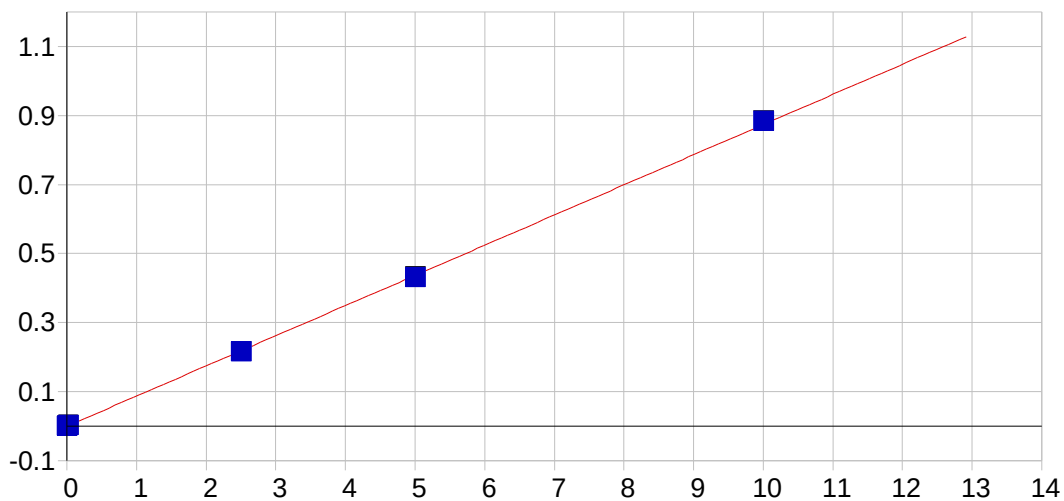


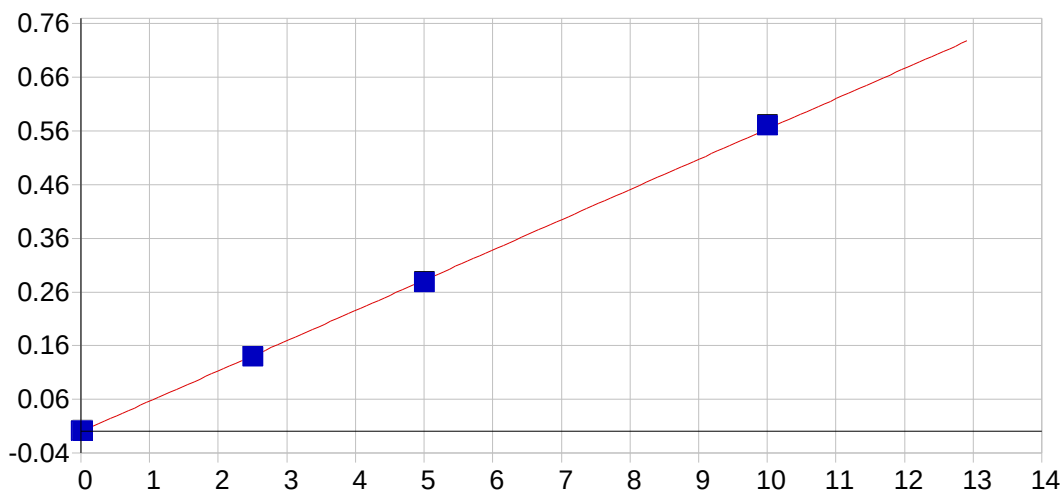


As 189.042 {478}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000156 Re-Slope: 1.000000  
 A1 (Gain): 0.087398 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999923 Status: OK.  
 Std Error of Est: 0.000026  
 Predicted MDL: 0.003341  
 Predicted MQL: 0.011137

