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.00109 | .00093  | 35.071 | -.00035 | -.00027 | 39.484 | .00053 | .00123  |
| #2 | -.00193 | -.00022 | 34.651 | .00051  | -.00044 | 38.990 | .00086 | -.00917 |
| #3 | -.00095 | .00001  | 35.072 | .00076  | -.00033 | 39.465 | .00088 | -.01744 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04386 | .00078 | .00176 | .00070 | .00472 | -.0009 | .00898 | 1.0203 |
| Stddev | .02557 | .00095 | .00026 | .00045 | .00379 | .0019  | .00011 | .5185  |
| %RSD   | 58.305 | 122.09 | 14.937 | 64.687 | 80.365 | 206.1  | 1.2011 | 50.818 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .04047 | .00158  | .00186 | .00034 | .00250 | -.0005 | .00900 | .48546 |
| #2 | .02015 | -.00027 | .00147 | .00055 | .00256 | -.0030 | .00887 | 1.0548 |
| #3 | .07096 | .00102  | .00197 | .00120 | .00909 | .0008  | .00908 | 1.5208 |

Sample Name: K1161-03      Acquired: 2/1/2019 15:48:30      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      13.688  
 Stddev      .652  
 %RSD      4.7643

#1      14.339  
 #2      13.035  
 #3      13.689

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2866.4 | 34692. | 3676.7 | 10.516 | 2974.0 |
| Stddev    | 4.3    | 62.    | 18.7   | 1.081  | 6.8    |
| %RSD      | .15011 | .17802 | .50932 | 10.276 | .23023 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2870.1 | 34726. | 3685.0 | 11.066 | 2981.7 |
| #2 | 2861.7 | 34730. | 3689.7 | 11.211 | 2968.6 |
| #3 | 2867.5 | 34621. | 3655.2 | 9.2713 | 2971.7 |

Sample Name: K1161-04      Acquired: 2/1/2019 15:52:59      Type: Unk  
Method: P4-ICP2(v2820)      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    | .03218 | .01603 | .03525 | .08304 | .03753 | .91549 | .73671 |
| Stddev | .00134 | .00070 | .00042 | .00246 | .00026 | .01142 | .00612 |
| %RSD   | 4.1786 | 4.3808 | 1.1839 | 2.9586 | .70121 | 1.2469 | .83134 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .03067 | .01682 | .03510 | .08398 | .03749 | .91277 | .73529 |
| #2 | .03323 | .01577 | .03572 | .08489 | .03728 | .90569 | .74342 |
| #3 | .03265 | .01549 | .03492 | .08026 | .03780 | .92803 | .73143 |

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00859 | .04544 | .00659 | .16495 | -.00003 | 1.6727 | 1.5519 |
| Stddev | .00010 | .00010 | .01432 | .00114 | .00004  | .0025  | .0067  |
| %RSD   | 1.1522 | .22481 | 217.27 | .69101 | 121.23  | .14795 | .43428 |

|    |        |        |         |        |         |        |        |
|----|--------|--------|---------|--------|---------|--------|--------|
| #1 | .00861 | .04551 | .02306  | .16603 | -.00008 | 1.6727 | 1.5594 |
| #2 | .00868 | .04549 | -.00034 | .16506 | -.00003 | 1.6701 | 1.5463 |
| #3 | .00848 | .04532 | -.00295 | .16376 | .00000  | 1.6751 | 1.5499 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51786 | -.03381 | .44856 | .25124 | .03676 | .72336 | .69495 |
| Stddev | .00102 | .04709  | .00050 | .00017 | .00182 | .00506 | .00089 |
| %RSD   | .19763 | 139.27  | .11088 | .06674 | 4.9468 | .69961 | .12754 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .51837 | .00449  | .44811 | .25130 | .03885 | .72867 | .69482 |
| #2 | .51668 | -.08639 | .44909 | .25137 | .03576 | .72281 | .69589 |
| #3 | .51853 | -.01955 | .44848 | .25105 | .03566 | .71860 | .69414 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .11204 | .10384 | 1.8381 | .01279 | .10524 | .00016 | .00212 |
| Stddev | .02631 | .00031 | .0125  | .01141 | .00160 | .00070 | .00297 |
| %RSD   | 23.486 | .30275 | .68123 | 89.187 | 1.5213 | 445.61 | 140.26 |

|    |        |        |        |        |        |         |         |
|----|--------|--------|--------|--------|--------|---------|---------|
| #1 | .09309 | .10348 | 1.8241 | .00079 | .10345 | .00070  | -.00013 |
| #2 | .14208 | .10402 | 1.8419 | .01409 | .10575 | -.00064 | .00549  |
| #3 | .10094 | .10403 | 1.8483 | .02350 | .10653 | .00041  | .00100  |

Sample Name: K1161-04      Acquired: 2/1/2019 15:52:59      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |          |         |          |
|--------|----------|--------|----------|---------|----------|
| Elem   | Li6707   | P_1774 | Sr4077   | U_3670  | U_3859   |
| Units  | ppm      | ppm    | ppm      | ppm     | ppm      |
| Avg    | -0.00273 | .0005  | -0.00164 | <.00000 | F<.00000 |
| Stddev | .00289   | .0005  | .00002   | .28203  | .82535   |
| %RSD   | 105.74   | 103.1  | 1.3739   | 41.079  | 23.568   |

|    |          |        |          |         |         |
|----|----------|--------|----------|---------|---------|
| #1 | -0.00242 | .0009  | -0.00164 | -.81590 | -4.1702 |
| #2 | -0.00001 | .0007  | -0.00161 | -.88074 | -3.7564 |
| #3 | -0.00577 | -.0001 | -0.00166 | -.36306 | -2.5794 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2916.4 | 35905. | 3665.8 | 11.190 | 3185.2 |
| Stddev    | 4.3    | 154.   | 24.9   | 1.172  | 3.5    |
| %RSD      | .14688 | .42788 | .67968 | 10.477 | .11120 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2911.5 | 35788. | 3649.0 | 10.705 | 3185.5 |
| #2 | 2919.7 | 36079. | 3694.4 | 10.339 | 3181.6 |
| #3 | 2917.9 | 35848. | 3653.9 | 12.527 | 3188.7 |

Sample Name: K1161-06      Acquired: 2/1/2019 15:57:15      Type: Unk  
Method: P4-ICP2(v2820)      Mode: 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    | .00059 | .00013 | .00552 | -.00219 | .00106 | .01904 | -.00917 | .00002 |
| Stddev | .00125 | .00022 | .00044 | .00250  | .00020 | .00669 | .00794  | .00007 |
| %RSD   | 212.10 | 166.32 | 8.0674 | 114.14  | 18.600 | 35.134 | 86.564  | 312.76 |

|    |         |         |        |         |        |        |         |         |
|----|---------|---------|--------|---------|--------|--------|---------|---------|
| #1 | -.00017 | -.00007 | .00502 | -.00001 | .00123 | .02303 | -.00009 | .00008  |
| #2 | -.00010 | .00037  | .00588 | -.00491 | .00111 | .01132 | -.01266 | -.00006 |
| #3 | .00203  | .00010  | .00564 | -.00164 | .00084 | .02276 | -.01477 | .00005  |

|        |        |         |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00008 | -.00832 | -.00043 | -.00018 | -.00007 | -.01930 | -.00000 | .01160 |
| Stddev | .00007 | .01597  | .00016  | .00021  | .00046  | .00217  | .00003  | .01314 |
| %RSD   | 94.667 | 191.93  | 38.045  | 116.98  | 651.09  | 11.245  | 739.98  | 113.27 |

|    |         |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00009  | -.01013 | -.00043 | -.00041 | -.00060 | -.01711 | .00000  | -.00289 |
| #2 | .00014  | .00848  | -.00059 | -.00006 | .00026  | -.02145 | -.00004 | .02275  |
| #3 | -.00000 | -.02330 | -.00027 | -.00005 | .00013  | -.01934 | .00002  | .01494  |

|        |         |         |        |         |         |        |        |         |
|--------|---------|---------|--------|---------|---------|--------|--------|---------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00059 | -.00010 | 31.952 | -.00001 | -.00048 | .03938 | .00048 | -.01614 |
| Stddev | .00024  | .00029  | .547   | .00037  | .00010  | .07258 | .00022 | .00596  |
| %RSD   | 39.665  | 289.43  | 1.7125 | 4499.0  | 20.998  | 184.29 | 45.907 | 36.939  |

|    |         |         |        |         |         |         |        |         |
|----|---------|---------|--------|---------|---------|---------|--------|---------|
| #1 | -.00056 | -.00008 | 32.501 | .00040  | -.00048 | -.02051 | .00068 | -.01508 |
| #2 | -.00038 | .00017  | 31.949 | -.00011 | -.00058 | .01856  | .00025 | -.02256 |
| #3 | -.00084 | -.00040 | 31.407 | -.00032 | -.00038 | .12010  | .00050 | -.01077 |

|        |         |          |        |        |         |        |        |         |
|--------|---------|----------|--------|--------|---------|--------|--------|---------|
| Elem   | S_1820  | Si2881   | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm      | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.04053 | F 19.528 | .00004 | .00737 | -.00381 | .0005  | .00006 | <.00000 |
| Stddev | .01880  | .647     | .00079 | .00075 | .00011  | .0008  | .00008 | .31458  |
| %RSD   | 46.402  | 3.3121   | 2069.8 | 10.120 | 2.8776  | 171.7  | 127.59 | 29.861  |

|    |         |        |         |        |         |        |         |         |
|----|---------|--------|---------|--------|---------|--------|---------|---------|
| #1 | -.03241 | 20.230 | .00095  | .00796 | -.00386 | .0001  | -.00001 | -.86023 |
| #2 | -.06202 | 19.397 | -.00049 | .00653 | -.00368 | -.0001 | .00014  | -.88376 |
| #3 | -.02714 | 18.957 | -.00035 | .00762 | -.00388 | .0014  | .00006  | -1.4165 |

Sample Name: K1161-06      Acquired: 2/1/2019 15:57:15      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.4881 |
| Stddev | 1.0553 |
| %RSD   | 70.916 |

|    |        |
|----|--------|
| #1 | 2.2806 |
| #2 | 1.8935 |
| #3 | .29022 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3029.3 | 36602. | 3727.9 | 10.321 | 3254.6 |
| Stddev    | 9.0    | 196.   | 105.6  | 1.041  | 7.6    |
| %RSD      | .29844 | .53573 | 2.8320 | 10.087 | .23372 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3018.9 | 36552. | 3614.9 | 9.2792 | 3250.6 |
| #2 | 3035.4 | 36435. | 3744.8 | 10.323 | 3263.3 |
| #3 | 3033.6 | 36818. | 3824.0 | 11.361 | 3249.8 |

Sample Name: PB116628BL      Acquired: 2/1/2019 16:01:42      Type: Unk  
Method: P4-ICP2(v2820)      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    | -.00083 | -.00099 | -.00144 | -.00123 | .00076 | -.01603 | -.01556 |
| Stddev | .00067  | .00011  | .00039  | .00364  | .00060 | .00778  | .00673  |
| %RSD   | 80.382  | 11.141  | 27.239  | 296.01  | 79.593 | 48.541  | 43.231  |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.00081 | -.00101 | -.00132 | -.00369 | .00113 | -.01061 | -.01287 |
| #2 | -.00017 | -.00087 | -.00188 | .00295  | .00006 | -.02495 | -.01060 |
| #3 | -.00150 | -.00109 | -.00112 | -.00295 | .00109 | -.01254 | -.02322 |

|        |         |        |         |         |         |        |         |
|--------|---------|--------|---------|---------|---------|--------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00003 | .00004 | -.00056 | -.00038 | -.00000 | .00025 | -.00278 |
| Stddev | .00006  | .00004 | .01257  | .00036  | .00020  | .00005 | .00050  |
| %RSD   | 194.78  | 105.83 | 2247.0  | 94.583  | 12165.  | 22.106 | 17.898  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00007 | -.00001 | -.00166 | -.00079 | -.00013 | .00030 | -.00314 |
| #2 | -.00005 | .00005  | -.01254 | -.00026 | .00023  | .00025 | -.00221 |
| #3 | .00004  | .00007  | .01252  | -.00010 | -.00011 | .00019 | -.00300 |

|        |        |         |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00005 | -.01540 | .00031 | .00000 | .00790 | -.00022 | -.00012 |
| Stddev | .00004 | .03359  | .00028 | .00047 | .00691 | .00031  | .00015  |
| %RSD   | 89.053 | 218.11  | 89.895 | 14986. | 87.439 | 143.91  | 127.84  |

|    |        |         |        |         |        |         |         |
|----|--------|---------|--------|---------|--------|---------|---------|
| #1 | .00009 | .01216  | .00001 | .00040  | .01043 | -.00044 | -.00028 |
| #2 | .00003 | -.05281 | .00056 | -.00051 | .01320 | .00014  | -.00001 |
| #3 | .00001 | -.00555 | .00037 | .00013  | .00008 | -.00035 | -.00005 |

|        |        |        |         |          |        |         |        |
|--------|--------|--------|---------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm     | ppm    |
| Avg    | .12667 | .00033 | -.00108 | F .01847 | .00043 | -.00001 | .00410 |
| Stddev | .01312 | .00029 | .00505  | .02574   | .00183 | .00029  | .00310 |
| %RSD   | 10.361 | 87.841 | 468.78  | 139.32   | 431.58 | 2261.1  | 75.640 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .14021 | -.00000 | .00018  | .04563  | .00238  | .00030  | .00524 |
| #2 | .11400 | .00044  | .00322  | .01535  | -.00126 | -.00027 | .00059 |
| #3 | .12582 | .00054  | -.00663 | -.00556 | .00015  | -.00007 | .00647 |

Sample Name: PB116628BL      Acquired: 2/1/2019 16:01:42      Type: Unk  
Method: P4-ICP2(v2820)      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       | -.00268 | .0004  | .00007  | F<.00000 | F .16433 |
| Stddev    | .00264  | .0003  | .00012  | .68560   | 2.2714   |
| %RSD      | 98.383  | 74.68  | 168.55  | 89.457   | 1382.2   |
| #1        | .00035  | .0001  | .00003  | -.22571  | 1.2097   |
| #2        | -.00397 | .0007  | .00020  | -1.5375  | -2.4415  |
| #3        | -.00442 | .0003  | -.00003 | -.53595  | 1.7248   |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2936.7  | 36073. | 3689.0  | 11.233   | 3230.7   |
| Stddev    | 8.9     | 156.   | 42.7    | 1.442    | 7.2      |
| %RSD      | .30441  | .43376 | 1.1562  | 12.840   | .22153   |
| #1        | 2931.3  | 35894. | 3644.3  | 9.8545   | 3227.0   |
| #2        | 2931.8  | 36181. | 3693.7  | 12.732   | 3226.1   |
| #3        | 2947.0  | 36145. | 3729.2  | 11.114   | 3238.9   |

Sample Name: PB116628BS      Acquired: 2/1/2019 16:06:09      Type: Unk  
Method: P4-ICP2(v2820)      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    | .77114 | 1.9913 | .96380 | 1.9582 | .79290 | 1.9466 | .19967 |
| Stddev | .00334 | .0021  | .00148 | .0007  | .00324 | .0092  | .00360 |
| %RSD   | .43290 | .10526 | .15349 | .03694 | .40864 | .47221 | 1.8052 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76799 | 1.9898 | .96521 | 1.9578 | .79488 | 1.9459 | .19551 |
| #2 | .77081 | 1.9937 | .96226 | 1.9590 | .78916 | 1.9378 | .20194 |
| #3 | .77464 | 1.9903 | .96393 | 1.9577 | .79466 | 1.9561 | .20156 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19864 | .18764 | 1.0461 | .40610 | .19603 | .31618 | 3.2279 |
| Stddev | .00017 | .00056 | .0064  | .00067 | .00048 | .00119 | .0320  |
| %RSD   | .08722 | .29871 | .61088 | .16441 | .24265 | .37655 | .99024 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19878 | .18804 | 1.0388 | .40666 | .19592 | .31718 | 3.2646 |
| #2 | .19870 | .18700 | 1.0500 | .40536 | .19655 | .31487 | 3.2066 |
| #3 | .19845 | .18790 | 1.0497 | .40627 | .19562 | .31650 | 3.2124 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20977 | 2.0990 | .48592 | .07162 | 3.0947 | .29821 | .19656 |
| Stddev | .00056 | .0567  | .00067 | .00081 | .0203  | .00132 | .00016 |
| %RSD   | .26744 | 2.7030 | .13829 | 1.1373 | .65529 | .44154 | .08061 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20927 | 2.0623 | .48647 | .07221 | 3.1143 | .29826 | .19639 |
| #2 | .20967 | 2.1644 | .48612 | .07069 | 3.0961 | .29687 | .19659 |
| #3 | .21038 | 2.0704 | .48517 | .07196 | 3.0738 | .29950 | .19671 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.302 | .40866 | .29769 | F .53553 | .96758 | .67263 | .20713 |
| Stddev | .030   | .00048 | .00826 | .04469   | .01354 | .00261 | .00149 |
| %RSD   | .29131 | .11663 | 2.7737 | 8.3442   | 1.3994 | .38843 | .71994 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.291 | .40814 | .29748 | .56103 | .98114 | .67550 | .20875 |
| #2 | 10.279 | .40877 | .30605 | .56163 | .95406 | .67200 | .20684 |
| #3 | 10.336 | .40908 | .28954 | .48393 | .96753 | .67039 | .20581 |

Sample Name: PB116628BS      Acquired: 2/1/2019 16:06:09      Type: Unk  
 Method: P4-ICP2(v2820)      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       | .20129 | F 5.225 | .20400 | F 1.0661 | F<.00000 |
| Stddev    | .00110 | .007    | .00067 | .1545    | 1.4594   |
| %RSD      | .54455 | .1404   | .32711 | 14.496   | 6.7797   |
| #1        | .20081 | 5.232   | .20389 | 1.2427   | -20.383  |
| #2        | .20254 | 5.217   | .20471 | .95542   | -23.169  |
| #3        | .20051 | 5.224   | .20339 | 1.0002   | -21.025  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2893.9 | 35376.  | 3630.0 | 10.544   | 3109.7   |
| Stddev    | 6.6    | 48.     | 7.0    | 1.210    | 9.4      |
| %RSD      | .22836 | .13672  | .19316 | 11.474   | .30261   |
| #1        | 2887.6 | 35431.  | 3624.5 | 9.8364   | 3101.8   |
| #2        | 2900.8 | 35355.  | 3637.9 | 11.941   | 3120.1   |
| #3        | 2893.4 | 35340.  | 3627.6 | 9.8545   | 3107.1   |

Sample Name: PB116651BL      Acquired: 2/1/2019 16:10:16      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00211 | .00022  | -.00052 | .00010  | .00225  | .00532  | -.00983 | -.00005  |
| Stddev | .00145  | .00096  | .00087  | .00343  | .00258  | .00684  | .00878  | .00005   |
| %RSD   | 68.862  | 430.26  | 168.71  | 3322.1  | 114.56  | 128.50  | 89.314  | 87.095   |
| #1     | -.00312 | -.00061 | -.00148 | -.00361 | .00508  | .01267  | -.01412 | -.00010  |
| #2     | -.00045 | .00128  | -.00026 | .00076  | .00164  | .00412  | -.01565 | -.00005  |
| #3     | -.00275 | -.00000 | .00019  | .00316  | .00004  | -.00084 | .00027  | -.00001  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004  | -.00318 | .00002  | -.00011 | .00001  | -.00108 | .00003  | .00246   |
| Stddev | .00005  | .01548  | .00022  | .00022  | .00030  | .00137  | .00003  | .03708   |
| %RSD   | 118.25  | 486.74  | 990.67  | 194.42  | 2769.7  | 126.74  | 117.82  | 1508.8   |
| #1     | .00001  | -.00918 | .00027  | -.00017 | -.00033 | .00050  | .00005  | .03838   |
| #2     | .00009  | -.01476 | -.00011 | .00013  | .00015  | -.00182 | .00003  | .00466   |
| #3     | .00001  | .01440  | -.00010 | -.00029 | .00022  | -.00192 | -.00001 | -.03567  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00012 | -.00018 | -.00058 | .00000  | -.00025 | .10280  | -.00004 | -.00126  |
| Stddev | .00012  | .00029  | .00236  | .00023  | .00007  | .04167  | .00018  | .00332   |
| %RSD   | 97.456  | 164.47  | 407.17  | 6842.1  | 28.193  | 40.532  | 497.82  | 262.76   |
| #1     | -.00025 | -.00038 | .00213  | .00001  | -.00033 | .13172  | -.00003 | -.00038  |
| #2     | -.00009 | .00015  | -.00169 | .00023  | -.00020 | .12165  | -.00021 | -.00493  |
| #3     | -.00002 | -.00030 | -.00217 | -.00023 | -.00021 | .05504  | .00014  | .00153   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00433  | .00059  | -.00022 | .00222  | -.00220 | -.0002  | .00005  | F .02282 |
| Stddev | .01201  | .00294  | .00033  | .00267  | .00210  | .0019   | .00010  | .21114   |
| %RSD   | 277.49  | 497.39  | 151.83  | 120.53  | 95.096  | 1004.   | 191.28  | 925.17   |
| #1     | .00879  | -.00006 | -.00054 | -.00070 | .00018  | -.0017  | .00014  | .11071   |
| #2     | .01346  | .00380  | .00012  | .00455  | -.00375 | -.0008  | .00006  | .17583   |
| #3     | -.00927 | -.00197 | -.00023 | .00280  | -.00305 | .0019   | -.00005 | -.21807  |

Sample Name: PB116651BL      Acquired: 2/1/2019 16:10:16      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .86956  
Stddev      1.3231  
%RSD      152.15

#1      1.3328  
#2      1.8987  
#3      -.62284

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2913.4 | 35636. | 3662.8 | 10.559 | 3196.9 |
| Stddev    | 6.9    | 119.   | 24.7   | 1.551  | 13.0   |
| %RSD      | .23566 | .33383 | .67387 | 14.687 | .40746 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2905.9 | 35549. | 3665.7 | 9.8227 | 3184.5 |
| #2 | 2914.6 | 35587. | 3685.8 | 12.341 | 3195.6 |
| #3 | 2919.5 | 35771. | 3636.7 | 9.5136 | 3210.5 |