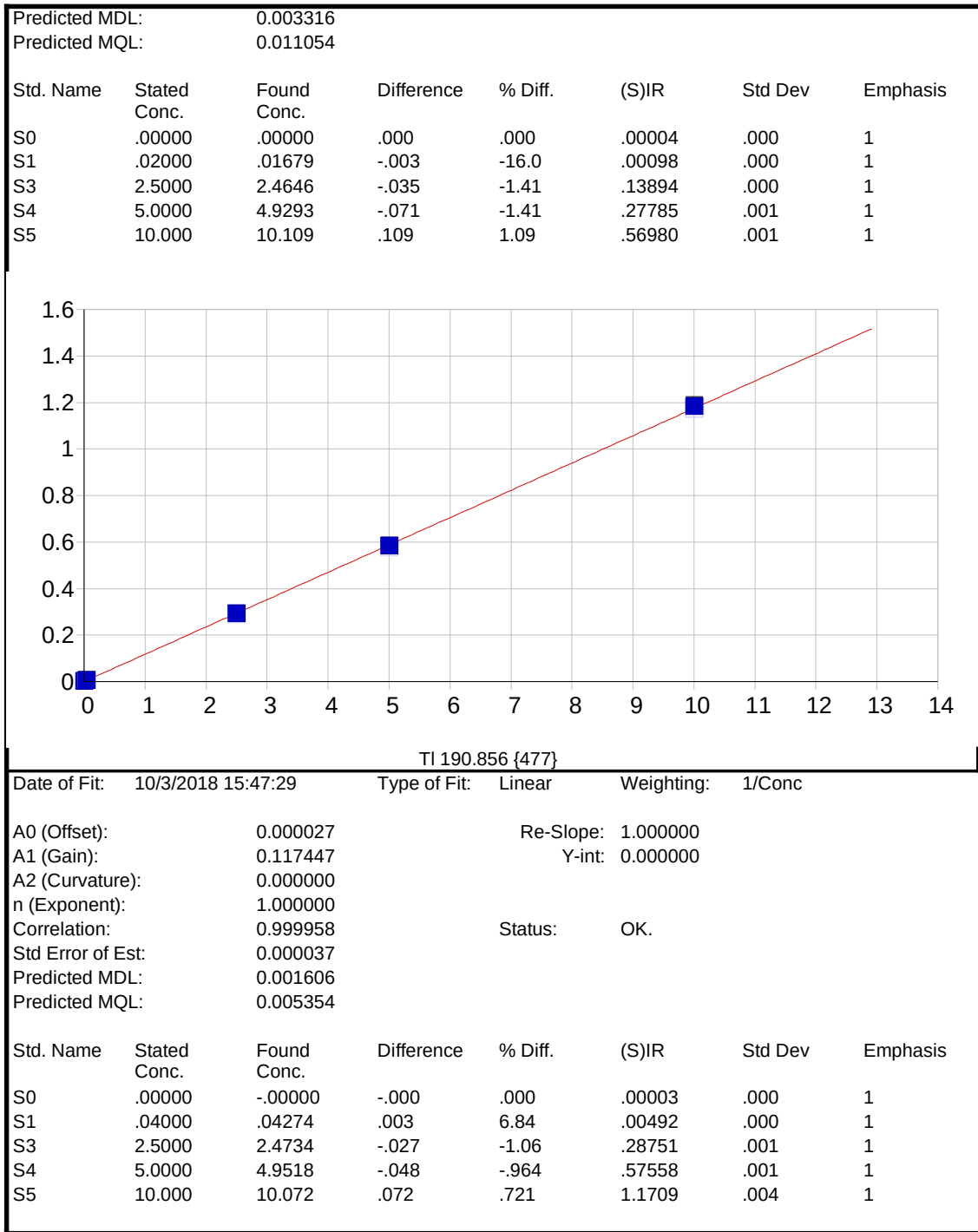
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00016 | .000    | 1        |
| S1        | .02000       | .01976      | -.000      | -1.19   | .00157  | .000    | 1        |
| S3        | 2.5000       | 2.4584      | -.042      | -1.67   | .21468  | .001    | 1        |
| S4        | 5.0000       | 4.9350      | -.065      | -1.30   | .43112  | .001    | 1        |
| S5        | 10.000       | 10.107      | .107       | 1.07    | .88311  | .002    | 1        |