Sample Name: PB116651BS      Acquired: 2/1/2019 16:14:44      Type: Unk  
Method: P4-ICP2(v2820)      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    | .76047 | 1.9470 | .94866 | 1.8928   | .82661 | 1.9446 | .19046 |
| Stddev | .00112 | .0004  | .00347 | .0022    | .00214 | .0097  | .00173 |
| %RSD   | .14782 | .02321 | .36537 | .11643   | .25856 | .49672 | .90664 |
| #1     | .76111 | 1.9467 | .94567 | 1.8922   | .82702 | 1.9514 | .19237 |
| #2     | .76112 | 1.9467 | .95246 | 1.8953   | .82851 | 1.9488 | .18999 |
| #3     | .75917 | 1.9475 | .94785 | 1.8911   | .82430 | 1.9335 | .18901 |
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .19181 | .18256 | 1.0240 | .40120   | .19363 | .31334 | 3.1987 |
| Stddev | .00029 | .00033 | .0076  | .00296   | .00054 | .00036 | .0107  |
| %RSD   | .15220 | .18309 | .74209 | .73658   | .27956 | .11340 | .33610 |
| #1     | .19211 | .18217 | 1.0157 | .40027   | .19312 | .31374 | 3.1928 |
| #2     | .19153 | .18274 | 1.0305 | .39882   | .19356 | .31304 | 3.1921 |
| #3     | .19179 | .18277 | 1.0259 | .40450   | .19420 | .31325 | 3.2111 |
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .20710 | 2.0476 | .47993 | .06992   | 3.0918 | .29669 | .18540 |
| Stddev | .00066 | .0917  | .00051 | .00110   | .0224  | .00022 | .00023 |
| %RSD   | .31916 | 4.4765 | .10620 | 1.5737   | .72572 | .07525 | .12159 |
| #1     | .20699 | 1.9417 | .47936 | .06990   | 3.0828 | .29682 | .18542 |
| #2     | .20650 | 2.0982 | .48034 | .06883   | 3.0752 | .29644 | .18560 |
| #3     | .20781 | 2.1027 | .48009 | .07103   | 3.1173 | .29683 | .18516 |
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.279 | .42688 | .29298 | F 4.0551 | .96624 | .68923 | .21685 |
| Stddev | .049   | .00028 | .00613 | .0391    | .00535 | .00075 | .00228 |
| %RSD   | .47830 | .06602 | 2.0922 | .96368   | .55345 | .10889 | 1.0495 |
| #1     | 10.256 | .42656 | .28806 | 4.0307   | .97135 | .68942 | .21483 |
| #2     | 10.246 | .42709 | .29103 | 4.0345   | .96669 | .68841 | .21931 |
| #3     | 10.336 | .42698 | .29985 | 4.1002   | .96069 | .68987 | .21640 |

Sample Name: PB116651BS      Acquired: 2/1/2019 16:14:44      Type: Unk  
 Method: P4-ICP2(v2820)      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       | .20345 | F 5.089 | .20251 | F .62354 | F<.00000 |
| Stddev    | .00168 | .007    | .00086 | .37725   | .63614   |
| %RSD      | .82371 | .1441   | .42429 | 60.501   | 2.8404   |
| #1        | .20160 | 5.081   | .20152 | .58166   | -22.582  |
| #2        | .20486 | 5.093   | .20302 | .26897   | -21.688  |
| #3        | .20390 | 5.094   | .20300 | 1.0200   | -22.920  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2895.2 | 35715.  | 3647.5 | 10.733   | 3120.8   |
| Stddev    | 4.8    | 99.     | 13.9   | .266     | 2.7      |
| %RSD      | .16455 | .27761  | .38142 | 2.4782   | .08568   |
| #1        | 2889.9 | 35610.  | 3649.7 | 10.741   | 3120.0   |
| #2        | 2896.5 | 35729.  | 3632.6 | 10.995   | 3118.6   |
| #3        | 2899.1 | 35807.  | 3660.2 | 10.464   | 3123.7   |

Sample Name: K1161-06DLX10      Acquired: 2/1/2019 16:21:05      Type: Unk  
Method: P4-ICP2(v2820)      Mode: 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    | -.00212 | -.00066 | .00047 | -.00021 | .00119 | -.00499 | -.01306 | -.00010 |
| Stddev | .00191  | .00118  | .00031 | .00284  | .00125 | .02158  | .00348  | .00008  |
| %RSD   | 90.046  | 179.57  | 65.865 | 1370.9  | 105.10 | 432.60  | 26.693  | 73.706  |

|    |         |         |        |         |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00406 | .00055  | .00082 | .00176  | -.00015 | .01844  | -.01698 | -.00010 |
| #2 | -.00208 | -.00072 | .00027 | .00108  | .00140  | -.02406 | -.01032 | -.00019 |
| #3 | -.00023 | -.00180 | .00030 | -.00346 | .00233  | -.00934 | -.01187 | -.00003 |

|        |         |         |         |        |        |         |         |         |
|--------|---------|---------|---------|--------|--------|---------|---------|---------|
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00000 | -.00552 | -.00019 | .00014 | .00056 | -.00184 | -.00001 | -.01611 |
| Stddev | .00001  | .01256  | .00035  | .00019 | .00045 | .00170  | .00002  | .01604  |
| %RSD   | 249.97  | 227.33  | 184.54  | 136.58 | 79.454 | 92.577  | 474.88  | 99.580  |

|    |         |         |         |         |        |         |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00000 | .00001  | .00022  | .00031  | .00093 | -.00224 | .00002  | -.00161 |
| #2 | .00000  | .00331  | -.00038 | .00018  | .00069 | -.00330 | -.00002 | -.03335 |
| #3 | -.00001 | -.01990 | -.00041 | -.00007 | .00006 | .00003  | -.00002 | -.01337 |

|        |         |         |        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|--------|---------|---------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00030 | -.00003 | 3.2031 | -.00030 | -.00023 | .12324 | -.00011 | -.01232 |
| Stddev | .00019  | .00041  | .0123  | .00034  | .00006  | .03925 | .00012  | .01167  |
| %RSD   | 65.723  | 1204.9  | .38274 | 114.33  | 27.793  | 31.852 | 103.69  | 94.698  |

|    |         |         |        |         |         |        |         |         |
|----|---------|---------|--------|---------|---------|--------|---------|---------|
| #1 | -.00040 | -.00015 | 3.2113 | -.00012 | -.00016 | .14037 | -.00024 | -.01304 |
| #2 | -.00007 | .00043  | 3.2090 | -.00070 | -.00029 | .15101 | -.00001 | -.00031 |
| #3 | -.00042 | -.00038 | 3.1890 | -.00009 | -.00024 | .07833 | -.00009 | -.02361 |

|        |        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .02161 | 1.8623 | .00036 | .00377 | -.00267 | .0001  | .00011 | <.00000 |
| Stddev | .02398 | .0164  | .00052 | .00114 | .00349  | .0015  | .00003 | .49080  |
| %RSD   | 110.99 | .87956 | 145.14 | 30.219 | 131.04  | 1513.  | 24.446 | 194.27  |

|    |         |        |         |        |         |        |        |         |
|----|---------|--------|---------|--------|---------|--------|--------|---------|
| #1 | .04418  | 1.8806 | .00089  | .00398 | -.00658 | .0018  | .00014 | -.14522 |
| #2 | .02423  | 1.8489 | -.00015 | .00478 | .00015  | -.0004 | .00010 | .17556  |
| #3 | -.00358 | 1.8575 | .00033  | .00254 | -.00157 | -.0011 | .00010 | -.78825 |

Sample Name: K1161-06DLX10      Acquired: 2/1/2019 16:21:05      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .53979  
 Stddev      1.1246  
 %RSD      208.34

#1      -.45659  
 #2      .31673  
 #3      1.7592

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2917.6 | 35740. | 3686.7 | 10.123 | 3198.2 |
| Stddev    | 1.6    | 204.   | 36.0   | .665   | 2.3    |
| %RSD      | .05557 | .57151 | .97577 | 6.5731 | .07346 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2915.7 | 35641. | 3645.3 | 9.6114 | 3195.5 |
| #2 | 2918.7 | 35603. | 3704.9 | 9.8818 | 3199.6 |
| #3 | 2918.3 | 35975. | 3710.0 | 10.875 | 3199.5 |

Sample Name: CCV02      Acquired: 2/1/2019 16:25:33      Type: Unk  
Method: P4-ICP2(v2820)      Mode: 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    | 5.2206 | 5.1717 | 5.1814 | 5.1940 | 5.2245 | 10.256 | 10.142 | .26017   |
| Stddev | .0036  | .0062  | .0070  | .0181  | .0130  | .050   | .077   | .00086   |
| %RSD   | .06974 | .11883 | .13540 | .34839 | .24916 | .48495 | .75683 | .32976   |
| #1     | 5.2190 | 5.1739 | 5.1881 | 5.1863 | 5.2272 | 10.311 | 10.200 | .25924   |
| #2     | 5.2248 | 5.1765 | 5.1741 | 5.2147 | 5.2359 | 10.242 | 10.055 | .26032   |
| #3     | 5.2180 | 5.1648 | 5.1820 | 5.1810 | 5.2103 | 10.214 | 10.171 | .26094   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5696 | 25.652 | 1.0209 | 2.5739 | 1.3005 | 5.1477 | 2.5988 | 25.836   |
| Stddev | .0040  | .184   | .0035  | .0028  | .0025  | .0510  | .0045  | .079     |
| %RSD   | .15382 | .71609 | .34063 | .11004 | .18894 | .99165 | .17291 | .30465   |
| #1     | 2.5740 | 25.638 | 1.0169 | 2.5752 | 1.2993 | 5.1461 | 2.5937 | 25.778   |
| #2     | 2.5685 | 25.475 | 1.0233 | 2.5758 | 1.3033 | 5.0975 | 2.6016 | 25.805   |
| #3     | 2.5663 | 25.842 | 1.0225 | 2.5706 | 1.2989 | 5.1996 | 2.6013 | 25.926   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5508 | 1.2771 | 25.340 | 2.5391 | 2.5786 | 25.565 | 5.2433 | 5.0640   |
| Stddev | .0047  | .0054  | .201   | .0031  | .0019  | .252   | .0073  | .0213    |
| %RSD   | .18567 | .42600 | .79175 | .12228 | .07477 | .98635 | .13929 | .42128   |
| #1     | 2.5531 | 1.2709 | 25.437 | 2.5360 | 2.5792 | 25.821 | 5.2393 | 5.0817   |
| #2     | 2.5539 | 1.2795 | 25.109 | 2.5390 | 2.5802 | 25.317 | 5.2518 | 5.0403   |
| #3     | 2.5453 | 1.2809 | 25.473 | 2.5422 | 2.5764 | 25.558 | 5.2390 | 5.0701   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0421 | 5.0387 | 5.1264 | 5.2084 | 5.1369 | 5.068  | 5.2304 | F 2.8683 |
| Stddev | .0135  | .0712  | .0044  | .0272  | .0377  | .014   | .0376  | .2103    |
| %RSD   | .26852 | 1.4136 | .08507 | .52121 | .73411 | .2730  | .71832 | 7.3313   |
| #1     | 5.0555 | 5.0334 | 5.1305 | 5.2167 | 5.1571 | 5.052  | 5.2452 | 3.0077   |
| #2     | 5.0424 | 4.9703 | 5.1218 | 5.1781 | 5.0934 | 5.078  | 5.1877 | 2.6264   |
| #3     | 5.0284 | 5.1124 | 5.1270 | 5.2305 | 5.1602 | 5.073  | 5.2583 | 2.9708   |

Sample Name: CCV02      Acquired: 2/1/2019 16:25:33      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.9151 |
| Stddev | .9660    |
| %RSD   | 33.138   |

|    |        |
|----|--------|
| #1 | 2.7694 |
| #2 | 3.9457 |
| #3 | 2.0302 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2780.2 | 33842. | 3617.9 | 9.6823 | 2778.9 |
| Stddev    | 1.8    | 52.    | 37.3   | 1.1853 | 2.9    |
| %RSD      | .06298 | .15327 | 1.0312 | 12.242 | .10402 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2781.4 | 33792. | 3605.0 | 9.1459 | 2775.8 |
| #2 | 2778.2 | 33840. | 3659.9 | 11.041 | 2779.3 |
| #3 | 2781.2 | 33896. | 3588.7 | 8.8600 | 2781.5 |

Sample Name: CCB02      Acquired: 2/1/2019 16:29:33      Type: Unk  
Method: P4-ICP2(v2820)      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    | -.00055 | .00184 | -.00029 | .00040 | .00087 | .00194 | -.01317 |
| Stddev | .00154  | .00142 | .00070  | .00249 | .00063 | .01059 | .00592  |
| %RSD   | 281.68  | 77.297 | 240.77  | 629.90 | 71.869 | 545.78 | 44.966  |

|    |         |        |         |         |        |         |         |
|----|---------|--------|---------|---------|--------|---------|---------|
| #1 | -.00088 | .00329 | -.00026 | -.00030 | .00032 | .00729  | -.00890 |
| #2 | .00113  | .00178 | .00040  | .00316  | .00155 | .00879  | -.01068 |
| #3 | -.00190 | .00045 | -.00101 | -.00168 | .00074 | -.01026 | -.01993 |

|        |         |        |        |        |        |        |         |
|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00001 | .00001 | .00495 | .00015 | .00006 | .00003 | -.00076 |
| Stddev | .00002  | .00004 | .01214 | .00003 | .00025 | .00024 | .00260  |
| %RSD   | 152.61  | 346.40 | 245.28 | 20.556 | 417.21 | 740.53 | 343.94  |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00003 | .00003  | .01155  | .00018 | -.00003 | .00000  | -.00276 |
| #2 | -.00001 | .00003  | -.00906 | .00012 | -.00014 | .00028  | .00218  |
| #3 | .00000  | -.00003 | .01235  | .00016 | .00034  | -.00019 | -.00168 |

|        |        |         |        |        |         |         |         |
|--------|--------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00014 | -.02325 | .00002 | .00011 | -.00825 | -.00036 | -.00020 |
| Stddev | .00007 | .01694  | .00045 | .00062 | .01367  | .00085  | .00008  |
| %RSD   | 49.224 | 72.856  | 2569.0 | 579.35 | 165.77  | 237.36  | 40.531  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00010 | -.01715 | -.00025 | .00081  | -.00367 | -.00133 | -.00010 |
| #2 | .00022 | -.01020 | .00054  | -.00035 | -.02362 | -.00006 | -.00024 |
| #3 | .00010 | -.04239 | -.00023 | -.00014 | .00255  | .00030  | -.00025 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .09612 | .00013 | .00315 | .00178 | .00002 | -.00005 | .00386 |
| Stddev | .05436 | .00021 | .00696 | .02956 | .00100 | .00057  | .00115 |
| %RSD   | 56.556 | 166.34 | 221.00 | 1665.2 | 6113.7 | 1166.0  | 29.914 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .07023 | .00034  | .00954  | .03461  | -.00093 | -.00032 | .00518 |
| #2 | .05954 | .00011  | .00418  | -.00657 | -.00008 | -.00043 | .00339 |
| #3 | .15859 | -.00008 | -.00427 | -.02272 | .00106  | .00061  | .00301 |

Sample Name: CCB02      Acquired: 2/1/2019 16:29:33      Type: Unk  
 Method: P4-ICP2(v2820)      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       | -.00228 | .0005  | .00018 | F<.00000 | F<.00000 |
| Stddev    | .00127  | .0003  | .00003 | .06525   | 1.5677   |
| %RSD      | 55.695  | 53.78  | 19.007 | 8.2024   | 555.37   |
| #1        | -.00213 | .0005  | .00021 | -.72943  | -1.4125  |
| #2        | -.00362 | .0007  | .00019 | -.79702  | -.94177  |
| #3        | -.00110 | .0002  | .00014 | -.85989  | 1.5074   |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2909.2  | 35848. | 3658.8 | 9.8106   | 3196.7   |
| Stddev    | 15.3    | 158.   | 37.7   | 1.0919   | 15.7     |
| %RSD      | .52484  | .44015 | 1.0299 | 11.129   | .48956   |
| #1        | 2913.7  | 35667. | 3634.0 | 8.6227   | 3192.0   |
| #2        | 2892.2  | 35956. | 3640.2 | 10.039   | 3183.9   |
| #3        | 2921.7  | 35922. | 3702.1 | 10.770   | 3214.1   |

Sample Name: LR CHECK 1      Acquired: 2/1/2019 16:34:52      Type: Unk  
Method: P4-ICP2(v2820)      Mode: 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    | -.07459 | -.02672 | .06028 | .06230 | .00973 | 2079.4 | -.01895 | .00287 |
| Stddev | .00238  | .00277  | .00631 | .00532 | .00783 | 6.3    | .00172  | .00052 |
| %RSD   | 3.1864  | 10.350  | 10.470 | 8.5453 | 80.418 | .30109 | 9.0543  | 18.190 |

|    |         |         |        |        |        |        |         |        |
|----|---------|---------|--------|--------|--------|--------|---------|--------|
| #1 | -.07734 | -.02974 | .05866 | .06016 | .00935 | 2074.6 | -.01955 | .00297 |
| #2 | -.07327 | -.02432 | .06724 | .06837 | .01775 | 2077.0 | -.01701 | .00231 |
| #3 | -.07317 | -.02609 | .05493 | .05839 | .00211 | 2086.4 | -.02029 | .00334 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01173 | 1820.9 | -.01049 | .04283 | .75133 | 963.48 | .00681 | 1963.2 |
| Stddev | .00056  | 10.7   | .00069  | .00143 | .00146 | 1.92   | .00025 | 4.1    |
| %RSD   | 4.7456  | .59018 | 6.5795  | 3.3372 | .19395 | .19882 | 3.6142 | .21085 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.01211 | 1810.5 | -.01123 | .04201 | .75070 | 965.69 | .00704 | 1959.7 |
| #2 | -.01109 | 1820.2 | -.01038 | .04448 | .75030 | 962.50 | .00686 | 1967.8 |
| #3 | -.01198 | 1832.0 | -.00987 | .04200 | .75300 | 962.26 | .00655 | 1962.1 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .02233 | -.06544 | 1747.1 | .00531 | .08362 | 1025.1 | -.00797 | .62170 |
| Stddev | .00229 | .00072  | 7.3    | .00067 | .00098 | 4.0    | .00155  | .00775 |
| %RSD   | 10.254 | 1.0983  | .41662 | 12.568 | 1.1672 | .39281 | 19.430  | 1.2460 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .02092 | -.06466 | 1751.2 | .00470 | .08252 | 1023.3 | -.00891 | .62785 |
| #2 | .02109 | -.06607 | 1751.3 | .00602 | .08398 | 1022.2 | -.00618 | .61300 |
| #3 | .02497 | -.06558 | 1738.7 | .00520 | .08437 | 1029.7 | -.00881 | .62425 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .62808 | -.04301 | .07195 | -.04830 | .18655 | .0292  | -1.0434 | 3.8703 |
| Stddev | .14690 | .00461  | .00132 | .00332  | .00206 | .0057  | .0023   | .3575  |
| %RSD   | 23.389 | 10.709  | 1.8310 | 6.8829  | 1.1028 | 19.47  | .21928  | 9.2378 |

|    |        |         |        |         |        |       |         |        |
|----|--------|---------|--------|---------|--------|-------|---------|--------|
| #1 | .60846 | -.03904 | .07347 | -.05206 | .18424 | .0330 | -1.0460 | 4.1407 |
| #2 | .78380 | -.04192 | .07112 | -.04577 | .18722 | .0226 | -1.0423 | 4.0052 |
| #3 | .49197 | -.04806 | .07126 | -.04706 | .18819 | .0318 | -1.0418 | 3.4649 |

Sample Name: LR CHECK 1      Acquired: 2/1/2019 16:34:52      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      3.0014  
 %RSD      .10849

#1      -2765.2  
 #2      -2764.3  
 #3      -2769.9

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2037.2 | 23735. | 3161.5 | 11.239 | 1568.4 |
| Stddev    | 4.1    | 25.    | 6.3    | 1.055  | 5.7    |
| %RSD      | .20010 | .10557 | .19953 | 9.3865 | .36241 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2035.5 | 23707. | 3167.1 | 12.361 | 1569.5 |
| #2 | 2041.8 | 23746. | 3162.7 | 10.266 | 1573.4 |
| #3 | 2034.1 | 23753. | 3154.7 | 11.091 | 1562.2 |

Sample Name: LR CHECK 2      Acquired: 2/1/2019 16:39:54      Type: Unk  
Method: P4-ICP2(v2820)      Mode: 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    | -.00371 | -.00786 | 254.13 | .02844 | -.05756 | .59617 | 104.02 | -.00121 |
| Stddev | .00062  | .00230  | 2.56   | .00208 | .00179  | .01111 | .40    | .00003  |
| %RSD   | 16.640  | 29.204  | 1.0067 | 7.3210 | 3.1159  | 1.8638 | .38537 | 2.4909  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00432 | -.00671 | 256.82 | .02901 | -.05889 | .60748 | 104.39 | -.00117 |
| #2 | -.00371 | -.00637 | 251.73 | .03018 | -.05826 | .59574 | 103.59 | -.00123 |
| #3 | -.00309 | -.01050 | 253.85 | .02614 | -.05552 | .58527 | 104.08 | -.00122 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01125 | 1.4777 | -.13714 | -.00705 | 253.27 | 1.2254 | 46.176 | 1.1679 |
| Stddev | .00007  | .0067  | .00109  | .00011  | 2.24   | .0201  | .361   | .0064  |
| %RSD   | .64379  | .45648 | .79603  | 1.5863  | .88338 | 1.6406 | .78175 | .54863 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.01125 | 1.4843 | -.13839 | -.00711 | 255.76 | 1.2464 | 46.442 | 1.1749 |
| #2 | -.01118 | 1.4779 | -.13637 | -.00711 | 251.43 | 1.2063 | 46.321 | 1.1624 |
| #3 | -.01133 | 1.4708 | -.13666 | -.00692 | 252.63 | 1.2236 | 45.766 | 1.1663 |

|        |        |        |        |         |        |        |         |         |
|--------|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | 53.680 | .00836 | 2.1725 | -.04402 | 38.420 | 1.2640 | -.00788 | -.01008 |
| Stddev | .156   | .00044 | .0649  | .00053  | .201   | .0417  | .00024  | .01339  |
| %RSD   | .29153 | 5.3064 | 2.9853 | 1.1966  | .52376 | 3.2968 | 3.0698  | 132.81  |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | 53.828 | .00877 | 2.2372 | -.04372 | 38.564 | 1.3003 | -.00810 | -.02170 |
| #2 | 53.695 | .00789 | 2.1727 | -.04370 | 38.505 | 1.2732 | -.00791 | -.01310 |
| #3 | 53.516 | .00841 | 2.1075 | -.04462 | 38.190 | 1.2185 | -.00762 | .00456  |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.05085 | -.00687 | .00294 | .00144 | .00058 | -.1163 | .00043 | 2.0375 |
| Stddev | .03248  | .00180  | .00117 | .00054 | .00103 | .0045  | .00005 | .1034  |
| %RSD   | 63.877  | 26.270  | 39.750 | 37.188 | 177.97 | 3.845  | 12.432 | 5.0759 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.03728 | -.00809 | .00377 | .00201 | .00071  | -.1210 | .00042 | 1.9683 |
| #2 | -.08792 | -.00480 | .00345 | .00094 | -.00051 | -.1121 | .00048 | 1.9877 |
| #3 | -.02736 | -.00773 | .00160 | .00138 | .00154  | -.1158 | .00037 | 2.1564 |

Sample Name: LR CHECK 2      Acquired: 2/1/2019 16:39:54      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 50.488 |
| Stddev | 1.684  |
| %RSD   | 3.3350 |

|    |        |
|----|--------|
| #1 | 49.935 |
| #2 | 49.151 |
| #3 | 52.379 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2477.7 | 35089. | 3618.2 | 6.8594 | 2862.2 |
| Stddev    | 14.6   | 67.    | 14.6   | 1.9297 | 13.1   |
| %RSD      | .59051 | .19081 | .40477 | 28.133 | .45724 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2460.9 | 35018. | 3603.0 | 8.4818 | 2847.0 |
| #2 | 2487.8 | 35098. | 3632.3 | 7.3709 | 2869.6 |
| #3 | 2484.4 | 35152. | 3619.2 | 4.7254 | 2869.9 |

Sample Name: PB116756BS      Acquired: 2/1/2019 16:44:40      Type: Unk  
Method: P4-ICP2(v2820)      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    | .83493 | 2.1145 | 1.0439 | 2.0645 | .85267 | 2.1137 | .21024 |
| Stddev | .00348 | .0011  | .0018  | .0059  | .00092 | .0414  | .00560 |
| %RSD   | .41705 | .05051 | .16825 | .28608 | .10739 | 1.9597 | 2.6614 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83662 | 2.1133 | 1.0451 | 2.0612 | .85331 | 2.0869 | .21321 |
| #2 | .83092 | 2.1150 | 1.0447 | 2.0713 | .85162 | 2.0928 | .20379 |
| #3 | .83724 | 2.1152 | 1.0419 | 2.0610 | .85308 | 2.1614 | .21373 |

|        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .20802 | .20178 | 1.1528 | .45027 | .21437 | .34482 | F 3.6089 |
| Stddev | .00037 | .00032 | .0101  | .00274 | .00022 | .00152 | .0296    |
| %RSD   | .17958 | .15971 | .87861 | .60926 | .10117 | .43990 | .82026   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20796 | .20142 | 1.1475 | .45001 | .21431 | .34649 | 3.6352 |
| #2 | .20842 | .20190 | 1.1465 | .44766 | .21461 | .34446 | 3.6147 |
| #3 | .20768 | .20203 | 1.1645 | .45313 | .21419 | .34352 | 3.5768 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | .23113 | 2.3364 | .53052 | .07527 | F 3.7498 | .33217 | .20342 |
| Stddev | .00073 | .0294  | .00122 | .00055 | .0177    | .00030 | .00059 |
| %RSD   | .31490 | 1.2592 | .23078 | .72411 | .47135   | .08973 | .29113 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23047 | 2.3024 | .52951 | .07564 | 3.7701 | .33211 | .20330 |
| #2 | .23101 | 2.3529 | .53188 | .07465 | 3.7382 | .33249 | .20406 |
| #3 | .23191 | 2.3538 | .53016 | .07553 | 3.7411 | .33190 | .20290 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 11.717 | .45750 | .31928 | F .00290 | 1.0167 | .71958 | .22626 |
| Stddev | .024   | .00037 | .00388 | .00851   | .0103  | .00214 | .00217 |
| %RSD   | .20310 | .08057 | 1.2156 | 293.32   | 1.0161 | .29684 | .95690 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 11.735 | .45745 | .32359 | .00053  | 1.0229 | .71732 | .22398 |
| #2 | 11.727 | .45789 | .31817 | -.00417 | 1.0225 | .72156 | .22652 |
| #3 | 11.690 | .45716 | .31607 | .01235  | 1.0048 | .71986 | .22828 |

Sample Name: PB116756BS      Acquired: 2/1/2019 16:44:40      Type: Unk  
 Method: P4-ICP2(v2820)      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       | .23249 | 5.518  | .22756 | .70188 | F<.00000 |
| Stddev    | .00349 | .003   | .00053 | .35797 | 1.5546   |
| %RSD      | 1.5004 | .0585  | .23345 | 51.001 | 6.5360   |
| #1        | .23011 | 5.515  | .22700 | .64530 | -24.654  |
| #2        | .23650 | 5.516  | .22763 | .37558 | -24.712  |
| #3        | .23088 | 5.521  | .22805 | 1.0848 | -21.991  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 2859.0 | 35500. | 3578.7 | 10.899 | 3098.9   |
| Stddev    | 12.1   | 147.   | 35.0   | .583   | 10.8     |
| %RSD      | .42338 | .41484 | .97684 | 5.3531 | .34726   |
| #1        | 2850.4 | 35635. | 3555.1 | 10.634 | 3091.7   |
| #2        | 2853.8 | 35521. | 3562.2 | 10.495 | 3093.7   |
| #3        | 2872.8 | 35343. | 3618.9 | 11.568 | 3111.2   |

Sample Name: PB116744BS      Acquired: 2/1/2019 16:48:45      Type: Unk  
Method: P4-ICP2(v2820)      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    | .79361 | 2.0149 | .98917 | 1.9647 | .81352 | 2.0179 | .18255 |
| Stddev | .00416 | .0056  | .00124 | .0053  | .00344 | .0038  | .00146 |
| %RSD   | .52425 | .27697 | .12545 | .26849 | .42252 | .18905 | .79926 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .79841 | 2.0207 | .99022 | 1.9691 | .81714 | 2.0146 | .18225 |
| #2 | .79136 | 2.0096 | .98949 | 1.9662 | .81313 | 2.0220 | .18126 |
| #3 | .79106 | 2.0145 | .98780 | 1.9588 | .81030 | 2.0169 | .18413 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19807 | .19155 | 1.0851 | .42873 | .20305 | .32590 | 3.4111 |
| Stddev | .00031 | .00044 | .0144  | .00159 | .00020 | .00110 | .0056  |
| %RSD   | .15671 | .23212 | 1.3267 | .37001 | .10049 | .33872 | .16538 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19842 | .19205 | 1.0836 | .42709 | .20297 | .32701 | 3.4054 |
| #2 | .19798 | .19139 | 1.1002 | .43026 | .20328 | .32589 | 3.4167 |
| #3 | .19782 | .19121 | 1.0715 | .42885 | .20289 | .32480 | 3.4112 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21887 | 2.1470 | .50112 | .07288 | 3.4284 | .31600 | .19166 |
| Stddev | .00063 | .0116  | .00120 | .00031 | .0250  | .00153 | .00020 |
| %RSD   | .28970 | .53886 | .23890 | .42453 | .72761 | .48459 | .10531 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21910 | 2.1385 | .50174 | .07258 | 3.4489 | .31633 | .19181 |
| #2 | .21935 | 2.1422 | .50188 | .07287 | 3.4006 | .31734 | .19175 |
| #3 | .21815 | 2.1602 | .49974 | .07320 | 3.4357 | .31433 | .19143 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 11.007 | .43374 | .29969 | F .00017 | .98179 | .68410 | .21641 |
| Stddev | .026   | .00109 | .00157 | .03817   | .00474 | .00246 | .00118 |
| %RSD   | .23673 | .25064 | .52257 | 21949.   | .48310 | .35913 | .54610 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 11.026 | .43455 | .29949 | -.01123 | .97748 | .68601 | .21777 |
| #2 | 10.977 | .43417 | .30134 | .04275  | .98687 | .68132 | .21562 |
| #3 | 11.017 | .43251 | .29823 | -.03100 | .98102 | .68496 | .21584 |

Sample Name: PB116744BS      Acquired: 2/1/2019 16:48:45      Type: Unk  
Method: P4-ICP2(v2820)      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       | .21564 | 5.245  | .21481 | F .63713 | F<.00000 |
| Stddev    | .00383 | .013   | .00037 | .19052   | .91888   |
| %RSD      | 1.7772 | .2454  | .17230 | 29.903   | 3.8637   |
| #1        | .21183 | 5.259  | .21476 | .84670   | -23.313  |
| #2        | .21560 | 5.242  | .21446 | .47439   | -24.841  |
| #3        | .21949 | 5.234  | .21520 | .59030   | -23.193  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2895.4 | 35837. | 3638.9 | 9.5106   | 3140.2   |
| Stddev    | 12.2   | 84.    | 4.5    | .6039    | 7.4      |
| %RSD      | .41991 | .23310 | .12407 | 6.3492   | .23676   |
| #1        | 2882.0 | 35741. | 3642.5 | 10.127   | 3132.8   |
| #2        | 2898.5 | 35876. | 3633.8 | 9.4841   | 3140.2   |
| #3        | 2905.7 | 35893. | 3640.2 | 8.9205   | 3147.7   |

Sample Name: PB116704BS      Acquired: 2/1/2019 16:52:51      Type: Unk  
Method: P4-ICP2(v2820)      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    | .77411 | 1.9835 | .96655 | 1.9164 | .82947 | 1.9152 | .18779 |
| Stddev | .00060 | .0044  | .00433 | .0021  | .00538 | .0153  | .00518 |
| %RSD   | .07789 | .22183 | .44847 | .10913 | .64872 | .79715 | 2.7590 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77421 | 1.9884 | .96448 | 1.9140 | .83303 | 1.9055 | .18184 |
| #2 | .77347 | 1.9800 | .96363 | 1.9175 | .83211 | 1.9328 | .19021 |
| #3 | .77466 | 1.9819 | .97153 | 1.9178 | .82328 | 1.9074 | .19131 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19505 | .18563 | 1.0565 | .40763 | .19647 | .31731 | 3.3000 |
| Stddev | .00048 | .00039 | .0155  | .00137 | .00031 | .00127 | .0385  |
| %RSD   | .24839 | .21097 | 1.4710 | .33556 | .15591 | .40017 | 1.1661 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19453 | .18564 | 1.0406 | .40621 | .19667 | .31826 | 3.3130 |
| #2 | .19514 | .18523 | 1.0572 | .40774 | .19612 | .31779 | 3.2567 |
| #3 | .19549 | .18601 | 1.0716 | .40894 | .19663 | .31587 | 3.3303 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21033 | 2.1185 | .48686 | .07099 | 3.2361 | .30080 | .19109 |
| Stddev | .00039 | .0080  | .00074 | .00028 | .0123  | .00236 | .00077 |
| %RSD   | .18463 | .37654 | .15105 | .39849 | .37905 | .78455 | .40245 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21006 | 2.1217 | .48766 | .07073 | 3.2493 | .30122 | .19082 |
| #2 | .21077 | 2.1243 | .48622 | .07129 | 3.2338 | .30292 | .19049 |
| #3 | .21016 | 2.1094 | .48671 | .07094 | 3.2251 | .29825 | .19196 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.557 | .42848 | .29220 | F 3.9297 | .99230 | .69971 | .21912 |
| Stddev | .078   | .00296 | .00401 | .2571    | .00890 | .00139 | .00148 |
| %RSD   | .74239 | .69107 | 1.3738 | 6.5421   | .89655 | .19847 | .67720 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.466 | .43075 | .28763 | 4.1102 | .99143 | .70083 | .22063 |
| #2 | 10.600 | .42957 | .29385 | 4.0436 | .98387 | .69816 | .21905 |
| #3 | 10.604 | .42513 | .29513 | 3.6354 | 1.0016 | .70014 | .21766 |

Sample Name: PB116704BS      Acquired: 2/1/2019 16:52:51      Type: Unk  
 Method: P4-ICP2(v2820)      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       | .20983 | 5.188  | .20577 | .89911 | F<.00000 |
| Stddev    | .00216 | .012   | .00043 | .11611 | 1.6126   |
| %RSD      | 1.0294 | .2277  | .20940 | 12.914 | 6.9494   |
| #1        | .21168 | 5.183  | .20582 | .77867 | -23.867  |
| #2        | .20746 | 5.180  | .20532 | 1.0103 | -21.366  |
| #3        | .21035 | 5.202  | .20618 | .90832 | -24.381  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 2907.8 | 35722. | 3609.8 | 10.108 | 3124.4   |
| Stddev    | 11.3   | 163.   | 20.5   | 1.443  | 9.8      |
| %RSD      | .38769 | .45685 | .56664 | 14.280 | .31430   |
| #1        | 2904.2 | 35844. | 3596.9 | 8.4477 | 3118.3   |
| #2        | 2898.8 | 35537. | 3633.4 | 11.068 | 3119.1   |
| #3        | 2920.5 | 35786. | 3599.1 | 10.807 | 3135.7   |

Sample Name: PB116757BS      Acquired: 2/1/2019 16:56:57      Type: Unk  
Method: P4-ICP2(v2820)      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    | .80915 | 2.0843 | 1.0093 | 2.0385 | .82114 | 2.0066 | .20029 |
| Stddev | .00341 | .0049  | .0011  | .0040  | .00168 | .0078  | .00540 |
| %RSD   | .42116 | .23350 | .11216 | .19569 | .20436 | .39009 | 2.6985 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80545 | 2.0796 | 1.0106 | 2.0429 | .81921 | 1.9994 | .19765 |
| #2 | .81216 | 2.0893 | 1.0087 | 2.0374 | .82191 | 2.0054 | .19671 |
| #3 | .80983 | 2.0839 | 1.0086 | 2.0351 | .82229 | 2.0149 | .20651 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20757 | .19640 | 1.0969 | .42794 | .20432 | .32913 | 3.4505 |
| Stddev | .00068 | .00029 | .0053  | .00119 | .00077 | .00072 | .0177  |
| %RSD   | .32812 | .14630 | .48087 | .27859 | .37702 | .21754 | .51257 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20727 | .19671 | 1.0951 | .42826 | .20370 | .32942 | 3.4630 |
| #2 | .20709 | .19634 | 1.0927 | .42662 | .20518 | .32832 | 3.4302 |
| #3 | .20835 | .19614 | 1.1028 | .42895 | .20408 | .32966 | 3.4581 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21933 | 2.1515 | .50730 | .07589 | 3.3005 | .31211 | .19924 |
| Stddev | .00042 | .0329  | .00148 | .00049 | .0197  | .00059 | .00009 |
| %RSD   | .19263 | 1.5309 | .29174 | .64103 | .59778 | .18798 | .04522 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21915 | 2.1470 | .50559 | .07534 | 3.3131 | .31222 | .19930 |
| #2 | .21903 | 2.1210 | .50816 | .07608 | 3.2778 | .31147 | .19928 |
| #3 | .21982 | 2.1864 | .50816 | .07626 | 3.3107 | .31262 | .19914 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.762 | .42271 | .30537 | F -.00598 | 1.0279 | .70036 | .21177 |
| Stddev | .059   | .00103 | .01340 | .03200    | .0059  | .00107 | .00054 |
| %RSD   | .55088 | .24436 | 4.3886 | 535.32    | .57333 | .15286 | .25599 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.786 | .42216 | .32080 | -.03795 | 1.0318 | .69963 | .21149 |
| #2 | 10.694 | .42208 | .29866 | .02606  | 1.0211 | .69987 | .21143 |
| #3 | 10.805 | .42390 | .29664 | -.00605 | 1.0308 | .70159 | .21240 |

Sample Name: PB116757BS      Acquired: 2/1/2019 16:56:57      Type: Unk  
Method: P4-ICP2(v2820)      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       | .21488 | 5.470  | .21255 | F 1.8193 | F<.00000 |
| Stddev    | .00276 | .012   | .00093 | .2713    | 1.3417   |
| %RSD      | 1.2859 | .2120  | .43525 | 14.912   | 5.8326   |
| #1        | .21475 | 5.482  | .21245 | 1.9428   | -24.550  |
| #2        | .21219 | 5.468  | .21168 | 1.5082   | -22.144  |
| #3        | .21771 | 5.459  | .21352 | 2.0068   | -22.318  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2911.8 | 35316. | 3581.1 | 9.4735   | 3116.8   |
| Stddev    | 10.9   | 102.   | 15.5   | 1.6918   | 6.5      |
| %RSD      | .37371 | .28956 | .43282 | 17.858   | .20849   |
| #1        | 2917.5 | 35268. | 3577.5 | 11.418   | 3122.4   |
| #2        | 2918.7 | 35433. | 3598.1 | 8.3409   | 3118.5   |
| #3        | 2899.3 | 35246. | 3567.7 | 8.6614   | 3109.7   |

Sample Name: PB116704BL      Acquired: 2/1/2019 17:01:01      Type: Unk  
Method: P4-ICP2(v2820)      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    | .00023 | -.00013 | .00074 | -.00188 | .00063 | -.00772 | -.01742 |
| Stddev | .00053 | .00086  | .00028 | .00300  | .00176 | .02301  | .00441  |
| %RSD   | 230.47 | 659.83  | 37.346 | 159.18  | 277.45 | 298.01  | 25.300  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00024  | .00085  | .00085 | -.00070 | .00172  | .00958  | -.01260 |
| #2 | -.00030 | -.00052 | .00043 | .00034  | -.00139 | -.03383 | -.02125 |
| #3 | .00075  | -.00073 | .00095 | -.00529 | .00157  | .00110  | -.01840 |

|        |         |         |         |         |        |        |         |
|--------|---------|---------|---------|---------|--------|--------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00004 | -.00003 | -.00235 | -.00033 | .00014 | .00026 | -.00124 |
| Stddev | .00004  | .00005  | .00583  | .00015  | .00026 | .00028 | .00156  |
| %RSD   | 118.81  | 172.01  | 247.71  | 45.377  | 182.30 | 108.73 | 125.16  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00001  | -.00004 | -.00905 | -.00047 | -.00013 | .00014 | -.00067 |
| #2 | -.00008 | .00003  | .00045  | -.00018 | .00038  | .00058 | -.00005 |
| #3 | -.00004 | -.00007 | .00155  | -.00033 | .00018  | .00005 | -.00301 |

|        |        |         |         |         |        |         |        |
|--------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00004 | -.00594 | -.00005 | -.00002 | .08727 | -.00031 | .00121 |
| Stddev | .00003 | .03142  | .00024  | .00049  | .02197 | .00016  | .00005 |
| %RSD   | 90.469 | 528.72  | 487.27  | 2943.2  | 25.169 | 51.259  | 4.4628 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00000 | -.04158 | .00018  | -.00052 | .07997 | -.00029 | .00123 |
| #2 | .00005  | .00603  | -.00004 | .00002  | .11196 | -.00016 | .00124 |
| #3 | .00006  | .01772  | -.00029 | .00045  | .06989 | -.00048 | .00114 |

|        |        |        |         |          |        |         |        |
|--------|--------|--------|---------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm     | ppm    |
| Avg    | .16609 | .00010 | -.00098 | F .00765 | .00044 | -.00018 | .00305 |
| Stddev | .01757 | .00012 | .00920  | .00556   | .00102 | .00029  | .00071 |
| %RSD   | 10.580 | 113.08 | 934.92  | 72.602   | 229.74 | 163.85  | 23.207 |

|    |        |         |         |        |         |         |        |
|----|--------|---------|---------|--------|---------|---------|--------|
| #1 | .14931 | .00010  | -.00853 | .00131 | .00100  | -.00009 | .00228 |
| #2 | .16460 | .00022  | .00926  | .01166 | .00107  | .00006  | .00320 |
| #3 | .18436 | -.00001 | -.00368 | .00999 | -.00073 | -.00050 | .00367 |

Sample Name: PB116704BL      Acquired: 2/1/2019 17:01:01      Type: Unk  
Method: P4-ICP2(v2820)      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       | .00033  | .0001  | .00007 | F<.00000 | F 2.1616 |
| Stddev    | .00127  | .0008  | .00003 | .44344   | .5783    |
| %RSD      | 386.01  | 746.3  | 47.846 | 90.421   | 26.752   |
| #1        | .00050  | -.0006 | .00004 | -.61668  | 1.5428   |
| #2        | .00151  | .0009  | .00006 | -.85703  | 2.6884   |
| #3        | -.00102 | .0000  | .00011 | .00246   | 2.2537   |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2915.0  | 35850. | 3654.5 | 10.719   | 3201.0   |
| Stddev    | 10.9    | 53.    | 24.1   | .619     | 18.8     |
| %RSD      | .37406  | .14904 | .65816 | 5.7769   | .58752   |
| #1        | 2903.8  | 35910. | 3664.1 | 11.291   | 3179.3   |
| #2        | 2915.7  | 35807. | 3627.1 | 10.061   | 3210.3   |
| #3        | 2925.6  | 35833. | 3672.3 | 10.805   | 3213.3   |

Sample Name: PB116744BL      Acquired: 2/1/2019 17:05:29      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |         |         |
|--------|---------|---------|--------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00017 | -.00043 | .00107 | -.00166 | .00077 | -.00865 | -.01237 |
| Stddev | .00051  | .00056  | .00059 | .00178  | .00213 | .01156  | .00076  |
| %RSD   | 296.70  | 129.51  | 54.875 | 107.25  | 275.11 | 133.66  | 6.1040  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00018  | -.00014 | .00044 | -.00213 | .00078  | .00396  | -.01257 |
| #2 | -.00075 | -.00108 | .00160 | -.00315 | .00290  | -.01875 | -.01154 |
| #3 | .00006  | -.00008 | .00117 | .00031  | -.00136 | -.01116 | -.01301 |

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00000 | -.00002 | .00725 | .00024 | -.00014 | .00026 | .00042 |
| Stddev | .00001  | .00004  | .01484 | .00028 | .00021  | .00025 | .00164 |
| %RSD   | 3670.7  | 175.93  | 204.75 | 115.77 | 147.77  | 94.199 | 386.99 |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00001  | .00002  | .02014  | .00031  | .00008  | .00010 | -.00018 |
| #2 | -.00001 | -.00002 | -.00897 | .00048  | -.00017 | .00014 | -.00083 |
| #3 | .00000  | -.00006 | .01056  | -.00006 | -.00033 | .00054 | .00228  |

|        |        |         |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00004 | -.01106 | .00034 | .00015 | .06106 | -.00015 | .00105 |
| Stddev | .00005 | .02418  | .00025 | .00018 | .00181 | .00074  | .00004 |
| %RSD   | 108.67 | 218.52  | 72.916 | 121.23 | 2.9601 | 494.08  | 3.8322 |

|    |         |         |        |         |        |         |        |
|----|---------|---------|--------|---------|--------|---------|--------|
| #1 | .00006  | -.00469 | .00012 | -.00005 | .05923 | -.00089 | .00100 |
| #2 | .00008  | -.03779 | .00030 | .00029  | .06284 | -.00014 | .00107 |
| #3 | -.00001 | .00928  | .00061 | .00021  | .06112 | .00058  | .00107 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | .17713 | .00002 | -.01088 | F .01519 | .00065 | .00037 | .00415 |
| Stddev | .00634 | .00015 | .00441  | .02336   | .00081 | .00072 | .00110 |
| %RSD   | 3.5771 | 990.43 | 40.532  | 153.82   | 125.40 | 195.34 | 26.579 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .17065 | -.00016 | -.00585 | .00364  | .00003 | -.00001 | .00465 |
| #2 | .18332 | .00011  | -.01268 | .04208  | .00157 | -.00008 | .00491 |
| #3 | .17742 | .00009  | -.01411 | -.00015 | .00034 | .00120  | .00288 |