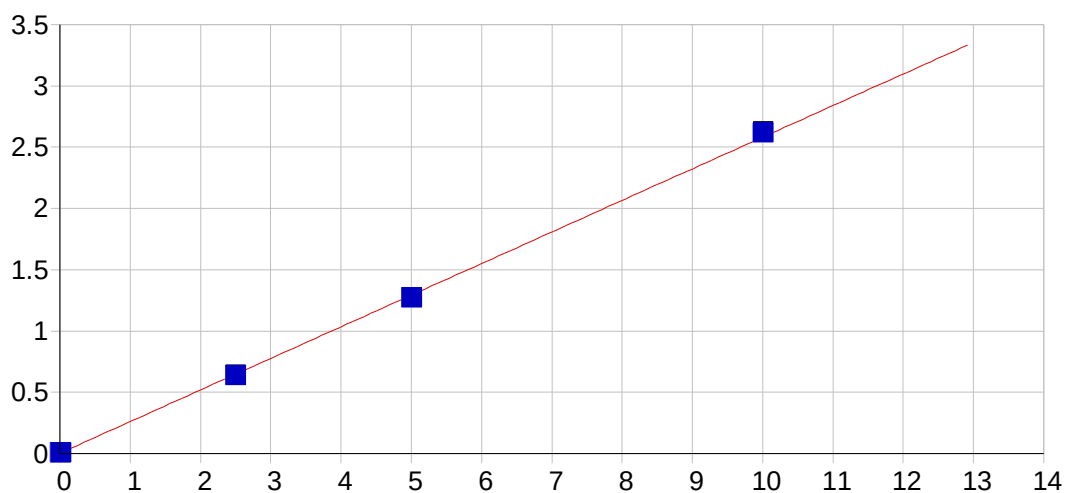


As 189.042 {479}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000036 Re-Slope: 1.000000  
 A1 (Gain): 0.056360 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999908 Status: OK.  
 Std Error of Est: 0.000018



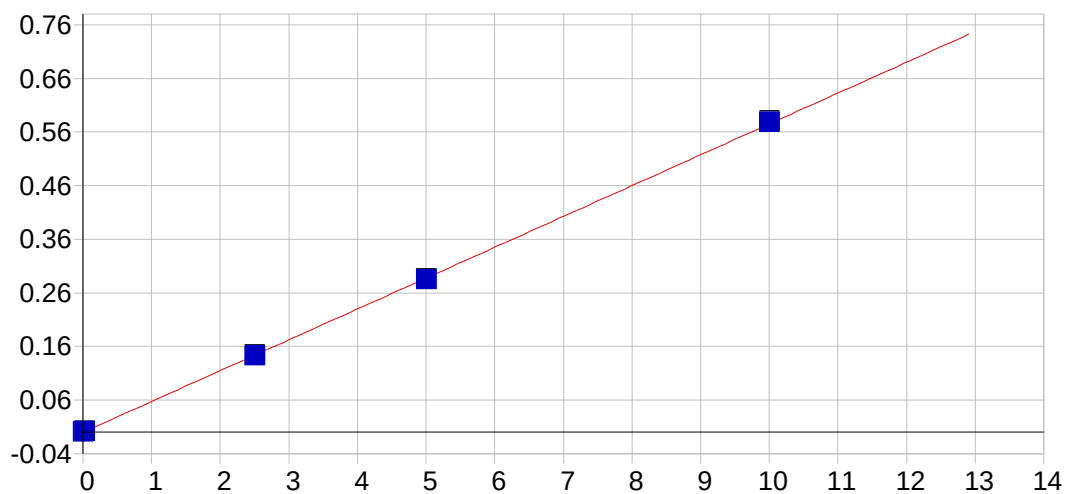


Pb 220.353 {453}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002920 Re-Slope: 1.000000  
 A1 (Gain): 0.257856 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999880 Status: OK.  
 Std Error of Est: 0.000075  
 Predicted MDL: 0.001175  
 Predicted MQL: 0.003916

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00292 | .000    | 1        |
| S1        | .01200       | .01232      | .000       | 2.65    | .00604 | .000    | 1        |
| S3        | 2.5000       | 2.4520      | -.048      | -1.92   | .63436 | .001    | 1        |
| S4        | 5.0000       | 4.9139      | -.086      | -1.72   | 1.2683 | .001    | 1        |
| S5        | 10.000       | 10.134      | .134       | 1.34    | 2.6127 | .007    | 1        |