Sample Name: PB116744BL      Acquired: 2/1/2019 17:05:29      Type: Unk  
 Method: P4-ICP2(v2820)      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    | -.00329 | .0006  | .00008 | F<.00000 | F .81978 |
| Stddev | .00296  | .0010  | .00013 | .46482   | .73447   |
| %RSD   | 90.085  | 178.2  | 149.51 | 279.34   | 89.594   |

|    |         |        |         |         |        |
|----|---------|--------|---------|---------|--------|
| #1 | -.00504 | -.0004 | .00008  | .28326  | .00967 |
| #2 | -.00495 | .0017  | .00021  | -.13744 | 1.4422 |
| #3 | .00013  | .0005  | -.00004 | -.64502 | 1.0075 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2902.7 | 35739. | 3612.6 | 9.3939 | 3187.8 |
| Stddev    | 4.2    | 23.    | 5.2    | .7205  | 11.6   |
| %RSD      | .14492 | .06310 | .14431 | 7.6697 | .36413 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2903.7 | 35737. | 3618.5 | 10.118 | 3181.2 |
| #2 | 2898.1 | 35762. | 3611.1 | 9.3864 | 3180.9 |
| #3 | 2906.3 | 35718. | 3608.4 | 8.6773 | 3201.2 |

Sample Name: PB116756BL      Acquired: 2/1/2019 17:09:57      Type: Unk  
Method: P4-ICP2(v2820)      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    | .00079 | -.00123 | .00081 | .00136 | .00076 | -.00052 | -.01521 |
| Stddev | .00145 | .00207  | .00065 | .00084 | .00173 | .00402  | .00722  |
| %RSD   | 184.62 | 167.52  | 80.102 | 61.717 | 227.06 | 774.93  | 47.449  |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | .00020  | -.00141 | .00007 | .00120 | .00115  | -.00325 | -.01410 |
| #2 | .00244  | .00092  | .00131 | .00061 | -.00113 | -.00240 | -.02293 |
| #3 | -.00028 | -.00321 | .00106 | .00226 | .00226  | .00410  | -.00862 |

|        |         |         |         |         |        |         |         |
|--------|---------|---------|---------|---------|--------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00003 | -.00002 | -.00545 | -.00010 | .00001 | -.00011 | -.00192 |
| Stddev | .00005  | .00003  | .01558  | .00010  | .00011 | .00002  | .00280  |
| %RSD   | 135.26  | 159.99  | 285.92  | 96.565  | 880.78 | 19.350  | 145.56  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00004 | -.00005 | .01138  | -.00021 | -.00011 | -.00013 | .00071  |
| #2 | -.00008 | .00000  | -.00834 | -.00002 | .00003  | -.00012 | -.00486 |
| #3 | .00002  | -.00000 | -.01938 | -.00007 | .00012  | -.00009 | -.00162 |

|        |        |         |        |         |        |         |        |
|--------|--------|---------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00005 | -.01033 | .00020 | -.00035 | .05357 | -.00027 | .00097 |
| Stddev | .00003 | .06114  | .00023 | .00029  | .00574 | .00020  | .00006 |
| %RSD   | 63.914 | 591.63  | 117.19 | 81.317  | 10.713 | 73.523  | 6.3337 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .00004 | -.08013 | .00045  | -.00056 | .05779 | -.00038 | .00095 |
| #2 | .00008 | .01541  | .00015  | -.00047 | .04704 | -.00037 | .00104 |
| #3 | .00002 | .03372  | -.00001 | -.00003 | .05590 | -.00004 | .00093 |

|        |        |        |         |         |         |         |        |
|--------|--------|--------|---------|---------|---------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .15915 | .00001 | -.00382 | -.00458 | -.00006 | -.00022 | .00249 |
| Stddev | .01730 | .00019 | .00533  | .02119  | .00102  | .00039  | .00154 |
| %RSD   | 10.869 | 2206.1 | 139.60  | 462.45  | 1760.1  | 180.29  | 62.016 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .16462 | -.00014 | -.00968 | .01392  | .00049  | .00013  | .00236 |
| #2 | .17304 | -.00005 | -.00250 | .00003  | -.00124 | -.00014 | .00410 |
| #3 | .13977 | .00022  | .00073  | -.02770 | .00057  | -.00064 | .00101 |

Sample Name: PB116756BL      Acquired: 2/1/2019 17:09:57      Type: Unk  
Method: P4-ICP2(v2820)      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       | -.00115 | -.0012 | -.00001 | F<.00000 | F .14570 |
| Stddev    | .00163  | .0012  | .00006  | .08408   | .57077   |
| %RSD      | 141.89  | 104.8  | 520.64  | 25.859   | 391.74   |
| #1        | -.00282 | -.0005 | .00006  | -.29094  | -.07435  |
| #2        | .00043  | -.0026 | -.00004 | -.42096  | .79375   |
| #3        | -.00106 | -.0004 | -.00005 | -.26358  | -.28229  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2915.9  | 35831. | 3606.6  | 10.805   | 3206.0   |
| Stddev    | 11.6    | 80.    | 31.4    | .475     | 6.1      |
| %RSD      | .39875  | .22350 | .87160  | 4.3942   | .18932   |
| #1        | 2905.4  | 35806. | 3582.7  | 11.345   | 3199.3   |
| #2        | 2913.9  | 35920. | 3642.2  | 10.457   | 3207.7   |
| #3        | 2928.4  | 35766. | 3595.0  | 10.611   | 3211.1   |

Sample Name: PB116756TB      Acquired: 2/1/2019 17:14:25      Type: Unk  
Method: P4-ICP2(v2820)      Mode: 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    | -.00305  | -.00110 | .00176   | .00035  | .00219  | .00223  | -.02491 | -.00016 |
| Stddev | .00182   | .00064  | .00017   | .00233  | .00059  | .00683  | .00552  | .00007  |
| %RSD   | 59.626   | 57.922  | 9.7579   | 668.51  | 27.058  | 305.86  | 22.156  | 42.410  |
| #1     | -.00114  | -.00181 | .00181   | .00263  | .00269  | .00684  | -.02807 | -.00023 |
| #2     | -.00476  | -.00059 | .00157   | -.00202 | .00234  | .00547  | -.02813 | -.00010 |
| #3     | -.00323  | -.00090 | .00191   | .00044  | .00154  | -.00561 | -.01854 | -.00015 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00005  | -.02305 | -.00019  | -.00046 | .00029  | .00182  | .00012  | -.02302 |
| Stddev | .00008   | .00550  | .00002   | .00028  | .00032  | .00132  | .00002  | .01723  |
| %RSD   | 154.60   | 23.851  | 13.180   | 61.705  | 110.50  | 72.614  | 17.999  | 74.875  |
| #1     | -.00014  | -.02671 | -.00016  | -.00060 | .00009  | .00316  | .00010  | -.03604 |
| #2     | -.00001  | -.02572 | -.00021  | -.00013 | .00012  | .00052  | .00014  | -.00347 |
| #3     | .00000   | -.01673 | -.00018  | -.00064 | .00066  | .00178  | .00011  | -.02954 |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00266   | .00316  | F 339.53 | -.00059 | .00060  | .24293  | -.00001 | -.00791 |
| Stddev | .00021   | .00031  | 4.69     | .00027  | .00004  | .00646  | .00025  | .00660  |
| %RSD   | 7.8396   | 9.8536  | 1.3822   | 45.341  | 6.6089  | 2.6611  | 1705.6  | 83.400  |
| #1     | .00280   | .00286  | 337.96   | -.00028 | .00063  | .24784  | -.00030 | -.00600 |
| #2     | .00242   | .00315  | 335.82   | -.00069 | .00056  | .24534  | .00017  | -.01525 |
| #3     | .00276   | .00348  | 344.80   | -.00078 | .00060  | .23560  | .00009  | -.00248 |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | F .01828 | .00441  | .00179   | .00341  | .00049  | -.0009  | .00003  | 3.1215  |
| Stddev | .02960   | .00254  | .00061   | .00150  | .00132  | .0013   | .00003  | .4216   |
| %RSD   | 161.93   | 57.465  | 34.234   | 44.025  | 267.99  | 147.2   | 95.924  | 13.506  |
| #1     | -.00896  | .00635  | .00113   | .00511  | -.00041 | -.0024  | -.00000 | 3.5920  |
| #2     | .04978   | .00534  | .00190   | .00230  | .00200  | -.0003  | .00006  | 2.9947  |
| #3     | .01401   | .00154  | .00234   | .00280  | -.00012 | .0000   | .00005  | 2.7779  |

Sample Name: PB116756TB      Acquired: 2/1/2019 17:14:25      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 6.7706 |
| Stddev | .8074  |
| %RSD   | 11.925 |

|    |        |
|----|--------|
| #1 | 6.3731 |
| #2 | 7.6997 |
| #3 | 6.2389 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2714.4 | 32809. | 3553.0 | 9.5742 | 2758.8 |
| Stddev    | 8.7    | 36.    | 20.0   | .9993  | 7.3    |
| %RSD      | .32178 | .10878 | .56286 | 10.437 | .26486 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2724.1 | 32769. | 3540.8 | 8.4227 | 2766.5 |
| #2 | 2707.2 | 32835. | 3576.1 | 10.086 | 2758.1 |
| #3 | 2711.9 | 32824. | 3542.1 | 10.214 | 2751.9 |

Sample Name: CCV03      Acquired: 2/1/2019 17:19:03      Type: Unk  
Method: P4-ICP2(v2820)      Mode: 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    | 5.2095 | 5.1546 | 5.1906 | 5.1523 | 5.2078 | 10.174 | 10.123 | .26185   |
| Stddev | .0075  | .0064  | .0067  | .0131  | .0076  | .109   | .093   | .00030   |
| %RSD   | .14377 | .12449 | .12899 | .25492 | .14490 | 1.0755 | .91629 | .11567   |
| #1     | 5.2037 | 5.1517 | 5.1859 | 5.1513 | 5.1997 | 10.111 | 10.183 | .26211   |
| #2     | 5.2069 | 5.1500 | 5.1877 | 5.1398 | 5.2090 | 10.111 | 10.170 | .26151   |
| #3     | 5.2180 | 5.1619 | 5.1983 | 5.1660 | 5.2146 | 10.301 | 10.016 | .26192   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5653 | 25.779 | 1.0255 | 2.5770 | 1.3003 | 5.2517 | 2.6192 | 25.933   |
| Stddev | .0036  | .106   | .0029  | .0050  | .0010  | .0423  | .0034  | .168     |
| %RSD   | .14146 | .41254 | .27771 | .19190 | .07685 | .80524 | .12996 | .64820   |
| #1     | 2.5624 | 25.900 | 1.0227 | 2.5717 | 1.3005 | 5.2641 | 2.6200 | 25.944   |
| #2     | 2.5641 | 25.736 | 1.0284 | 2.5779 | 1.2992 | 5.2864 | 2.6155 | 26.096   |
| #3     | 2.5693 | 25.700 | 1.0255 | 2.5815 | 1.3012 | 5.2046 | 2.6222 | 25.761   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5483 | 1.2861 | 25.500 | 2.5505 | 2.5772 | 25.837 | 5.2495 | 5.0740   |
| Stddev | .0057  | .0015  | .225   | .0027  | .0031  | .119   | .0005  | .0319    |
| %RSD   | .22447 | .11747 | .88223 | .10608 | .12131 | .45976 | .00952 | .62913   |
| #1     | 2.5426 | 1.2862 | 25.702 | 2.5499 | 2.5738 | 25.971 | 5.2490 | 5.0702   |
| #2     | 2.5540 | 1.2846 | 25.542 | 2.5482 | 2.5777 | 25.793 | 5.2498 | 5.1076   |
| #3     | 2.5481 | 1.2876 | 25.257 | 2.5535 | 2.5800 | 25.746 | 5.2499 | 5.0441   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0546 | 5.0866 | 5.1209 | 5.2194 | 5.1796 | 5.072  | 5.2486 | F 2.8978 |
| Stddev | .0447  | .0466  | .0096  | .0179  | .0399  | .021   | .0478  | .1248    |
| %RSD   | .88374 | .91543 | .18758 | .34327 | .77105 | .4194  | .91108 | 4.3061   |
| #1     | 5.0339 | 5.0906 | 5.1100 | 5.2023 | 5.2095 | 5.084  | 5.2841 | 2.8286   |
| #2     | 5.0241 | 5.1310 | 5.1243 | 5.2381 | 5.1951 | 5.048  | 5.2674 | 2.8230   |
| #3     | 5.1059 | 5.0382 | 5.1283 | 5.2179 | 5.1342 | 5.085  | 5.1942 | 3.0419   |

Sample Name: CCV03      Acquired: 2/1/2019 17:19:03      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.8143  
Stddev      2.1249  
%RSD      55.707

#1      3.2676  
#2      2.0163  
#3      6.1592

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2811.0 | 33924. | 3582.4 | 9.1241 | 2809.4 |
| Stddev    | 4.7    | 66.    | 22.9   | .6317  | 5.9    |
| %RSD      | .16739 | .19387 | .63999 | 6.9232 | .20968 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2816.1 | 33956. | 3568.6 | 8.7119 | 2816.2 |
| #2 | 2810.0 | 33967. | 3569.8 | 9.8514 | 2806.5 |
| #3 | 2806.8 | 33848. | 3608.9 | 8.8091 | 2805.6 |

Sample Name: CCB03      Acquired: 2/1/2019 17:23:03      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |         |         |
|--------|--------|---------|--------|---------|--------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00027 | -.00016 | .00072 | -.00139 | .00223 | -.00274 | -.01802 |
| Stddev | .00336 | .00209  | .00086 | .00149  | .00075 | .02420  | .00390  |
| %RSD   | 1261.6 | 1283.3  | 119.38 | 107.37  | 33.822 | 882.73  | 21.670  |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | .00277  | -.00124 | .00113  | -.00225 | .00216 | -.01193 | -.01774 |
| #2 | -.00355 | -.00150 | -.00027 | .00033  | .00152 | -.02100 | -.02205 |
| #3 | .00158  | .00225  | .00129  | -.00225 | .00302 | .02471  | -.01426 |

|        |         |        |        |         |         |         |         |
|--------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00003 | .00006 | .00325 | -.00033 | -.00009 | -.00029 | -.00103 |
| Stddev | .00007  | .00008 | .01432 | .00046  | .00009  | .00016  | .00069  |
| %RSD   | 221.06  | 129.66 | 440.92 | 138.33  | 99.709  | 53.953  | 67.118  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00007 | .00015  | -.00450 | -.00005 | -.00012 | -.00014 | -.00046 |
| #2 | -.00007 | -.00000 | -.00553 | -.00009 | .00001  | -.00046 | -.00083 |
| #3 | .00005  | .00004  | .01977  | -.00087 | -.00016 | -.00028 | -.00180 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00010 | .00582 | .00016 | .00027 | .08829 | -.00041 | .00100 |
| Stddev | .00005 | .01963 | .00033 | .00060 | .01125 | .00008  | .00011 |
| %RSD   | 48.706 | 337.45 | 210.73 | 225.05 | 12.740 | 20.129  | 11.166 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .00013 | -.00428 | .00053  | -.00018 | .09819 | -.00038 | .00111 |
| #2 | .00013 | -.00670 | .00003  | .00003  | .07606 | -.00035 | .00089 |
| #3 | .00004 | .02844  | -.00009 | .00096  | .09063 | -.00051 | .00099 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | .16041 | .00038 | .00128 | F .00745 | .00387 | -.00011 | .00356 |
| Stddev | .03993 | .00021 | .00250 | .02515   | .00170 | .00060  | .00342 |
| %RSD   | 24.893 | 55.911 | 194.32 | 337.47   | 43.778 | 568.79  | 96.036 |

|    |        |        |         |         |        |         |         |
|----|--------|--------|---------|---------|--------|---------|---------|
| #1 | .16342 | .00053 | -.00149 | .02408  | .00423 | -.00063 | .00603  |
| #2 | .19874 | .00046 | .00336  | -.02148 | .00203 | -.00023 | -.00034 |
| #3 | .11905 | .00014 | .00198  | .01976  | .00536 | .00055  | .00499  |

Sample Name: CCB03      Acquired: 2/1/2019 17:23:03      Type: Unk  
 Method: P4-ICP2(v2820)      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       | -.00225 | .0006  | .00013 | F<.00000 | F .78354 |
| Stddev    | .00375  | .0012  | .00001 | .66330   | 1.4629   |
| %RSD      | 166.78  | 203.0  | 5.7696 | 213.64   | 186.71   |
| #1        | -.00651 | -.0003 | .00013 | .04759   | 2.4480   |
| #2        | .00053  | .0019  | .00014 | .09684   | .20078   |
| #3        | -.00076 | .0001  | .00012 | -1.0759  | -.29818  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2918.5  | 35937. | 3608.5 | 9.8576   | 3198.4   |
| Stddev    | 8.7     | 160.   | 14.8   | 1.2461   | 18.7     |
| %RSD      | .29931  | .44413 | .41102 | 12.641   | .58527   |
| #1        | 2926.9  | 35912. | 3619.3 | 8.4227   | 3218.7   |
| #2        | 2909.4  | 35792. | 3591.6 | 10.668   | 3181.9   |
| #3        | 2919.1  | 36108. | 3614.5 | 10.482   | 3194.4   |

Sample Name: PB116757BL      Acquired: 2/1/2019 17:27:32      Type: Unk  
Method: P4-ICP2(v2820)      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    | -.00013 | .00064 | -.00042 | -.00103 | -.00044 | .00146 | -.02062 |
| Stddev | .00091  | .00154 | .00062  | .00122  | .00045  | .00309 | .00262  |
| %RSD   | 715.01  | 242.47 | 147.27  | 119.02  | 102.15  | 211.64 | 12.726  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00117 | -.00093 | -.00016 | .00003  | .00008  | .00385  | -.01999 |
| #2 | .00028  | .00216  | .00003  | -.00236 | -.00075 | -.00203 | -.02350 |
| #3 | .00050  | .00068  | -.00112 | -.00075 | -.00065 | .00257  | -.01837 |

|        |         |         |        |         |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00001 | -.00005 | .00656 | -.00014 | .00011 | .00065 | .00080 |
| Stddev | .00005  | .00009  | .00317 | .00011  | .00015 | .00040 | .00143 |
| %RSD   | 448.41  | 160.24  | 48.372 | 77.724  | 134.42 | 61.545 | 178.49 |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | -.00006 | .00004  | .01008 | -.00017 | .00024  | .00044 | .00020  |
| #2 | .00004  | -.00014 | .00391 | -.00024 | .00015  | .00040 | -.00023 |
| #3 | -.00002 | -.00007 | .00569 | -.00002 | -.00005 | .00110 | .00244  |

|        |        |         |         |         |        |         |        |
|--------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00005 | -.03914 | -.00002 | -.00012 | .04105 | -.00058 | .00085 |
| Stddev | .00003 | .03005  | .00050  | .00040  | .01102 | .00051  | .00004 |
| %RSD   | 54.412 | 76.783  | 2747.0  | 341.05  | 26.854 | 88.102  | 4.5380 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .00002 | -.02843 | .00037  | .00034  | .05301 | -.00006 | .00086 |
| #2 | .00006 | -.07308 | .00016  | -.00034 | .03130 | -.00109 | .00088 |
| #3 | .00008 | -.01591 | -.00058 | -.00035 | .03884 | -.00061 | .00081 |

|        |        |        |         |          |         |         |        |
|--------|--------|--------|---------|----------|---------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm     | ppm     | ppm    |
| Avg    | .12476 | .00003 | -.01919 | F .01043 | -.00081 | -.00020 | .00135 |
| Stddev | .01710 | .00005 | .00790  | .00949   | .00119  | .00063  | .00092 |
| %RSD   | 13.708 | 157.78 | 41.172  | 90.966   | 146.70  | 318.78  | 68.305 |

|    |        |         |         |        |         |         |        |
|----|--------|---------|---------|--------|---------|---------|--------|
| #1 | .13119 | .00009  | -.02824 | .00785 | -.00071 | -.00082 | .00197 |
| #2 | .13772 | .00002  | -.01572 | .00250 | -.00206 | -.00021 | .00029 |
| #3 | .10538 | -.00001 | -.01362 | .02094 | .00032  | .00044  | .00178 |

Sample Name: PB116757BL      Acquired: 2/1/2019 17:27:32      Type: Unk  
 Method: P4-ICP2(v2820)      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       | -.00244 | -.0007 | -.00001 | F<.00000 | F .08970 |
| Stddev    | .00236  | .0002  | .00009  | .42924   | .54657   |
| %RSD      | 96.630  | 28.81  | 688.40  | 28.115   | 609.36   |
| #1        | -.00383 | -.0009 | -.00010 | -1.3182  | .02214   |
| #2        | .00028  | -.0006 | -.00002 | -1.2417  | .66690   |
| #3        | -.00378 | -.0005 | .00007  | -2.0204  | -.41996  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2909.3  | 35972. | 3592.6  | 10.738   | 3200.2   |
| Stddev    | 1.2     | 95.    | 20.4    | 1.530    | 4.5      |
| %RSD      | .04111  | .26384 | .56764  | 14.250   | .14174   |
| #1        | 2909.1  | 35977. | 3586.6  | 10.052   | 3204.7   |
| #2        | 2910.6  | 35874. | 3576.0  | 12.491   | 3200.1   |
| #3        | 2908.2  | 36064. | 3615.4  | 9.6705   | 3195.7   |

Sample Name: PB116757TB      Acquired: 2/1/2019 17:32:01      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: splp

|        |         |         |        |         |        |        |         |
|--------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00322 | -.00214 | .00147 | -.00111 | .00100 | .00457 | -.02205 |
| Stddev | .00045  | .00077  | .00060 | .00329  | .00138 | .00869 | .00406  |
| %RSD   | 14.126  | 36.130  | 40.677 | 295.29  | 137.88 | 189.99 | 18.429  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00358 | -.00236 | .00078 | -.00021 | .00182  | .01453  | -.01763 |
| #2 | -.00336 | -.00279 | .00183 | -.00475 | .00177  | -.00150 | -.02289 |
| #3 | -.00271 | -.00128 | .00181 | .00163  | -.00059 | .00070  | -.02563 |

|        |         |         |         |        |         |        |        |
|--------|---------|---------|---------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00010 | -.00013 | -.00240 | .00019 | -.00036 | .00031 | .00102 |
| Stddev | .00006  | .00006  | .01008  | .00006 | .00026  | .00049 | .00150 |
| %RSD   | 59.139  | 45.519  | 419.37  | 30.603 | 73.638  | 157.60 | 146.12 |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00009 | -.00010 | .00398  | .00023 | -.00066 | .00069  | .00269  |
| #2 | -.00016 | -.00008 | .00283  | .00012 | -.00018 | .00049  | -.00020 |
| #3 | -.00004 | -.00019 | -.01402 | .00020 | -.00023 | -.00024 | .00058  |

|        |        |         |        |        |          |         |        |
|--------|--------|---------|--------|--------|----------|---------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895   | V_2924  | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      | ppm     | ppm    |
| Avg    | .00018 | -.02656 | .00320 | .00291 | F 346.44 | -.00064 | .00092 |
| Stddev | .00002 | .03633  | .00031 | .00049 | 1.87     | .00021  | .00004 |
| %RSD   | 11.800 | 136.79  | 9.8434 | 17.021 | .54033   | 32.221  | 4.2109 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | .00020 | -.06280 | .00303 | .00239 | 345.15 | -.00079 | .00096 |
| #2 | .00018 | -.02674 | .00300 | .00295 | 345.58 | -.00040 | .00088 |
| #3 | .00016 | .00986  | .00356 | .00338 | 348.59 | -.00072 | .00092 |

|        |        |        |         |           |        |        |        |
|--------|--------|--------|---------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm    | ppm    |
| Avg    | .28630 | .00023 | -.00359 | F -.01040 | .00417 | .00139 | .00207 |
| Stddev | .01589 | .00058 | .01376  | .06106    | .00191 | .00076 | .00094 |
| %RSD   | 5.5495 | 252.18 | 383.47  | 586.86    | 45.660 | 54.662 | 45.384 |

|    |        |         |         |         |        |        |        |
|----|--------|---------|---------|---------|--------|--------|--------|
| #1 | .28598 | .00011  | -.01502 | .05519  | .00625 | .00053 | .00108 |
| #2 | .27058 | .00086  | .01168  | -.02081 | .00251 | .00197 | .00219 |
| #3 | .30235 | -.00028 | -.00742 | -.06559 | .00376 | .00167 | .00295 |

Sample Name: PB116757TB      Acquired: 2/1/2019 17:32:01      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment: splp

|           |         |        |         |        |        |
|-----------|---------|--------|---------|--------|--------|
| Elem      | Li6707  | P_1774 | Sr4077  | U_3670 | U_3859 |
| Units     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg       | -.00073 | -.0001 | .00001  | 2.6815 | 7.8454 |
| Stddev    | .00211  | .0010  | .00020  | .2444  | .7489  |
| %RSD      | 290.76  | 697.7  | 2111.1  | 9.1136 | 9.5454 |
| #1        | .00161  | -.0010 | -.00022 | 2.7576 | 7.7125 |
| #2        | -.00129 | .0009  | .00014  | 2.8788 | 7.1718 |
| #3        | -.00250 | -.0003 | .00010  | 2.4081 | 8.6517 |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306 | In2306 |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S  | Cts/S  |
| Avg       | 2725.8  | 32969. | 3574.8  | 11.205 | 2763.3 |
| Stddev    | 10.7    | 163.   | 18.1    | .944   | 5.3    |
| %RSD      | .39222  | .49469 | .50618  | 8.4237 | .19334 |
| #1        | 2729.5  | 32873. | 3559.3  | 10.241 | 2769.3 |
| #2        | 2734.1  | 32877. | 3594.7  | 12.127 | 2761.8 |
| #3        | 2713.7  | 33158. | 3570.4  | 11.248 | 2758.9 |

Sample Name: PB116752BL      Acquired: 2/1/2019 17:36:39      Type: Unk  
Method: P4-ICP2(v2820)      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    | .00087 | -.00019 | -.00014 | -.00188 | .00180 | .00040 | -.01896 |
| Stddev | .00171 | .00115  | .00047  | .00042  | .00162 | .00985 | .00248  |
| %RSD   | 197.72 | 593.57  | 341.84  | 22.332  | 90.065 | 2466.8 | 13.096  |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | .00191  | .00106  | .00040  | -.00140 | .00192 | -.00718 | -.02051 |
| #2 | -.00111 | -.00120 | -.00037 | -.00206 | .00012 | -.00316 | -.02028 |
| #3 | .00180  | -.00044 | -.00045 | -.00219 | .00335 | .01154  | -.01610 |

|        |         |        |        |         |         |         |         |
|--------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00004 | .00006 | .01562 | -.00019 | -.00001 | -.00031 | -.00177 |
| Stddev | .00008  | .00002 | .01592 | .00035  | .00004  | .00032  | .00067  |
| %RSD   | 192.90  | 27.102 | 101.89 | 182.27  | 713.54  | 102.93  | 38.107  |

|    |         |        |        |         |         |         |         |
|----|---------|--------|--------|---------|---------|---------|---------|
| #1 | -.00009 | .00005 | .03256 | -.00000 | .00000  | -.00067 | -.00223 |
| #2 | -.00009 | .00007 | .00098 | -.00060 | -.00005 | -.00007 | -.00099 |
| #3 | .00005  | .00005 | .01332 | .00002  | .00003  | -.00018 | -.00208 |

|        |        |         |        |         |        |         |        |
|--------|--------|---------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00002 | -.01638 | .00025 | -.00010 | .14756 | -.00088 | .00092 |
| Stddev | .00009 | .03399  | .00029 | .00024  | .02061 | .00031  | .00005 |
| %RSD   | 462.39 | 207.52  | 117.41 | 247.85  | 13.971 | 35.424  | 4.9392 |

|    |         |         |        |         |        |         |        |
|----|---------|---------|--------|---------|--------|---------|--------|
| #1 | -.00003 | -.04139 | .00004 | .00013  | .16683 | -.00110 | .00092 |
| #2 | -.00004 | -.03008 | .00012 | -.00007 | .15001 | -.00052 | .00087 |
| #3 | .00013  | .02233  | .00059 | -.00035 | .12582 | -.00102 | .00096 |

|        |        |         |         |         |        |         |        |
|--------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .19039 | -.00011 | -.01128 | -.00386 | .00144 | -.00016 | .00511 |
| Stddev | .04158 | .00016  | .00327  | .00980  | .00029 | .00018  | .00173 |
| %RSD   | 21.840 | 138.05  | 28.957  | 253.78  | 20.238 | 113.16  | 33.751 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .22681 | -.00018 | -.01335 | -.00916 | .00170 | -.00026 | .00651 |
| #2 | .14508 | .00007  | -.01297 | -.00988 | .00113 | .00005  | .00319 |
| #3 | .19927 | -.00023 | -.00751 | .00745  | .00151 | -.00025 | .00564 |

Sample Name: PB116752BL      Acquired: 2/1/2019 17:36:39      Type: Unk  
Method: P4-ICP2(v2820)      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       | -.00015 | .0002  | -.00003 | F<.00000 | F 1.1519 |
| Stddev    | .00192  | .0019  | .00003  | .47050   | .7453    |
| %RSD      | 1273.6  | 791.6  | 98.652  | 38.221   | 64.701   |
| #1        | .00196  | -.0016 | -.00003 | -.70610  | 1.4101   |
| #2        | -.00063 | .0000  | -.00000 | -1.3722  | .31186   |
| #3        | -.00179 | .0023  | -.00006 | -1.6148  | 1.7338   |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2939.9  | 36152. | 3600.5  | 10.279   | 3223.5   |
| Stddev    | 7.9     | 105.   | 16.9    | .310     | 10.0     |
| %RSD      | .26806  | .29117 | .47002  | 3.0134   | .30994   |
| #1        | 2931.3  | 36050. | 3582.9  | 10.011   | 3213.0   |
| #2        | 2946.7  | 36144. | 3616.6  | 10.207   | 3232.9   |
| #3        | 2941.8  | 36260. | 3602.1  | 10.618   | 3224.6   |

Sample Name: PB116752BS      Acquired: 2/1/2019 17:41:08      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: DOD

|        |          |        |        |        |        |         |          |         |
|--------|----------|--------|--------|--------|--------|---------|----------|---------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934   | Be2348  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm      | ppm     |
| Avg    | .78653   | 2.0225 | .97925 | 1.9700 | .81527 | 1.9243  | .19954   | .20093  |
| Stddev | .00364   | .0023  | .00141 | .0021  | .00201 | .0192   | .00363   | .00019  |
| %RSD   | .46291   | .11232 | .14446 | .10803 | .24600 | .99700  | 1.8210   | .09227  |
| #1     | .78630   | 2.0243 | .97854 | 1.9695 | .81495 | 1.9023  | .20327   | .20114  |
| #2     | .79028   | 2.0233 | .97834 | 1.9723 | .81742 | 1.9377  | .19933   | .20089  |
| #3     | .78301   | 2.0200 | .98088 | 1.9682 | .81344 | 1.9329  | .19601   | .20077  |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576   | Mg2790  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm      | ppm     |
| Avg    | .19062   | 1.0589 | .41257 | .19926 | .32284 | 3.4034  | .21392   | 2.1482  |
| Stddev | .00047   | .0216  | .00098 | .00029 | .00108 | .0373   | .00065   | .0576   |
| %RSD   | .24647   | 2.0366 | .23661 | .14388 | .33578 | 1.0949  | .30166   | 2.6793  |
| #1     | .19024   | 1.0838 | .41159 | .19950 | .32228 | 3.4400  | .21466   | 2.0848  |
| #2     | .19048   | 1.0451 | .41354 | .19935 | .32214 | 3.3655  | .21349   | 2.1971  |
| #3     | .19115   | 1.0479 | .41257 | .19894 | .32408 | 3.4048  | .21360   | 2.1627  |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020   | B_2496  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm      | ppm     |
| Avg    | .49580   | .07216 | 3.2665 | .30504 | .19402 | 10.716  | .42295   | .30553  |
| Stddev | .00195   | .00049 | .0189  | .00100 | .00016 | .047    | .00082   | .00607  |
| %RSD   | .39347   | .68415 | .57966 | .32749 | .08275 | .43879  | .19285   | 1.9876  |
| #1     | .49439   | .07212 | 3.2674 | .30447 | .19392 | 10.680  | .42387   | .30477  |
| #2     | .49500   | .07267 | 3.2471 | .30445 | .19393 | 10.700  | .42265   | .29988  |
| #3     | .49803   | .07169 | 3.2849 | .30619 | .19420 | 10.769  | .42233   | .31195  |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077   | U_3670  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm      | ppm     |
| Avg    | F 1.5432 | 1.0078 | .69269 | .21406 | .21184 | F 5.279 | F .20863 | .20583  |
| Stddev | .0215    | .0125  | .00196 | .00261 | .00173 | .011    | .00097   | .52849  |
| %RSD   | 1.3938   | 1.2378 | .28297 | 1.2181 | .81889 | .2051   | .46706   | 256.76  |
| #1     | 1.5634   | 1.0208 | .69046 | .21338 | .21005 | 5.266   | .20906   | -.34857 |
| #2     | 1.5456   | .99597 | .69351 | .21186 | .21351 | 5.286   | .20751   | .26216  |
| #3     | 1.5206   | 1.0066 | .69411 | .21694 | .21197 | 5.284   | .20931   | .70391  |

Sample Name: PB116752BS      Acquired: 2/1/2019 17:41:08      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: DOD

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .87082  
%RSD      4.0072

#1      -22.475  
#2      -21.946  
#3      -20.773

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2905.5 | 35711. | 3549.7 | 11.689 | 3130.7 |
| Stddev    | 4.1    | 166.   | 39.6   | .098   | 3.1    |
| %RSD      | .14246 | .46457 | 1.1142 | .83859 | .09815 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2902.1 | 35864. | 3517.2 | 11.664 | 3127.6 |
| #2 | 2904.3 | 35734. | 3593.7 | 11.798 | 3130.8 |
| #3 | 2910.1 | 35535. | 3538.1 | 11.607 | 3133.7 |

Sample Name: PB116768BL      Acquired: 2/1/2019 17:45:13      Type: Unk  
Method: P4-ICP2(v2820)      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    | -.00029 | .00037 | -.00059 | -.00074 | .00009 | .01181 | -.00970 |
| Stddev | .00218  | .00172 | .00091  | .00425  | .00064 | .00824 | .00327  |
| %RSD   | 761.13  | 464.55 | 152.75  | 570.53  | 712.05 | 69.762 | 33.745  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00213  | .00182  | -.00069 | -.00080 | -.00035 | .01505 | -.00640 |
| #2 | -.00086 | .00083  | .00036  | -.00496 | .00083  | .00244 | -.01295 |
| #3 | -.00212 | -.00153 | -.00145 | .00353  | -.00021 | .01794 | -.00977 |

|        |         |        |        |         |         |         |         |
|--------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00002 | .00002 | .01127 | -.00040 | -.00006 | -.00019 | -.00031 |
| Stddev | .00005  | .00011 | .00486 | .00010  | .00028  | .00023  | .00393  |
| %RSD   | 240.32  | 487.18 | 43.109 | 25.168  | 449.69  | 121.95  | 1267.0  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00000  | -.00010 | .00979 | -.00030 | .00022  | -.00044 | .00234  |
| #2 | .00001  | .00009  | .01669 | -.00040 | -.00035 | -.00002 | .00155  |
| #3 | -.00008 | .00008  | .00732 | -.00051 | -.00005 | -.00009 | -.00482 |

|        |         |        |         |        |        |         |        |
|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00002 | .04175 | -.00029 | .00018 | .04627 | -.00043 | .00082 |
| Stddev | .00004  | .02657 | .00033  | .00051 | .00709 | .00019  | .00010 |
| %RSD   | 216.50  | 63.640 | 113.28  | 288.68 | 15.318 | 44.831  | 11.681 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.00002 | .02725 | .00009  | .00021  | .04162 | -.00029 | .00073 |
| #2 | .00002  | .02558 | -.00050 | .00067  | .05443 | -.00065 | .00092 |
| #3 | -.00005 | .07241 | -.00045 | -.00035 | .04277 | -.00035 | .00082 |

|        |        |        |         |          |         |        |        |
|--------|--------|--------|---------|----------|---------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881  | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm     | ppm    | ppm    |
| Avg    | .09312 | .00012 | -.00837 | F .00678 | -.00002 | .00005 | .00451 |
| Stddev | .04730 | .00018 | .01062  | .00715   | .00141  | .00063 | .00170 |
| %RSD   | 50.792 | 144.51 | 126.95  | 105.57   | 7010.4  | 1334.9 | 37.596 |

|    |        |         |         |        |         |         |        |
|----|--------|---------|---------|--------|---------|---------|--------|
| #1 | .13882 | -.00000 | -.01850 | .00517 | .00010  | .00051  | .00480 |
| #2 | .09618 | .00032  | -.00928 | .01459 | .00132  | .00031  | .00269 |
| #3 | .04437 | .00005  | .00268  | .00056 | -.00148 | -.00067 | .00604 |

Sample Name: PB116768BL      Acquired: 2/1/2019 17:45:13      Type: Unk  
Method: P4-ICP2(v2820)      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       | -.00310 | -.0003 | .00008 | F<.00000 | F 1.8554 |
| Stddev    | .00285  | .0003  | .00005 | .49876   | .8283    |
| %RSD      | 91.809  | 107.6  | 61.196 | 61.133   | 44.644   |
| #1        | -.00394 | .0001  | .00014 | -.40784  | 1.8309   |
| #2        | -.00544 | -.0004 | .00007 | -1.3719  | 2.6957   |
| #3        | .00007  | -.0006 | .00004 | -.66789  | 1.0396   |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2929.9  | 35921. | 3584.2 | 10.367   | 3222.8   |
| Stddev    | 6.7     | 118.   | 32.9   | 1.851    | 11.7     |
| %RSD      | .22808  | .32828 | .91776 | 17.852   | .36429   |
| #1        | 2928.2  | 35788. | 3546.9 | 11.843   | 3219.5   |
| #2        | 2937.2  | 36010. | 3609.2 | 8.2909   | 3235.8   |
| #3        | 2924.2  | 35966. | 3596.5 | 10.968   | 3213.0   |

Sample Name: PB116768BS      Acquired: 2/1/2019 17:54:08      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: DOD

|        |          |        |        |        |        |         |          |        |
|--------|----------|--------|--------|--------|--------|---------|----------|--------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934   | Be2348 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm      | ppm    |
| Avg    | .79616   | 2.0423 | .98977 | 1.9814 | .82168 | 1.9501  | .20574   | .20306 |
| Stddev | .00404   | .0029  | .00076 | .0034  | .00091 | .0263   | .00101   | .00029 |
| %RSD   | .50719   | .14154 | .07693 | .16897 | .11096 | 1.3476  | .49016   | .14472 |
| #1     | .80033   | 2.0425 | .98953 | 1.9831 | .82218 | 1.9350  | .20690   | .20328 |
| #2     | .79226   | 2.0393 | .98915 | 1.9776 | .82063 | 1.9805  | .20525   | .20318 |
| #3     | .79588   | 2.0450 | .99062 | 1.9836 | .82224 | 1.9349  | .20508   | .20273 |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576   | Mg2790 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm      | ppm    |
| Avg    | .19255   | 1.0668 | .41470 | .20136 | .32533 | 3.4144  | .21631   | 2.1817 |
| Stddev | .00013   | .0241  | .00199 | .00029 | .00153 | .0186   | .00068   | .0560  |
| %RSD   | .06942   | 2.2556 | .48050 | .14337 | .46940 | .54531  | .31657   | 2.5649 |
| #1     | .19250   | 1.0921 | .41615 | .20164 | .32709 | 3.4335  | .21585   | 2.1640 |
| #2     | .19244   | 1.0441 | .41551 | .20138 | .32434 | 3.3963  | .21710   | 2.1368 |
| #3     | .19270   | 1.0643 | .41243 | .20106 | .32457 | 3.4133  | .21598   | 2.2444 |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020   | B_2496 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm      | ppm    |
| Avg    | .49947   | .07292 | 3.2730 | .30616 | .19616 | 10.764  | .42592   | .30545 |
| Stddev | .00078   | .00022 | .0260  | .00056 | .00063 | .090    | .00075   | .00457 |
| %RSD   | .15629   | .29527 | .79355 | .18378 | .32245 | .83458  | .17524   | 1.4976 |
| #1     | .49983   | .07285 | 3.2798 | .30559 | .19683 | 10.857  | .42596   | .30417 |
| #2     | .50002   | .07317 | 3.2443 | .30672 | .19605 | 10.756  | .42516   | .31053 |
| #3     | .49858   | .07276 | 3.2949 | .30617 | .19558 | 10.678  | .42665   | .30165 |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077   | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm      | ppm    |
| Avg    | F 1.5053 | 1.0176 | .69618 | .21682 | .21085 | F 5.327 | F .21046 | .33593 |
| Stddev | .0328    | .0095  | .00100 | .00315 | .00090 | .005    | .00126   | .37495 |
| %RSD   | 2.1819   | .93253 | .14399 | 1.4515 | .42533 | .0995   | .60021   | 111.62 |
| #1     | 1.5365   | 1.0265 | .69681 | .21742 | .21116 | 5.331   | .21158   | .06758 |
| #2     | 1.5083   | 1.0076 | .69670 | .21342 | .20984 | 5.330   | .20909   | .76435 |
| #3     | 1.4710   | 1.0188 | .69502 | .21963 | .21155 | 5.321   | .21071   | .17586 |

Sample Name: PB116768BS      Acquired: 2/1/2019 17:54:08      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: DOD

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .57441  
%RSD      2.7451

#1      -21.154  
#2      -21.349  
#3      -20.271

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2889.2 | 35471. | 3532.1 | 9.8758 | 3109.0 |
| Stddev    | 6.4    | 97.    | 20.5   | .5048  | 1.7    |
| %RSD      | .22254 | .27269 | .57944 | 5.1116 | .05551 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2887.2 | 35567. | 3519.2 | 9.4159 | 3107.8 |
| #2 | 2896.4 | 35373. | 3555.7 | 10.416 | 3110.9 |
| #3 | 2884.1 | 35471. | 3521.3 | 9.7955 | 3108.2 |

Sample Name: K1247-01      Acquired: 2/1/2019 18:02:45      Type: Unk  
Method: P4-ICP2(v2820)      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    | -.00006 | -.00124 | .00232 | -.00117 | -.00094 | .20813 | -.01538 |
| Stddev | .00175  | .00145  | .00054 | .00087  | .00089  | .01192 | .00529  |
| %RSD   | 2991.4  | 116.66  | 23.422 | 73.907  | 94.361  | 5.7288 | 34.391  |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | .00116  | -.00292 | .00231 | -.00123 | -.00190 | .20182 | -.02070 |
| #2 | .00073  | -.00039 | .00178 | -.00028 | -.00014 | .20070 | -.01013 |
| #3 | -.00206 | -.00043 | .00286 | -.00200 | -.00079 | .22189 | -.01530 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00008 | -.00009 | .16535 | .00372 | .00040 | .07389 | 1.6524 |
| Stddev | .00006  | .00007  | .01145 | .00017 | .00024 | .00019 | .0150  |
| %RSD   | 72.261  | 79.561  | 6.9251 | 4.6007 | 60.841 | .25610 | .90717 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00002 | -.00010 | .15813 | .00369 | .00068 | .07382 | 1.6462 |
| #2 | -.00010 | -.00016 | .17855 | .00356 | .00021 | .07411 | 1.6694 |
| #3 | -.00012 | -.00002 | .15937 | .00390 | .00031 | .07375 | 1.6415 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .01234 | .07136 | .00437 | -.00004 | 1.1924 | -.00051 | .13532 |
| Stddev | .00008 | .02420 | .00019 | .00063  | .0513  | .00006  | .00019 |
| %RSD   | .66128 | 33.911 | 4.2845 | 1570.7  | 4.3028 | 11.128  | .13754 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .01237 | .08882 | .00416 | -.00076 | 1.2448 | -.00057 | .13548 |
| #2 | .01225 | .08153 | .00449 | .00021  | 1.1902 | -.00046 | .13537 |
| #3 | .01240 | .04374 | .00448 | .00042  | 1.1423 | -.00049 | .13512 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .29436 | .00031 | .00455 | .03514 | 1.1311 | .00044 | .00310 |
| Stddev | .01181 | .00043 | .00296 | .01663 | .0103  | .00046 | .00083 |
| %RSD   | 4.0137 | 137.27 | 64.984 | 47.323 | .90669 | 104.76 | 26.936 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .28129 | .00081 | .00164 | .05397 | 1.1384 | .00097 | .00299 |
| #2 | .30429 | .00010 | .00755 | .02901 | 1.1355 | .00011 | .00232 |
| #3 | .29748 | .00003 | .00447 | .02245 | 1.1194 | .00025 | .00398 |

Sample Name: K1247-01      Acquired: 2/1/2019 18:02:45      Type: Unk  
Method: P4-ICP2(v2820)      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       | -.00492 | .0059  | -.00144 | <.00000 | F<.00000 |
| Stddev    | .00093  | .0012  | .00011  | .08426  | 3.5010   |
| %RSD      | 18.864  | 19.92  | 7.7959  | 3.1061  | 81.180   |
| #1        | -.00386 | .0062  | -.00149 | -2.6172 | -.88457  |
| #2        | -.00531 | .0069  | -.00151 | -2.7770 | -7.8822  |
| #3        | -.00558 | .0046  | -.00131 | -2.7435 | -4.1711  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306  | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 3000.6  | 37079. | 3695.7  | 10.960  | 3330.6   |
| Stddev    | 7.6     | 114.   | 17.9    | 1.250   | 5.3      |
| %RSD      | .25392  | .30789 | .48506  | 11.404  | .15912   |
| #1        | 3008.2  | 37198. | 3677.3  | 11.811  | 3335.1   |
| #2        | 3000.7  | 37070. | 3696.7  | 9.5250  | 3332.0   |
| #3        | 2993.0  | 36970. | 3713.1  | 11.543  | 3324.8   |

Sample Name: K1247-01DUP      Acquired: 2/1/2019 18:07:10      Type: Unk  
Method: P4-ICP2(v2820)      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    | .00009 | -.00054 | .00273 | -.00133 | -.00063 | .19518 | -.01521 |
| Stddev | .00040 | .00059  | .00023 | .00335  | .00168  | .00974 | .00225  |
| %RSD   | 430.56 | 109.89  | 8.2946 | 251.03  | 267.66  | 4.9896 | 14.823  |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | .00054  | .00014  | .00253 | .00049  | -.00198 | .18995 | -.01761 |
| #2 | -.00023 | -.00094 | .00297 | .00071  | -.00115 | .20641 | -.01314 |
| #3 | -.00003 | -.00082 | .00268 | -.00520 | .00125  | .18917 | -.01487 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | .00006 | .15720 | .00336 | .00029 | .07431 | 1.6012 |
| Stddev | .00005  | .00003 | .00679 | .00032 | .00026 | .00028 | .0157  |
| %RSD   | 159.75  | 49.059 | 4.3181 | 9.4279 | 88.678 | .37726 | .98178 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00003 | .00006 | .15322 | .00354 | .00057 | .07463 | 1.5983 |
| #2 | -.00009 | .00003 | .16503 | .00354 | .00024 | .07411 | 1.5871 |
| #3 | .00002  | .00009 | .15334 | .00299 | .00006 | .07419 | 1.6182 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .01221 | .04917 | .00456 | -.00062 | .99114 | -.00034 | .13410 |
| Stddev | .00004 | .07763 | .00034 | .00041  | .01561 | .00034  | .00038 |
| %RSD   | .29976 | 157.88 | 7.4864 | 67.075  | 1.5754 | 99.204  | .28641 |

|    |        |         |        |         |        |         |        |
|----|--------|---------|--------|---------|--------|---------|--------|
| #1 | .01217 | .12995  | .00495 | -.00109 | .99223 | -.00067 | .13368 |
| #2 | .01224 | -.02488 | .00438 | -.00029 | 1.0062 | -.00036 | .13442 |
| #3 | .01223 | .04245  | .00435 | -.00047 | .97500 | .00001  | .13422 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23863 | .00002 | .00827 | .03905 | 1.1329 | .00113 | .00426 |
| Stddev | .01471 | .00004 | .01930 | .02112 | .0032  | .00048 | .00270 |
| %RSD   | 6.1636 | 184.53 | 233.48 | 54.071 | .28275 | 42.676 | 63.396 |

|    |        |         |         |        |        |        |        |
|----|--------|---------|---------|--------|--------|--------|--------|
| #1 | .23591 | -.00001 | .03024  | .06096 | 1.1299 | .00150 | .00237 |
| #2 | .22547 | .00000  | .00050  | .03737 | 1.1326 | .00131 | .00305 |
| #3 | .25451 | .00007  | -.00594 | .01883 | 1.1363 | .00059 | .00735 |

Sample Name: K1247-01DUP      Acquired: 2/1/2019 18:07:10      Type: Unk  
 Method: P4-ICP2(v2820)      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    | -.00275 | .0044  | -.00133 | <.00000 | F<.00000 |
| Stddev | .00192  | .0010  | .00006  | .23462  | .94002   |
| %RSD   | 69.764  | 23.12  | 4.4242  | 8.9549  | 24.432   |

|    |         |       |         |         |         |
|----|---------|-------|---------|---------|---------|
| #1 | -.00471 | .0042 | -.00140 | -2.7045 | -2.7731 |
| #2 | -.00087 | .0055 | -.00131 | -2.3549 | -4.2514 |
| #3 | -.00268 | .0035 | -.00129 | -2.8008 | -4.5181 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3001.5 | 37190. | 3716.9 | 11.282 | 3335.0 |
| Stddev    | 9.6    | 20.    | 19.4   | .743   | 9.8    |
| %RSD      | .31883 | .05379 | .52309 | 6.5891 | .29431 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2992.9 | 37207. | 3705.6 | 11.943 | 3327.2 |
| #2 | 2999.7 | 37195. | 3739.4 | 11.425 | 3331.8 |
| #3 | 3011.8 | 37168. | 3705.9 | 10.477 | 3346.0 |

Sample Name: K1247-01LX5      Acquired: 2/1/2019 18:11:43      Type: Unk  
Method: P4-ICP2(v2820)      Mode: 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    | -.00189 | -.00089 | -.00032 | -.00093 | .00026 | .05067 | -.01169 | -.00007 |
| Stddev | .00233  | .00121  | .00117  | .00361  | .00222 | .01128 | .00249  | .00003  |
| %RSD   | 123.44  | 135.96  | 362.40  | 386.58  | 854.46 | 22.267 | 21.297  | 45.486  |

|    |         |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|---------|--------|---------|---------|
| #1 | .00077  | -.00046 | -.00157 | .00089  | -.00041 | .06318 | -.01427 | -.00004 |
| #2 | -.00358 | -.00226 | -.00012 | .00140  | -.00155 | .04757 | -.01150 | -.00006 |
| #3 | -.00287 | .00005  | .00073  | -.00510 | .00274  | .04127 | -.00930 | -.00010 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00004 | .05733 | .00073 | .00015 | .01530 | .32437 | .00252 | -.00564 |
| Stddev | .00006 | .00519 | .00047 | .00021 | .00039 | .00279 | .00003 | .04962  |
| %RSD   | 157.54 | 9.0561 | 64.698 | 138.36 | 2.5199 | .86093 | 1.1507 | 879.44  |

|    |         |        |        |         |        |        |        |         |
|----|---------|--------|--------|---------|--------|--------|--------|---------|
| #1 | .00010  | .05135 | .00121 | .00039  | .01513 | .32489 | .00255 | -.03665 |
| #2 | .00001  | .06062 | .00071 | -.00002 | .01574 | .32686 | .00251 | -.03187 |
| #3 | -.00001 | .06004 | .00027 | .00009  | .01502 | .32135 | .00249 | .05159  |

|        |        |         |        |         |        |        |        |         |
|--------|--------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00114 | -.00025 | .36504 | -.00065 | .02817 | .17440 | .00010 | -.00873 |
| Stddev | .00015 | .00016  | .01666 | .00034  | .00009 | .03987 | .00009 | .00768  |
| %RSD   | 13.144 | 64.459  | 4.5627 | 52.880  | .32340 | 22.862 | 84.478 | 87.987  |

|    |        |         |        |         |        |        |        |         |
|----|--------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00107 | -.00008 | .38214 | -.00025 | .02821 | .20820 | .00000 | -.01225 |
| #2 | .00131 | -.00027 | .36411 | -.00083 | .02807 | .18457 | .00017 | -.01401 |
| #3 | .00104 | -.00039 | .34887 | -.00086 | .02824 | .13043 | .00014 | .00008  |

|        |        |        |        |        |         |        |         |         |
|--------|--------|--------|--------|--------|---------|--------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .04011 | .23252 | .00019 | .00182 | -.00197 | .0009  | -.00023 | <.00000 |
| Stddev | .00904 | .00513 | .00046 | .00077 | .00068  | .0001  | .00010  | .52497  |
| %RSD   | 22.530 | 2.2071 | 245.89 | 42.308 | 34.841  | 5.772  | 43.191  | 45.798  |

|    |        |        |         |        |         |       |         |         |
|----|--------|--------|---------|--------|---------|-------|---------|---------|
| #1 | .04940 | .23808 | .00041  | .00221 | -.00228 | .0008 | -.00034 | -1.4327 |
| #2 | .03135 | .23154 | .00050  | .00093 | -.00244 | .0009 | -.00014 | -.54041 |
| #3 | .03956 | .22795 | -.00034 | .00231 | -.00118 | .0009 | -.00022 | -1.4658 |

Sample Name: K1247-01LX5      Acquired: 2/1/2019 18:11:43      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      3.6878  
%RSD      465.00

#1      3.3170  
#2      -1.8836  
#3      -3.8126

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2942.7 | 36095. | 3606.6 | 10.579 | 3224.0 |
| Stddev    | 10.0   | 120.   | 6.0    | .432   | 14.4   |
| %RSD      | .34012 | .33350 | .16516 | 4.0824 | .44750 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2932.9 | 36027. | 3607.5 | 10.586 | 3216.7 |
| #2 | 2952.9 | 36024. | 3600.2 | 11.007 | 3240.6 |
| #3 | 2942.3 | 36234. | 3612.0 | 10.143 | 3214.7 |

Sample Name: K1266-08      Acquired: 2/1/2019 18:20:49      Type: Unk  
Method: P4-ICP2(v2820)      Mode: 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    | .00066   | .00011  | .00423  | -.00157 | .00013  | -.01509 | -.00174 | .00003 |
| Stddev | .00090   | .00076  | .00073  | .00404  | .00215  | .00430  | .00545  | .00002 |
| %RSD   | 135.76   | 683.02  | 17.268  | 257.05  | 1706.6  | 28.519  | 312.80  | 63.093 |
| #1     | -.00020  | .00049  | .00499  | -.00015 | .00054  | -.01604 | .00448  | .00002 |
| #2     | .00059   | .00061  | .00418  | -.00614 | .00204  | -.01883 | -.00568 | .00005 |
| #3     | .00160   | -.00077 | .00353  | .00157  | -.00220 | -.01039 | -.00403 | .00003 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00012  | 17.383  | -.00093 | -.00032 | .00025  | -.00317 | .00143  | 39.105 |
| Stddev | .00008   | .085    | .00036  | .00021  | .00022  | .00190  | .00003  | .538   |
| %RSD   | 63.732   | .49008  | 38.659  | 63.398  | 86.243  | 59.791  | 2.1580  | 1.3759 |
| #1     | -.00021  | 17.285  | -.00134 | -.00037 | .00039  | -.00378 | .00146  | 38.681 |
| #2     | -.00009  | 17.425  | -.00065 | -.00050 | .00000  | -.00105 | .00145  | 38.925 |
| #3     | -.00006  | 17.439  | -.00081 | -.00010 | .00037  | -.00469 | .00140  | 39.710 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00191  | .00028  | 308.61  | .00030  | .00107  | 12.559  | .00013  | .12202 |
| Stddev | .00023   | .00022  | 4.78    | .00060  | .00011  | .012    | .00041  | .01105 |
| %RSD   | 12.247   | 78.080  | 1.5476  | 197.98  | 10.495  | .09948  | 317.32  | 9.0593 |
| #1     | -.00206  | .00015  | 304.31  | .00002  | .00119  | 12.548  | -.00029 | .11820 |
| #2     | -.00202  | .00054  | 307.77  | .00099  | .00096  | 12.573  | .00014  | .13448 |
| #3     | -.00164  | .00016  | 313.75  | -.00010 | .00107  | 12.555  | .00054  | .11338 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | F 28.579 | .57898  | -.00873 | .00296  | .01374  | .0055   | .25064  | 4.1619 |
| Stddev | .063     | .00277  | .00032  | .00219  | .00268  | .0010   | .00080  | .1221  |
| %RSD   | .22095   | .47840  | 3.6954  | 73.928  | 19.485  | 19.21   | .31825  | 2.9345 |
| #1     | 28.578   | .57821  | -.00906 | .00070  | .01677  | .0044   | .24973  | 4.1286 |
| #2     | 28.516   | .57667  | -.00874 | .00310  | .01171  | .0055   | .25124  | 4.2972 |
| #3     | 28.642   | .58205  | -.00841 | .00507  | .01273  | .0065   | .25094  | 4.0599 |

Sample Name: K1266-08      Acquired: 2/1/2019 18:20:49      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 12.313 |
| Stddev | 1.293  |
| %RSD   | 10.497 |

|    |        |
|----|--------|
| #1 | 13.716 |
| #2 | 12.053 |
| #3 | 11.171 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2685.8 | 31852. | 3473.1 | 9.7629 | 2684.6 |
| Stddev    | 8.1    | 94.    | 18.5   | .4984  | 12.5   |
| %RSD      | .29979 | .29406 | .53406 | 5.1050 | .46565 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2676.9 | 31779. | 3456.3 | 9.3750 | 2670.3 |
| #2 | 2688.1 | 31819. | 3493.0 | 9.5886 | 2689.9 |
| #3 | 2692.5 | 31958. | 3470.1 | 10.325 | 2693.5 |

Sample Name: CCV04      Acquired: 2/1/2019 18:30:54      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8765 | 4.8191 | 4.8567 | 4.8346 | 4.9042 | 9.3463 | 9.5056 | .24525   |
| Stddev | .0043  | .0094  | .0075  | .0114  | .0045  | .0275  | .0863  | .00023   |
| %RSD   | .08884 | .19415 | .15386 | .23576 | .09122 | .29465 | .90748 | .09578   |
| #1     | 4.8805 | 4.8084 | 4.8482 | 4.8411 | 4.9085 | 9.3336 | 9.4060 | .24533   |
| #2     | 4.8771 | 4.8230 | 4.8622 | 4.8214 | 4.9047 | 9.3779 | 9.5530 | .24499   |
| #3     | 4.8719 | 4.8258 | 4.8597 | 4.8413 | 4.8996 | 9.3274 | 9.5577 | .24544   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4050 | 26.464 | .95293 | 2.4051 | 1.2348 | 5.0281 | 2.4473 | 25.832   |
| Stddev | .0049  | .290   | .00260 | .0055  | .0006  | .0348  | .0004  | .245     |
| %RSD   | .20517 | 1.0977 | .27320 | .22841 | .04492 | .69317 | .01474 | .94814   |
| #1     | 2.3993 | 26.134 | .95206 | 2.3988 | 1.2341 | 4.9879 | 2.4469 | 25.562   |
| #2     | 2.4078 | 26.680 | .95087 | 2.4087 | 1.2350 | 5.0463 | 2.4475 | 25.893   |
| #3     | 2.4078 | 26.579 | .95585 | 2.4078 | 1.2351 | 5.0500 | 2.4476 | 26.040   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3932 | 1.1892 | 25.755 | 2.3766 | 2.4214 | 24.612 | 4.9258 | 4.7494   |
| Stddev | .0095  | .0034  | .184   | .0013  | .0041  | .196   | .0041  | .0320    |
| %RSD   | .39853 | .28430 | .71603 | .05272 | .16771 | .79616 | .08358 | .67306   |
| #1     | 2.3823 | 1.1854 | 25.542 | 2.3753 | 2.4181 | 24.391 | 4.9255 | 4.7213   |
| #2     | 2.4003 | 1.1920 | 25.871 | 2.3779 | 2.4259 | 24.766 | 4.9301 | 4.7427   |
| #3     | 2.3969 | 1.1900 | 25.851 | 2.3765 | 2.4201 | 24.678 | 4.9218 | 4.7842   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7026 | 4.8197 | 4.7946 | 4.8676 | 4.8484 | 4.715  | 4.9248 | F 2.7756 |
| Stddev | .0349  | .0348  | .0066  | .0336  | .0507  | .004   | .0591  | .3250    |
| %RSD   | .74258 | .72097 | .13706 | .68990 | 1.0466 | .0851  | 1.1992 | 11.708   |
| #1     | 4.7429 | 4.7825 | 4.7874 | 4.8300 | 4.7904 | 4.711  | 4.8568 | 2.5269   |
| #2     | 4.6837 | 4.8255 | 4.8002 | 4.8781 | 4.8847 | 4.719  | 4.9631 | 2.6566   |
| #3     | 4.6811 | 4.8512 | 4.7963 | 4.8947 | 4.8701 | 4.716  | 4.9545 | 3.1433   |

Sample Name: CCV04      Acquired: 2/1/2019 18:30:54      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.0388 |
| Stddev | 1.7795 |
| %RSD   | 35.316 |

|    |        |
|----|--------|
| #1 | 3.3425 |
| #2 | 4.8828 |
| #3 | 6.8913 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2770.2 | 33654. | 3487.8 | 10.180 | 2779.5 |
| Stddev    | 3.0    | 44.    | 24.7   | 1.073  | 2.5    |
| %RSD      | .10977 | .13058 | .70782 | 10.537 | .09173 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2768.4 | 33704. | 3516.3 | 9.9730 | 2781.0 |
| #2 | 2768.5 | 33637. | 3472.9 | 9.2259 | 2776.6 |
| #3 | 2773.7 | 33621. | 3474.2 | 11.341 | 2781.0 |

Sample Name: CCB04      Acquired: 2/1/2019 18:34:54      Type: Unk  
Method: P4-ICP2(v2820)      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    | -.00066 | -.00064 | -.00040 | -.00144 | .00019 | .00245 | -.00997 |
| Stddev | .00179  | .00029  | .00050  | .00081  | .00035 | .01275 | .00453  |
| %RSD   | 269.33  | 45.247  | 123.25  | 56.053  | 181.38 | 521.08 | 45.433  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00136  | -.00048 | .00017  | -.00088 | -.00001 | .01051  | -.00977 |
| #2 | -.00133 | -.00098 | -.00067 | -.00108 | .00059  | .00908  | -.00555 |
| #3 | -.00203 | -.00046 | -.00071 | -.00236 | -.00000 | -.01225 | -.01461 |

|        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00002 | .00008 | .00291 | -.00016 | -.00006 | .00043 | .00201 |
| Stddev | .00005 | .00012 | .00969 | .00006  | .00036  | .00046 | .00141 |
| %RSD   | 285.40 | 137.62 | 332.52 | 36.040  | 603.24  | 108.15 | 70.325 |

|    |         |        |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|--------|
| #1 | .00001  | .00003 | .00474  | -.00011 | -.00004 | .00047  | .00285 |
| #2 | .00008  | .00022 | .01157  | -.00015 | -.00043 | .00087  | .00038 |
| #3 | -.00003 | .00001 | -.00756 | -.00022 | .00029  | -.00006 | .00280 |

|        |        |         |         |         |        |         |        |
|--------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00002 | -.00458 | -.00018 | -.00003 | .17561 | -.00026 | .00085 |
| Stddev | .00005 | .04296  | .00014  | .00069  | .00516 | .00011  | .00010 |
| %RSD   | 214.09 | 937.35  | 78.360  | 2076.2  | 2.9360 | 43.743  | 11.762 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | .00007  | .01289  | -.00022 | .00003  | .17169 | -.00023 | .00073 |
| #2 | .00003  | -.05353 | -.00002 | -.00075 | .18145 | -.00016 | .00090 |
| #3 | -.00003 | .02689  | -.00030 | .00062  | .17368 | -.00038 | .00091 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | .16909 | .00021 | -.00931 | F .02219 | .00028 | .00063 | .00237 |
| Stddev | .02676 | .00024 | .00355  | .03007   | .00188 | .00040 | .00181 |
| %RSD   | 15.827 | 116.85 | 38.138  | 135.49   | 661.30 | 63.036 | 76.322 |

|    |        |        |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|
| #1 | .14771 | .00007 | -.01228 | .04579  | -.00026 | .00025 | .00036 |
| #2 | .16044 | .00049 | -.01026 | -.01166 | .00238  | .00105 | .00388 |
| #3 | .19910 | .00006 | -.00538 | .03244  | -.00127 | .00060 | .00288 |

Sample Name: CCB04      Acquired: 2/1/2019 18:34:54      Type: Unk  
Method: P4-ICP2(v2820)      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       | .00020  | .0004  | .00016 | F<.00000 | F 1.6967 |
| Stddev    | .00072  | .0009  | .00009 | .23417   | 3.4570   |
| %RSD      | 358.37  | 226.7  | 52.447 | 23.131   | 203.75   |
| #1        | .00032  | .0005  | .00026 | -.94358  | 5.6403   |
| #2        | -.00057 | .0011  | .00012 | -.82026  | -.81123  |
| #3        | .00085  | -.0006 | .00010 | -1.2732  | .26114   |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2902.0  | 35774. | 3543.8 | 10.130   | 3200.9   |
| Stddev    | 6.3     | 129.   | 9.2    | .792     | 5.0      |
| %RSD      | .21620  | .35953 | .26036 | 7.8134   | .15552   |
| #1        | 2901.4  | 35746. | 3541.8 | 10.986   | 3196.1   |
| #2        | 2896.0  | 35661. | 3553.9 | 9.9795   | 3200.5   |
| #3        | 2908.5  | 35914. | 3535.7 | 9.4250   | 3206.1   |

Sample Name: K1247-01MS      Acquired: 2/1/2019 19:07:41      Type: Unk  
Method: P4-ICP2(v2820)      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    | .82960 | 2.0989 | 1.0281 | 2.0636 | .91404 | 2.2287 | .21164 |
| Stddev | .00315 | .0123  | .0021  | .0035  | .00446 | .0372  | .00412 |
| %RSD   | .38026 | .58738 | .20575 | .16804 | .48787 | 1.6669 | 1.9489 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83046 | 2.1122 | 1.0298 | 2.0660 | .91869 | 2.2022 | .20688 |
| #2 | .83223 | 2.0966 | 1.0288 | 2.0653 | .91362 | 2.2129 | .21425 |
| #3 | .82610 | 2.0878 | 1.0257 | 2.0597 | .90980 | 2.2712 | .21379 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21325 | .19763 | 1.2337 | .43712 | .20653 | .41291 | 4.4278 |
| Stddev | .00526 | .00091 | .0135  | .01032 | .00093 | .00067 | .0385  |
| %RSD   | 2.4683 | .45831 | 1.0944 | 2.3608 | .45032 | .16122 | .86955 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21009 | .19852 | 1.2181 | .42902 | .20740 | .41243 | 4.3834 |
| #2 | .21034 | .19766 | 1.2421 | .43361 | .20663 | .41367 | 4.4479 |
| #3 | .21933 | .19671 | 1.2409 | .44874 | .20555 | .41264 | 4.4520 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23390 | 2.2542 | .51661 | .07712 | 4.2013 | .32048 | .32367 |
| Stddev | .00582 | .0313  | .00174 | .00200 | .0130  | .00748 | .00174 |
| %RSD   | 2.4877 | 1.3869 | .33731 | 2.5978 | .30922 | 2.3343 | .53880 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23043 | 2.2310 | .51858 | .07607 | 4.2026 | .31643 | .32558 |
| #2 | .23066 | 2.2897 | .51601 | .07586 | 4.1877 | .31590 | .32326 |
| #3 | .24062 | 2.2418 | .51525 | .07943 | 4.2136 | .32911 | .32216 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.317 | .46852 | .32201 | .00595 | 2.2355 | .75388 | .23578 |
| Stddev | .016   | .00274 | .00863 | .00977 | .0196  | .00573 | .00221 |
| %RSD   | .14479 | .58534 | 2.6789 | 164.25 | .87824 | .76011 | .93931 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 11.320 | .47132 | .31256 | .00237  | 2.2154 | .76038 | .23558 |
| #2 | 11.299 | .46841 | .32946 | .01700  | 2.2364 | .74957 | .23366 |
| #3 | 11.332 | .46584 | .32400 | -.00153 | 2.2546 | .75169 | .23808 |

Sample Name: K1247-01MS      Acquired: 2/1/2019 19:07:41      Type: Unk  
Method: P4-ICP2(v2820)      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    | .21628 | 5.427  | .21654 | <.00000 | F<.00000 |
| Stddev | .00109 | .023   | .00062 | .90180  | 3.4579   |
| %RSD   | .50517 | .4274  | .28530 | 129.14  | 13.247   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .21566 | 5.452 | .21725 | -1.4957 | -22.411 |
| #2 | .21565 | 5.422 | .21628 | -.87957 | -26.638 |
| #3 | .21755 | 5.406 | .21610 | .28037  | -29.265 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2968.0 | 36244. | 3596.4 | 10.645 | 3233.2 |
| Stddev    | 7.2    | 654.   | 25.8   | .756   | 11.6   |
| %RSD      | .24176 | 1.8054 | .71745 | 7.1016 | .35779 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2959.7 | 36663. | 3621.2 | 10.936 | 3219.9 |
| #2 | 2972.2 | 36579. | 3569.7 | 11.211 | 3238.9 |
| #3 | 2972.1 | 35490. | 3598.3 | 9.7864 | 3240.8 |

Sample Name: K1247-01MSD      Acquired: 2/1/2019 19:11:48      Type: Unk  
Method: P4-ICP2(v2820)      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    | .83686 | 2.1282 | 1.0382 | 2.0886 | .92643 | 2.2210 | .21491 |
| Stddev | .00186 | .0017  | .0014  | .0046  | .00127 | .0117  | .00247 |
| %RSD   | .22245 | .08117 | .13986 | .21794 | .13744 | .52550 | 1.1488 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83881 | 2.1275 | 1.0392 | 2.0938 | .92753 | 2.2110 | .21226 |
| #2 | .83510 | 2.1302 | 1.0388 | 2.0856 | .92672 | 2.2338 | .21531 |
| #3 | .83668 | 2.1269 | 1.0365 | 2.0863 | .92503 | 2.2182 | .21715 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21363 | .20052 | 1.2681 | .43561 | .20887 | .41984 | 4.4881 |
| Stddev | .00032 | .00043 | .0132  | .00194 | .00045 | .00040 | .0458  |
| %RSD   | .14897 | .21403 | 1.0369 | .44513 | .21553 | .09422 | 1.0205 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21349 | .20088 | 1.2801 | .43729 | .20883 | .42029 | 4.5035 |
| #2 | .21341 | .20063 | 1.2700 | .43606 | .20934 | .41967 | 4.4365 |
| #3 | .21400 | .20005 | 1.2540 | .43349 | .20845 | .41956 | 4.5242 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23311 | 2.2896 | .52419 | .07668 | 4.2742 | .32181 | .32880 |
| Stddev | .00074 | .0368  | .00127 | .00045 | .0485  | .00114 | .00019 |
| %RSD   | .31771 | 1.6067 | .24166 | .58534 | 1.1352 | .35303 | .05696 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23397 | 2.3139 | .52332 | .07717 | 4.3040 | .32171 | .32901 |
| #2 | .23270 | 2.2472 | .52564 | .07656 | 4.2182 | .32072 | .32872 |
| #3 | .23267 | 2.3075 | .52360 | .07630 | 4.3004 | .32299 | .32867 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.431 | .47302 | .33114 | .00096 | 2.2724 | .76242 | .23977 |
| Stddev | .088   | .00058 | .00306 | .01326 | .0210  | .00261 | .00118 |
| %RSD   | .76901 | .12168 | .92519 | 1380.3 | .92365 | .34174 | .49024 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 11.501 | .47353 | .32778 | -.01339 | 2.2744 | .76066 | .24113 |
| #2 | 11.332 | .47240 | .33189 | .01277  | 2.2505 | .76119 | .23906 |
| #3 | 11.459 | .47315 | .33377 | .00350  | 2.2923 | .76542 | .23913 |

Sample Name: K1247-01MSD      Acquired: 2/1/2019 19:11:48      Type: Unk  
Method: P4-ICP2(v2820)      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    | .21805 | 5.528  | .21856 | <.00000 | F<.00000 |
| Stddev | .00173 | .010   | .00046 | .16536  | 1.7110   |
| %RSD   | .79281 | .1841  | .20909 | 12.017  | 6.6647   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .21937 | 5.536 | .21871 | -1.2584 | -23.759 |
| #2 | .21609 | 5.531 | .21805 | -1.3046 | -27.055 |
| #3 | .21868 | 5.516 | .21893 | -1.5651 | -26.203 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2912.4 | 36261. | 3544.0 | 11.654 | 3161.7 |
| Stddev    | 9.4    | 173.   | 35.3   | .694   | 9.0    |
| %RSD      | .32409 | .47757 | .99701 | 5.9554 | .28608 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2901.6 | 36111. | 3537.2 | 10.877 | 3152.1 |
| #2 | 2916.0 | 36223. | 3582.2 | 11.870 | 3163.1 |
| #3 | 2919.4 | 36451. | 3512.5 | 12.214 | 3170.0 |

Sample Name: K1247-01A      Acquired: 2/1/2019 19:15:55      Type: Unk  
Method: P4-ICP2(v2820)      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    | .82929 | 2.1001 | 1.0264 | 2.0665 | .91711 | 2.2104 | .20762 |
| Stddev | .00341 | .0038  | .0035  | .0037  | .00284 | .0156  | .00259 |
| %RSD   | .41132 | .17996 | .34381 | .18133 | .30986 | .70356 | 1.2453 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83124 | 2.1044 | 1.0304 | 2.0625 | .91786 | 2.1996 | .20551 |
| #2 | .83129 | 2.0972 | 1.0252 | 2.0699 | .91950 | 2.2035 | .21051 |
| #3 | .82535 | 2.0986 | 1.0237 | 2.0670 | .91397 | 2.2282 | .20684 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21121 | .19780 | 1.2385 | .43109 | .20683 | .41479 | 4.4628 |
| Stddev | .00034 | .00054 | .0113  | .00079 | .00051 | .00112 | .0138  |
| %RSD   | .15889 | .27299 | .90961 | .18279 | .24776 | .26934 | .30984 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21121 | .19841 | 1.2482 | .43064 | .20738 | .41440 | 4.4471 |
| #2 | .21154 | .19739 | 1.2411 | .43063 | .20673 | .41605 | 4.4730 |
| #3 | .21087 | .19760 | 1.2261 | .43200 | .20637 | .41392 | 4.4685 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23114 | 2.2754 | .51858 | .07585 | 4.2641 | .31851 | .32357 |
| Stddev | .00077 | .0430  | .00148 | .00038 | .0089  | .00072 | .00090 |
| %RSD   | .33102 | 1.8882 | .28579 | .49885 | .20948 | .22510 | .27869 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23083 | 2.3136 | .52029 | .07628 | 4.2741 | .31882 | .32441 |
| #2 | .23201 | 2.2289 | .51781 | .07560 | 4.2569 | .31902 | .32369 |
| #3 | .23058 | 2.2839 | .51764 | .07566 | 4.2613 | .31769 | .32262 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.371 | .46774 | .32706 | .02426 | 2.2570 | .75582 | .23747 |
| Stddev | .046   | .00051 | .00620 | .02882 | .0039  | .00291 | .00166 |
| %RSD   | .40616 | .10977 | 1.8948 | 118.81 | .17182 | .38541 | .69915 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 11.408 | .46772 | .32564 | -.00869 | 2.2533 | .75899 | .23593 |
| #2 | 11.319 | .46826 | .33385 | .04476  | 2.2567 | .75325 | .23725 |
| #3 | 11.386 | .46723 | .32170 | .03670  | 2.2610 | .75523 | .23923 |

Sample Name: K1247-01A      Acquired: 2/1/2019 19:15:55      Type: Unk  
Method: P4-ICP2(v2820)      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       | .21692 | 5.451  | .21681 | <.00000 | F<.00000 |
| Stddev    | .00211 | .010   | .00047 | .28109  | 2.6477   |
| %RSD      | .97412 | .1903  | .21719 | 16.792  | 11.235   |
| #1        | .21892 | 5.450  | .21654 | -1.9892 | -21.023  |
| #2        | .21471 | 5.461  | .21736 | -1.5833 | -26.308  |
| #3        | .21713 | 5.441  | .21654 | -1.4493 | -23.370  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2945.6 | 36465. | 3562.7 | 11.211  | 3207.9   |
| Stddev    | 3.6    | 101.   | 10.3   | .660    | 7.5      |
| %RSD      | .12211 | .27780 | .28850 | 5.8837  | .23313   |
| #1        | 2941.7 | 36348. | 3551.0 | 11.611  | 3199.6   |
| #2        | 2946.5 | 36522. | 3566.9 | 11.573  | 3214.1   |
| #3        | 2948.7 | 36525. | 3570.2 | 10.450  | 3210.1   |

Sample Name: K1263-01      Acquired: 2/1/2019 19:20:02      Type: Unk  
Method: P4-ICP2(v2820)      Mode: 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    | -.00139 | .00002 | .00104 | .00203 | -.00040 | .01141 | -.00826 | -.00004 |
| Stddev | .00257  | .00129 | .00026 | .00148 | .00129  | .01252 | .00268  | .00005  |
| %RSD   | 185.46  | 5403.8 | 24.765 | 72.913 | 320.61  | 109.80 | 32.468  | 136.25  |

|    |         |         |        |        |         |        |         |         |
|----|---------|---------|--------|--------|---------|--------|---------|---------|
| #1 | .00008  | -.00072 | .00074 | .00352 | -.00035 | .02548 | -.00553 | -.00010 |
| #2 | -.00435 | .00152  | .00116 | .00200 | -.00171 | .00726 | -.01089 | -.00003 |
| #3 | .00011  | -.00073 | .00121 | .00056 | .00086  | .00148 | -.00838 | .00001  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00012 | .13461 | .00009 | .00003 | .04607 | .13554 | .02277 | .01897 |
| Stddev | .00011 | .00196 | .00016 | .00015 | .00048 | .00160 | .00018 | .03212 |
| %RSD   | 94.673 | 1.4562 | 178.52 | 483.56 | 1.0389 | 1.1778 | .80332 | 169.36 |

|    |        |        |         |         |        |        |        |         |
|----|--------|--------|---------|---------|--------|--------|--------|---------|
| #1 | .00025 | .13635 | .00001  | .00009  | .04616 | .13390 | .02264 | -.01405 |
| #2 | .00010 | .13500 | .00027  | .00014  | .04650 | .13709 | .02270 | .05012  |
| #3 | .00002 | .13248 | -.00001 | -.00014 | .04556 | .13564 | .02298 | .02084  |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00428 | .00040 | .38387 | -.00039 | .02122 | .23337 | .00030 | .00587 |
| Stddev | .00012 | .00040 | .01046 | .00062  | .00006 | .03199 | .00029 | .00693 |
| %RSD   | 2.8365 | 98.758 | 2.7261 | 157.41  | .28583 | 13.707 | 97.139 | 118.08 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00429 | .00064  | .37626 | -.00050 | .02124 | .19908 | .00064 | .00391 |
| #2 | .00415 | .00062  | .39581 | -.00095 | .02126 | .23863 | .00011 | .01356 |
| #3 | .00439 | -.00006 | .37956 | .00027  | .02115 | .26241 | .00016 | .00013 |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .06013 | .40151 | -.00063 | .00258 | -.00669 | .0162  | .00013 | <.00000 |
| Stddev | .02204 | .00249 | .00024  | .00194 | .00303  | .0010  | .00008 | .18045  |
| %RSD   | 36.657 | .62035 | 38.114  | 75.280 | 45.281  | 6.410  | 62.027 | 5.0318  |

|    |        |        |         |        |         |       |        |         |
|----|--------|--------|---------|--------|---------|-------|--------|---------|
| #1 | .03722 | .40401 | -.00072 | .00039 | -.00770 | .0173 | .00016 | -3.6413 |
| #2 | .06197 | .39903 | -.00082 | .00327 | -.00329 | .0160 | .00004 | -3.3847 |
| #3 | .08118 | .40151 | -.00036 | .00407 | -.00909 | .0153 | .00019 | -3.7328 |

Sample Name: K1263-01      Acquired: 2/1/2019 19:20:02      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .69825  
 Stddev      1.3276  
 %RSD      190.14

#1      -.39666  
 #2      .31648  
 #3      2.1749

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2965.3 | 37007. | 3579.5 | 10.902 | 3303.4 |
| Stddev    | 7.1    | 102.   | 22.4   | .143   | 5.8    |
| %RSD      | .23791 | .27533 | .62562 | 1.3097 | .17525 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2959.3 | 36891. | 3555.8 | 10.941 | 3298.0 |
| #2 | 2963.4 | 37081. | 3582.4 | 11.020 | 3302.8 |
| #3 | 2973.0 | 37049. | 3600.3 | 10.743 | 3309.5 |

Sample Name: K1263-01DUP      Acquired: 2/1/2019 19:24:29      Type: Unk  
Method: P4-ICP2(v2820)      Mode: 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    | .00175 | .00138 | .00105 | -.00066 | -.00074 | .01920 | -.01051 | -.00008 |
| Stddev | .00315 | .00101 | .00039 | .00104  | .00162  | .01225 | .00679  | .00004  |
| %RSD   | 179.81 | 73.079 | 37.381 | 157.80  | 218.29  | 63.781 | 64.579  | 42.215  |

|    |         |        |        |         |         |        |         |         |
|----|---------|--------|--------|---------|---------|--------|---------|---------|
| #1 | .00100  | .00192 | .00132 | .00035  | .00112  | .00881 | -.00322 | -.00013 |
| #2 | .00521  | .00200 | .00122 | -.00173 | -.00180 | .03270 | -.01664 | -.00007 |
| #3 | -.00096 | .00022 | .00060 | -.00060 | -.00155 | .01609 | -.01167 | -.00006 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00011 | .14191 | .00027 | .00012 | .04486 | .12617 | .02218 | .00502 |
| Stddev | .00010 | .00194 | .00024 | .00028 | .00073 | .00613 | .00014 | .02752 |
| %RSD   | 94.627 | 1.3705 | 87.270 | 230.35 | 1.6264 | 4.8564 | .60891 | 548.29 |

|    |         |        |         |         |        |        |        |         |
|----|---------|--------|---------|---------|--------|--------|--------|---------|
| #1 | .00014  | .14174 | .00043  | -.00018 | .04559 | .12853 | .02222 | .02799  |
| #2 | -.00001 | .14005 | .00039  | .00017  | .04413 | .11922 | .02203 | .01255  |
| #3 | .00019  | .14393 | -.00000 | .00038  | .04487 | .13077 | .02230 | -.02549 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00416 | -.00070 | .35830 | -.00038 | .02114 | .20893 | -.00006 | .01265 |
| Stddev | .00007 | .00042  | .01637 | .00017  | .00001 | .02975 | .00029  | .00707 |
| %RSD   | 1.7304 | 60.364  | 4.5686 | 44.727  | .04011 | 14.240 | 446.03  | 55.946 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00408 | -.00021 | .33950 | -.00042 | .02115 | .17862 | -.00002 | .02067 |
| #2 | .00421 | -.00090 | .36937 | -.00019 | .02115 | .23809 | -.00037 | .00995 |
| #3 | .00420 | -.00097 | .36604 | -.00053 | .02114 | .21008 | .00020  | .00732 |

|        |        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .06787 | .38480 | .00013 | .00408 | -.00619 | .0166  | .00024 | <.00000 |
| Stddev | .00580 | .00337 | .00081 | .00184 | .00066  | .0007  | .00004 | .21673  |
| %RSD   | 8.5491 | .87659 | 633.99 | 45.075 | 10.632  | 3.998  | 15.213 | 7.3648  |

|    |        |        |         |        |         |       |        |         |
|----|--------|--------|---------|--------|---------|-------|--------|---------|
| #1 | .06851 | .38616 | .00043  | .00243 | -.00692 | .0159 | .00023 | -2.6992 |
| #2 | .07333 | .38096 | .00074  | .00606 | -.00599 | .0168 | .00027 | -3.1142 |
| #3 | .06178 | .38728 | -.00079 | .00374 | -.00565 | .0171 | .00020 | -3.0150 |

Sample Name: K1263-01DUP      Acquired: 2/1/2019 19:24:29      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.5922 |
| Stddev | .5787  |
| %RSD   | 22.326 |

|    |        |
|----|--------|
| #1 | 3.0056 |
| #2 | 1.9308 |
| #3 | 2.8402 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2976.0 | 36945. | 3616.4 | 10.560 | 3316.1 |
| Stddev    | 11.2   | 35.    | 37.7   | 1.279  | 9.5    |
| %RSD      | .37530 | .09475 | 1.0426 | 12.108 | .28508 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2963.1 | 36930. | 3582.1 | 10.714 | 3306.5 |
| #2 | 2981.3 | 36920. | 3656.8 | 9.2114 | 3316.4 |
| #3 | 2983.5 | 36985. | 3610.4 | 11.755 | 3325.4 |

Sample Name: K1263-01LX5      Acquired: 2/1/2019 19:28:56      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |        |         |        |         |         |
|--------|---------|--------|--------|--------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00012 | .00036 | .00010 | .00280 | -.00053 | .00970 | -.01170 | -.00008 |
| Stddev | .00164  | .00047 | .00038 | .00172 | .00025  | .01406 | .01149  | .00002  |
| %RSD   | 1364.5  | 131.34 | 373.41 | 61.509 | 46.166  | 145.03 | 98.155  | 28.797  |

|    |         |         |         |        |         |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00058 | -.00003 | .00009  | .00114 | -.00028 | .02498  | -.02233 | -.00009 |
| #2 | .00170  | .00088  | .00049  | .00268 | -.00055 | .00680  | .00048  | -.00009 |
| #3 | -.00148 | .00022  | -.00027 | .00457 | -.00077 | -.00269 | -.01326 | -.00005 |

|        |         |        |         |        |        |        |        |         |
|--------|---------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00005 | .02834 | -.00005 | .00007 | .00933 | .02667 | .00468 | -.00233 |
| Stddev | .00001  | .00606 | .00028  | .00010 | .00034 | .00172 | .00005 | .02622  |
| %RSD   | 15.437  | 21.370 | 517.52  | 143.15 | 3.6655 | 6.4449 | 1.0716 | 1123.7  |

|    |         |        |         |         |        |        |        |         |
|----|---------|--------|---------|---------|--------|--------|--------|---------|
| #1 | -.00004 | .03507 | -.00016 | .00003  | .00903 | .02584 | .00463 | .02779  |
| #2 | -.00005 | .02663 | -.00026 | -.00001 | .00927 | .02864 | .00473 | -.02000 |
| #3 | -.00006 | .02333 | .00026  | .00019  | .00970 | .02551 | .00468 | -.01479 |

|        |        |        |        |         |        |        |         |         |
|--------|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00051 | .00003 | .14217 | -.00041 | .00519 | .06651 | -.00004 | -.00636 |
| Stddev | .00027 | .00040 | .00485 | .00058  | .00005 | .04859 | .00013  | .00279  |
| %RSD   | 53.043 | 1478.1 | 3.4125 | 143.18  | .93122 | 73.060 | 300.80  | 43.834  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00073 | .00015  | .14402 | .00016  | .00524 | .07763 | .00001  | -.00711 |
| #2 | .00021 | .00035  | .13666 | -.00100 | .00521 | .10857 | .00005  | -.00328 |
| #3 | .00061 | -.00042 | .14582 | -.00038 | .00514 | .01332 | -.00020 | -.00870 |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .04452 | .08230 | -.00018 | .00489 | -.00152 | .0040  | .00005 | <.00000 |
| Stddev | .02279 | .00431 | .00078  | .00120 | .00104  | .0011  | .00008 | .68400  |
| %RSD   | 51.192 | 5.2379 | 445.54  | 24.613 | 68.256  | 28.54  | 164.74 | 49.667  |

|    |        |        |         |        |         |       |         |         |
|----|--------|--------|---------|--------|---------|-------|---------|---------|
| #1 | .01899 | .08635 | .00069  | .00460 | -.00143 | .0031 | .00010  | -1.1808 |
| #2 | .06282 | .08277 | -.00084 | .00621 | -.00054 | .0036 | .00009  | -2.1379 |
| #3 | .05175 | .07777 | -.00038 | .00386 | -.00261 | .0053 | -.00004 | -.81284 |

Sample Name: K1263-01LX5      Acquired: 2/1/2019 19:28:56      Type: Unk  
Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.6804 |
| Stddev | .5987  |
| %RSD   | 35.629 |

|    |        |
|----|--------|
| #1 | 1.7656 |
| #2 | 2.2320 |
| #3 | 1.0437 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2882.5 | 35649. | 3476.5 | 10.033 | 3163.7 |
| Stddev    | 4.8    | 90.    | 15.7   | .670   | 4.5    |
| %RSD      | .16668 | .25353 | .45206 | 6.6762 | .14256 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2879.8 | 35630. | 3494.4 | 9.5114 | 3160.4 |
| #2 | 2888.1 | 35747. | 3465.3 | 9.8000 | 3168.8 |
| #3 | 2879.7 | 35570. | 3469.6 | 10.789 | 3161.8 |

Sample Name: K1263-01MS      Acquired: 2/1/2019 19:33:24      Type: Unk  
Method: P4-ICP2(v2820)      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    | .83466 | 2.1304 | 1.0365 | 2.0810 | .87952 | 2.0580 | .21754 |
| Stddev | .00342 | .0051  | .0012  | .0038  | .00230 | .0124  | .00440 |
| %RSD   | .40949 | .23938 | .11924 | .18316 | .26108 | .60454 | 2.0245 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83168 | 2.1363 | 1.0362 | 2.0810 | .88131 | 2.0479 | .21569 |
| #2 | .83393 | 2.1273 | 1.0354 | 2.0771 | .87693 | 2.0719 | .22257 |
| #3 | .83839 | 2.1277 | 1.0378 | 2.0847 | .88031 | 2.0542 | .21437 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21388 | .20062 | 1.2815 | .44094 | .20907 | .39128 | 3.8393 |
| Stddev | .00034 | .00009 | .0103  | .00147 | .00026 | .00074 | .0335  |
| %RSD   | .15818 | .04537 | .80370 | .33429 | .12287 | .19020 | .87174 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21390 | .20069 | 1.2721 | .44032 | .20893 | .39082 | 3.8088 |
| #2 | .21421 | .20051 | 1.2798 | .43988 | .20891 | .39088 | 3.8340 |
| #3 | .21353 | .20065 | 1.2925 | .44263 | .20937 | .39214 | 3.8751 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .24824 | 2.3380 | .52866 | .07716 | 3.8178 | .32689 | .22052 |
| Stddev | .00069 | .0296  | .00075 | .00062 | .0123  | .00029 | .00023 |
| %RSD   | .27755 | 1.2654 | .14162 | .80344 | .32106 | .08999 | .10439 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .24772 | 2.3704 | .52939 | .07664 | 3.8080 | .32663 | .22060 |
| #2 | .24902 | 2.3123 | .52870 | .07700 | 3.8315 | .32684 | .22027 |
| #3 | .24797 | 2.3313 | .52789 | .07785 | 3.8139 | .32721 | .22071 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.652 | .44987 | .34482 | .05390 | 1.4795 | .73053 | .22557 |
| Stddev | .053   | .00148 | .00488 | .01192 | .0066  | .00164 | .00176 |
| %RSD   | .45431 | .32900 | 1.4149 | 22.123 | .44910 | .22507 | .78239 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.592 | .44902 | .35007 | .06764 | 1.4738 | .72912 | .22601 |
| #2 | 11.693 | .44902 | .34397 | .04774 | 1.4868 | .73015 | .22707 |
| #3 | 11.671 | .45158 | .34043 | .04632 | 1.4780 | .73234 | .22363 |

Sample Name: K1263-01MS      Acquired: 2/1/2019 19:33:24      Type: Unk  
Method: P4-ICP2(v2820)      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    | .21713 | 5.553  | .22100 | <.00000 | F<.00000 |
| Stddev | .00176 | .015   | .00123 | .33701  | 2.2087   |
| %RSD   | .81125 | .2612  | .55529 | 25.865  | 10.330   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .21510 | 5.546 | .21969 | -1.5559 | -23.589 |
| #2 | .21815 | 5.542 | .22212 | -1.4326 | -21.382 |
| #3 | .21814 | 5.569 | .22119 | -.92036 | -19.172 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2971.3 | 36454. | 3532.4 | 10.316 | 3229.0 |
| Stddev    | 16.4   | 82.    | 27.3   | 1.123  | 20.0   |
| %RSD      | .55068 | .22387 | .77365 | 10.887 | .61842 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2962.0 | 36509. | 3556.1 | 11.607 | 3210.7 |
| #2 | 2990.2 | 36494. | 3538.5 | 9.7773 | 3250.3 |
| #3 | 2961.7 | 36360. | 3502.5 | 9.5636 | 3225.9 |

Sample Name: K1263-01MSD      Acquired: 2/1/2019 19:37:30      Type: Unk  
Method: P4-ICP2(v2820)      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    | .83542 | 2.1277 | 1.0354 | 2.0812 | .88117 | 2.0600 | .21815 |
| Stddev | .00326 | .0055  | .0039  | .0041  | .00330 | .0246  | .00568 |
| %RSD   | .38985 | .25712 | .37226 | .19542 | .37404 | 1.1958 | 2.6051 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83581 | 2.1223 | 1.0338 | 2.0856 | .88497 | 2.0556 | .21159 |
| #2 | .83847 | 2.1275 | 1.0398 | 2.0776 | .87945 | 2.0865 | .22134 |
| #3 | .83199 | 2.1332 | 1.0327 | 2.0803 | .87908 | 2.0378 | .22152 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21353 | .20089 | 1.2749 | .43688 | .20888 | .39257 | 3.8119 |
| Stddev | .00049 | .00021 | .0196  | .00233 | .00056 | .00138 | .0550  |
| %RSD   | .22859 | .10234 | 1.5339 | .53282 | .26864 | .35048 | 1.4437 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21299 | .20066 | 1.2758 | .43457 | .20823 | .39108 | 3.7864 |
| #2 | .21393 | .20104 | 1.2550 | .43923 | .20923 | .39284 | 3.7743 |
| #3 | .21369 | .20098 | 1.2940 | .43684 | .20917 | .39379 | 3.8751 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .24747 | 2.2495 | .52918 | .07647 | 3.8092 | .32782 | .21997 |
| Stddev | .00077 | .0277  | .00156 | .00117 | .0334  | .00096 | .00034 |
| %RSD   | .30956 | 1.2333 | .29570 | 1.5245 | .87668 | .29305 | .15642 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .24659 | 2.2388 | .52754 | .07575 | 3.7942 | .32884 | .21994 |
| #2 | .24789 | 2.2810 | .53065 | .07781 | 3.7860 | .32767 | .22033 |
| #3 | .24794 | 2.2287 | .52936 | .07583 | 3.8475 | .32694 | .21964 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.663 | .45212 | .34000 | .04602 | 1.4652 | .72976 | .23114 |
| Stddev | .114   | .00070 | .00620 | .01189 | .0261  | .00118 | .00264 |
| %RSD   | .98144 | .15465 | 1.8235 | 25.839 | 1.7819 | .16130 | 1.1434 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.540 | .45290 | .33934 | .03895 | 1.4604 | .73106 | .22970 |
| #2 | 11.683 | .45155 | .33415 | .03935 | 1.4418 | .72877 | .22953 |
| #3 | 11.766 | .45190 | .34650 | .05974 | 1.4933 | .72944 | .23419 |

Sample Name: K1263-01MSD      Acquired: 2/1/2019 19:37:30      Type: Unk  
Method: P4-ICP2(v2820)      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       | .21830 | 5.558  | .22079 | <.00000 | F<.00000 |
| Stddev    | .00181 | .009   | .00086 | .11823  | .82521   |
| %RSD      | .82974 | .1549  | .38980 | 7.8931  | 3.9773   |
| #1        | .21940 | 5.549  | .22009 | -1.5723 | -20.190  |
| #2        | .21929 | 5.559  | .22054 | -1.5598 | -20.358  |
| #3        | .21621 | 5.566  | .22175 | -1.3615 | -21.696  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2949.2 | 36390. | 3525.4 | 9.9576  | 3208.4   |
| Stddev    | 8.5    | 15.    | 48.6   | .6616   | 8.5      |
| %RSD      | .28730 | .04110 | 1.3785 | 6.6440  | .26467   |
| #1        | 2948.4 | 36382. | 3532.1 | 9.7227  | 3211.8   |
| #2        | 2941.2 | 36407. | 3570.3 | 10.705  | 3198.7   |
| #3        | 2958.1 | 36381. | 3473.8 | 9.4455  | 3214.6   |

Sample Name: K1263-01A      Acquired: 2/1/2019 19:41:36      Type: Unk  
Method: P4-ICP2(v2820)      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    | .82957 | 2.1191 | 1.0258 | 2.0691 | .87222 | 2.0320 | .21279 |
| Stddev | .00208 | .0117  | .0012  | .0012  | .00630 | .0162  | .01360 |
| %RSD   | .25038 | .55373 | .11373 | .05700 | .72192 | .79852 | 6.3925 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83197 | 2.1266 | 1.0270 | 2.0703 | .87023 | 2.0473 | .20886 |
| #2 | .82846 | 2.1252 | 1.0258 | 2.0692 | .86715 | 2.0150 | .22793 |
| #3 | .82829 | 2.1056 | 1.0247 | 2.0679 | .87927 | 2.0337 | .20159 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21172 | .19933 | 1.2706 | .43379 | .20760 | .38954 | 3.7870 |
| Stddev | .00030 | .00037 | .0017  | .00157 | .00008 | .00082 | .0588  |
| %RSD   | .14348 | .18779 | .13188 | .36207 | .03851 | .21147 | 1.5535 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21155 | .19950 | 1.2687 | .43259 | .20765 | .38953 | 3.7211 |
| #2 | .21154 | .19958 | 1.2715 | .43321 | .20763 | .38872 | 3.8055 |
| #3 | .21207 | .19890 | 1.2717 | .43557 | .20750 | .39037 | 3.8343 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .24577 | 2.2734 | .52558 | .07632 | 3.8060 | .32507 | .21858 |
| Stddev | .00043 | .0301  | .00100 | .00056 | .0291  | .00193 | .00035 |
| %RSD   | .17457 | 1.3234 | .18945 | .73515 | .76393 | .59381 | .15961 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .24592 | 2.2403 | .52479 | .07603 | 3.8076 | .32415 | .21887 |
| #2 | .24529 | 2.2992 | .52527 | .07596 | 3.7762 | .32729 | .21868 |
| #3 | .24611 | 2.2807 | .52670 | .07697 | 3.8343 | .32378 | .21819 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.578 | .44861 | .33898 | .04479 | 1.4549 | .72396 | .22698 |
| Stddev | .019   | .00124 | .01463 | .02323 | .0155  | .00108 | .00218 |
| %RSD   | .16411 | .27744 | 4.3159 | 51.860 | 1.0663 | .14908 | .95900 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.562 | .44884 | .32978 | .04462 | 1.4395 | .72496 | .22461 |
| #2 | 11.572 | .44726 | .33131 | .02165 | 1.4548 | .72410 | .22745 |
| #3 | 11.599 | .44972 | .35585 | .06811 | 1.4705 | .72281 | .22889 |

Sample Name: K1263-01A      Acquired: 2/1/2019 19:41:36      Type: Unk  
Method: P4-ICP2(v2820)      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       | .21583 | 5.529  | .21919 | <.00000 | F<.00000 |
| Stddev    | .00300 | .016   | .00089 | .03670  | .24032   |
| %RSD      | 1.3886 | .2825  | .40771 | 1.8268  | 1.1788   |
| #1        | .21429 | 5.526  | .21816 | -2.0413 | -20.161  |
| #2        | .21929 | 5.545  | .21978 | -2.0166 | -20.639  |
| #3        | .21392 | 5.515  | .21962 | -1.9691 | -20.358  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2970.7 | 36523. | 3521.2 | 11.346  | 3233.3   |
| Stddev    | 4.5    | 81.    | 21.2   | 1.116   | 5.0      |
| %RSD      | .15017 | .22224 | .60118 | 9.8364  | .15349   |
| #1        | 2966.9 | 36429. | 3543.9 | 11.902  | 3229.2   |
| #2        | 2975.6 | 36560. | 3502.0 | 10.061  | 3231.8   |
| #3        | 2969.5 | 36578. | 3517.7 | 12.075  | 3238.8   |

Sample Name: K1272-01      Acquired: 2/1/2019 19:45:42      Type: Unk  
Method: P4-ICP2(v2820)      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    | .03110 | -.00655 | .14868 | .02430 | -.01143 | 80.473 | .78909 |
| Stddev | .00145 | .00101  | .00114 | .00095 | .00221  | .392   | .00660 |
| %RSD   | 4.6684 | 15.434  | .76830 | 3.8943 | 19.341  | .48721 | .83596 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .03129 | -.00770 | .14917 | .02521 | -.01245 | 80.610 | .78509 |
| #2 | .03245 | -.00581 | .14737 | .02332 | -.00890 | 80.778 | .78548 |
| #3 | .02957 | -.00614 | .14949 | .02438 | -.01295 | 80.031 | .79671 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00260 | -.00364 | 41.894 | .15042 | .01411 | 1.0003 | 144.55 |
| Stddev | .00002 | .00026  | .289   | .00011 | .00007 | .0013  | 1.66   |
| %RSD   | .72202 | 7.1239  | .68952 | .07596 | .52490 | .12997 | 1.1486 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00260 | -.00340 | 41.602 | .15044 | .01412 | 1.0013 | 143.88 |
| #2 | .00258 | -.00361 | 41.900 | .15053 | .01403 | .99882 | 143.33 |
| #3 | .00262 | -.00392 | 42.179 | .15030 | .01418 | 1.0007 | 146.44 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.4497 | 11.909 | .04471 | .00235 | 1.5925 | .22582 | 1.5398 |
| Stddev | .0017  | .122   | .00036 | .00035 | .0064  | .00086 | .0036  |
| %RSD   | .11883 | 1.0214 | .81023 | 14.958 | .39960 | .37872 | .23131 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.4507 | 12.030 | .04446 | .00195 | 1.5878 | .22490 | 1.5440 |
| #2 | 1.4478 | 11.912 | .04454 | .00258 | 1.5899 | .22659 | 1.5379 |
| #3 | 1.4508 | 11.787 | .04513 | .00253 | 1.5997 | .22598 | 1.5377 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 7.9255 | .02098 | .12224 | F 17.117 | 1.6883 | .04280 | .51820 |
| Stddev | .0683  | .00047 | .00514 | .063     | .0216  | .00058 | .00291 |
| %RSD   | .86127 | 2.2223 | 4.2041 | .36816   | 1.2792 | 1.3604 | .56072 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.8980 | .02078 | .11695 | 17.044 | 1.6663 | .04255 | .51729 |
| #2 | 7.8752 | .02152 | .12721 | 17.151 | 1.6890 | .04239 | .52145 |
| #3 | 8.0032 | .02066 | .12256 | 17.156 | 1.7095 | .04347 | .51586 |

Sample Name: K1272-01      Acquired: 2/1/2019 19:45:42      Type: Unk  
Method: P4-ICP2(v2820)      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       | .02498 | F 31.13 | .17346 | <.00000 | F<.00000 |
| Stddev    | .00277 | .04     | .00124 | .40693  | 4.2310   |
| %RSD      | 11.101 | .1258   | .71471 | 11.242  | .76799   |
| #1        | .02806 | 31.16   | .17245 | -3.1750 | -549.48  |
| #2        | .02267 | 31.09   | .17484 | -3.9736 | -555.69  |
| #3        | .02423 | 31.14   | .17307 | -3.7106 | -547.61  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2991.9 | 36718.  | 3713.1 | 10.155  | 2938.1   |
| Stddev    | 8.4    | 99.     | 44.2   | 1.278   | 10.7     |
| %RSD      | .28178 | .26983  | 1.1901 | 12.583  | .36403   |
| #1        | 2982.8 | 36616.  | 3736.4 | 9.1816  | 2925.9   |
| #2        | 2999.4 | 36814.  | 3740.8 | 9.6804  | 2945.9   |
| #3        | 2993.6 | 36725.  | 3662.2 | 11.602  | 2942.4   |

Sample Name: CCV05      Acquired: 2/1/2019 19:49:57      Type: Unk  
Method: P4-ICP2(v2820)      Mode: 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    | 5.1559 | 5.1456 | 5.0894 | 5.1328 | 5.1832 | 9.9007 | 10.318 | .25974   |
| Stddev | .0147  | .0151  | .0120  | .0176  | .0132  | .0104  | .096   | .00043   |
| %RSD   | .28604 | .29377 | .23552 | .34270 | .25532 | .10549 | .93443 | .16673   |
| #1     | 5.1689 | 5.1607 | 5.0965 | 5.1525 | 5.1976 | 9.9123 | 10.225 | .26023   |
| #2     | 5.1399 | 5.1304 | 5.0756 | 5.1272 | 5.1715 | 9.8979 | 10.418 | .25940   |
| #3     | 5.1589 | 5.1457 | 5.0961 | 5.1187 | 5.1804 | 9.8920 | 10.310 | .25961   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5550 | 26.192 | 1.0185 | 2.5438 | 1.3102 | 5.4736 | 2.5982 | 25.945   |
| Stddev | .0054  | .244   | .0018  | .0055  | .0024  | .0631  | .0053  | .347     |
| %RSD   | .21255 | .93006 | .17393 | .21610 | .18652 | 1.1527 | .20409 | 1.3392   |
| #1     | 2.5578 | 25.919 | 1.0202 | 2.5469 | 1.3116 | 5.4035 | 2.6037 | 25.546   |
| #2     | 2.5487 | 26.388 | 1.0184 | 2.5375 | 1.3074 | 5.5259 | 2.5932 | 26.185   |
| #3     | 2.5584 | 26.268 | 1.0167 | 2.5472 | 1.3116 | 5.4914 | 2.5976 | 26.103   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5611 | 1.2575 | 26.535 | 2.5896 | 2.5240 | 26.570 | 5.2243 | 5.2508   |
| Stddev | .0053  | .0014  | .220   | .0066  | .0068  | .202   | .0193  | .0660    |
| %RSD   | .20806 | .10984 | .82995 | .25369 | .27067 | .76029 | .37017 | 1.2575   |
| #1     | 2.5578 | 1.2581 | 26.286 | 2.5953 | 2.5291 | 26.348 | 5.2431 | 5.1747   |
| #2     | 2.5583 | 1.2585 | 26.704 | 2.5910 | 2.5162 | 26.744 | 5.2044 | 5.2853   |
| #3     | 2.5673 | 1.2559 | 26.615 | 2.5824 | 2.5267 | 26.618 | 5.2254 | 5.2924   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0914 | 5.2549 | 5.0943 | 5.2368 | 5.2546 | 5.051  | 5.2961 | F 2.4770 |
| Stddev | .0267  | .0614  | .0059  | .0537  | .0480  | .012   | .0464  | .1594    |
| %RSD   | .52363 | 1.1687 | .11544 | 1.0245 | .91245 | .2362  | .87694 | 6.4341   |
| #1     | 5.0850 | 5.1845 | 5.0948 | 5.1757 | 5.2035 | 5.065  | 5.2510 | 2.6602   |
| #2     | 5.0686 | 5.2976 | 5.0882 | 5.2763 | 5.2986 | 5.044  | 5.3438 | 2.3708   |
| #3     | 5.1207 | 5.2826 | 5.0999 | 5.2585 | 5.2616 | 5.045  | 5.2936 | 2.3999   |

Sample Name: CCV05      Acquired: 2/1/2019 19:49:57      Type: Unk  
 Method: P4-ICP2(v2820)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.9204 |
| Stddev | 2.3529 |
| %RSD   | 47.819 |

|    |        |
|----|--------|
| #1 | 7.6373 |
| #2 | 3.5661 |
| #3 | 3.5578 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2765.5 | 33544. | 3382.2 | 8.7061 | 2777.3 |
| Stddev    | 12.2   | 151.   | 32.7   | 1.9139 | 9.5    |
| %RSD      | .44090 | .44962 | .96536 | 21.984 | .34286 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2751.7 | 33451. | 3412.7 | 10.908 | 2766.8 |
| #2 | 2774.5 | 33461. | 3347.8 | 7.4399 | 2785.4 |
| #3 | 2770.5 | 33718. | 3386.3 | 7.7705 | 2779.8 |

Sample Name: CCB05      Acquired: 2/1/2019 19:53:57      Type: Unk  
Method: P4-ICP2(v2820)      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    | .00157 | .00124 | -.00043 | .00049 | .00125 | .00420 | -.01880 |
| Stddev | .00271 | .00225 | .00115  | .00224 | .00059 | .00420 | .00738  |
| %RSD   | 172.98 | 181.85 | 263.83  | 462.08 | 46.841 | 100.13 | 39.246  |

|    |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|--------|--------|---------|
| #1 | -.00065 | .00327  | -.00155 | .00199  | .00070 | .00877 | -.02670 |
| #2 | .00076  | .00161  | .00074  | .00156  | .00119 | .00051 | -.01209 |
| #3 | .00459  | -.00118 | -.00050 | -.00209 | .00186 | .00331 | -.01760 |

|        |         |        |        |         |         |         |         |
|--------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00005 | .00008 | .01222 | -.00050 | -.00011 | -.00010 | -.00184 |
| Stddev | .00003  | .00003 | .01025 | .00025  | .00015  | .00038  | .00092  |
| %RSD   | 55.778  | 45.277 | 83.850 | 50.459  | 141.14  | 387.14  | 49.724  |

|    |         |        |        |         |         |         |         |
|----|---------|--------|--------|---------|---------|---------|---------|
| #1 | -.00008 | .00007 | .00131 | -.00079 | .00004  | -.00052 | -.00289 |
| #2 | -.00005 | .00004 | .02164 | -.00034 | -.00026 | .00001  | -.00121 |
| #3 | -.00003 | .00011 | .01370 | -.00037 | -.00010 | .00022  | -.00142 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00007 | .00249 | .00023 | -.00004 | .05837 | -.00042 | .00080 |
| Stddev | .00004 | .06034 | .00007 | .00007  | .00490 | .00061  | .00012 |
| %RSD   | 56.165 | 2420.4 | 28.763 | 170.51  | 8.3965 | 145.25  | 14.555 |

|    |        |         |        |         |        |         |        |
|----|--------|---------|--------|---------|--------|---------|--------|
| #1 | .00010 | -.04391 | .00031 | .00001  | .06202 | -.00103 | .00091 |
| #2 | .00007 | .07071  | .00020 | -.00002 | .05280 | .00019  | .00083 |
| #3 | .00003 | -.01932 | .00019 | -.00011 | .06030 | -.00043 | .00068 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .10506 | .00013 | .00034 | F .02851 | .00089 | .00003 | .00383 |
| Stddev | .07702 | .00036 | .00517 | .01349   | .00164 | .00061 | .00096 |
| %RSD   | 73.310 | 287.25 | 1511.0 | 47.323   | 183.92 | 1889.9 | 25.036 |

|    |        |         |         |        |         |         |        |
|----|--------|---------|---------|--------|---------|---------|--------|
| #1 | .18713 | -.00029 | .00631  | .01841 | -.00100 | -.00016 | .00315 |
| #2 | .03435 | .00028  | -.00251 | .04383 | .00170  | -.00046 | .00493 |
| #3 | .09369 | .00039  | -.00277 | .02329 | .00198  | .00072  | .00341 |

Sample Name: CCB05      Acquired: 2/1/2019 19:53:57      Type: Unk  
 Method: P4-ICP2(v2820)      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       | -.00313 | .0013  | -.00001 | F<.00000 | F .65782 |
| Stddev    | .00460  | .0005  | .00003  | .39268   | 1.3542   |
| %RSD      | 146.72  | 36.20  | 551.28  | 15.698   | 205.86   |
| #1        | -.00205 | .0008  | .00001  | -2.8829  | -.28056  |
| #2        | .00082  | .0018  | .00002  | -2.0984  | .04377   |
| #3        | -.00818 | .0012  | -.00004 | -2.5232  | 2.2103   |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2946.5  | 36238. | 3519.8  | 9.8030   | 3230.5   |
| Stddev    | 5.0     | 150.   | 72.0    | 1.1310   | 3.9      |
| %RSD      | .17082  | .41449 | 2.0455  | 11.537   | .11952   |
| #1        | 2940.7  | 36189. | 3600.9  | 8.9182   | 3226.8   |
| #2        | 2949.8  | 36119. | 3463.3  | 11.077   | 3234.5   |
| #3        | 2948.9  | 36407. | 3495.3  | 9.4136   | 3230.0   |