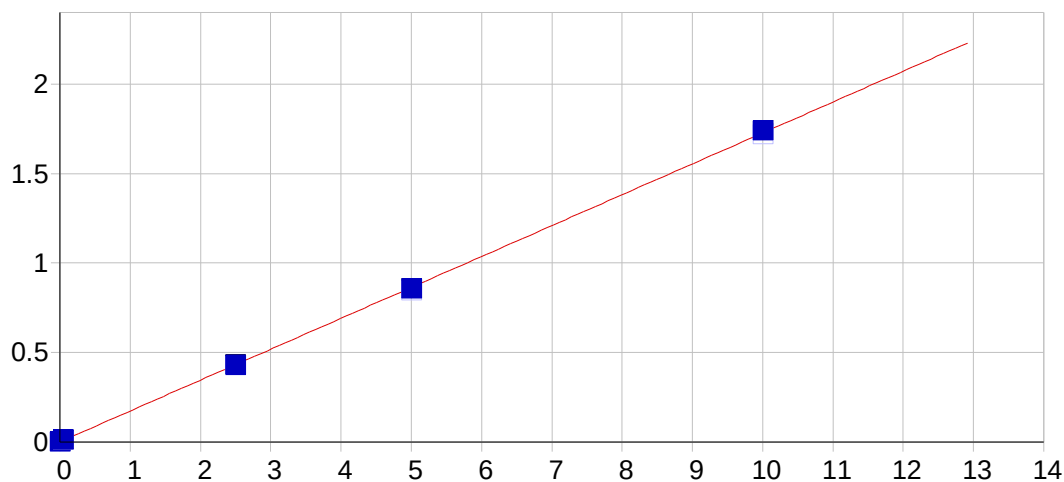
Se 196.090 {472}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000019 Re-Slope: 1.000000  
 A1 (Gain): 0.057499 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999955 Status: OK.  
 Std Error of Est: 0.000013  
 Predicted MDL: 0.004163

Predicted MQL: 0.013877

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00002 | .000    | 1        |
| S1        | .02000       | .02332      | .003       | 16.6    | .00136 | .000    | 1        |
| S3        | 2.5000       | 2.4782      | -.022      | -.873   | .14252 | .001    | 1        |
| S4        | 5.0000       | 4.9545      | -.045      | -.909   | .28491 | .000    | 1        |
| S5        | 10.000       | 10.064      | .064       | .640    | .57871 | .001    | 1        |

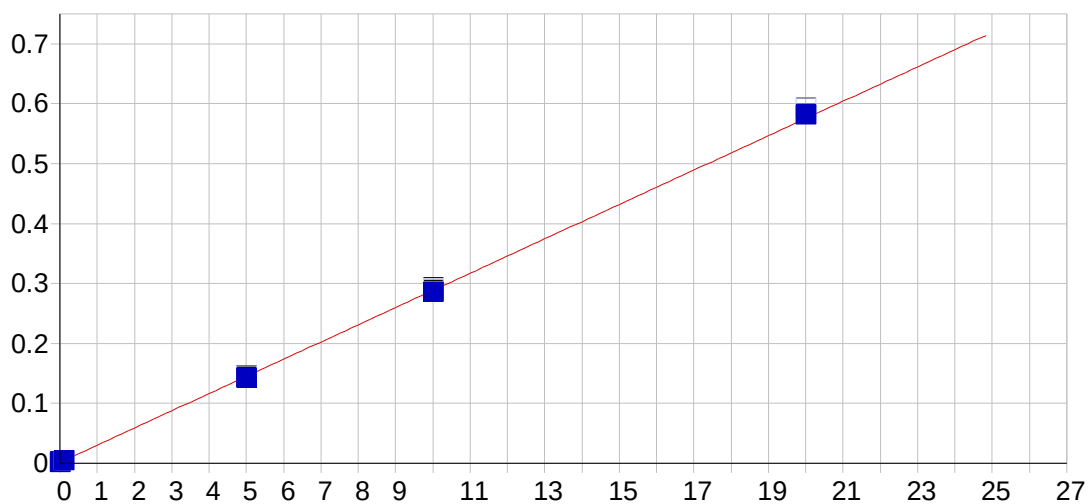


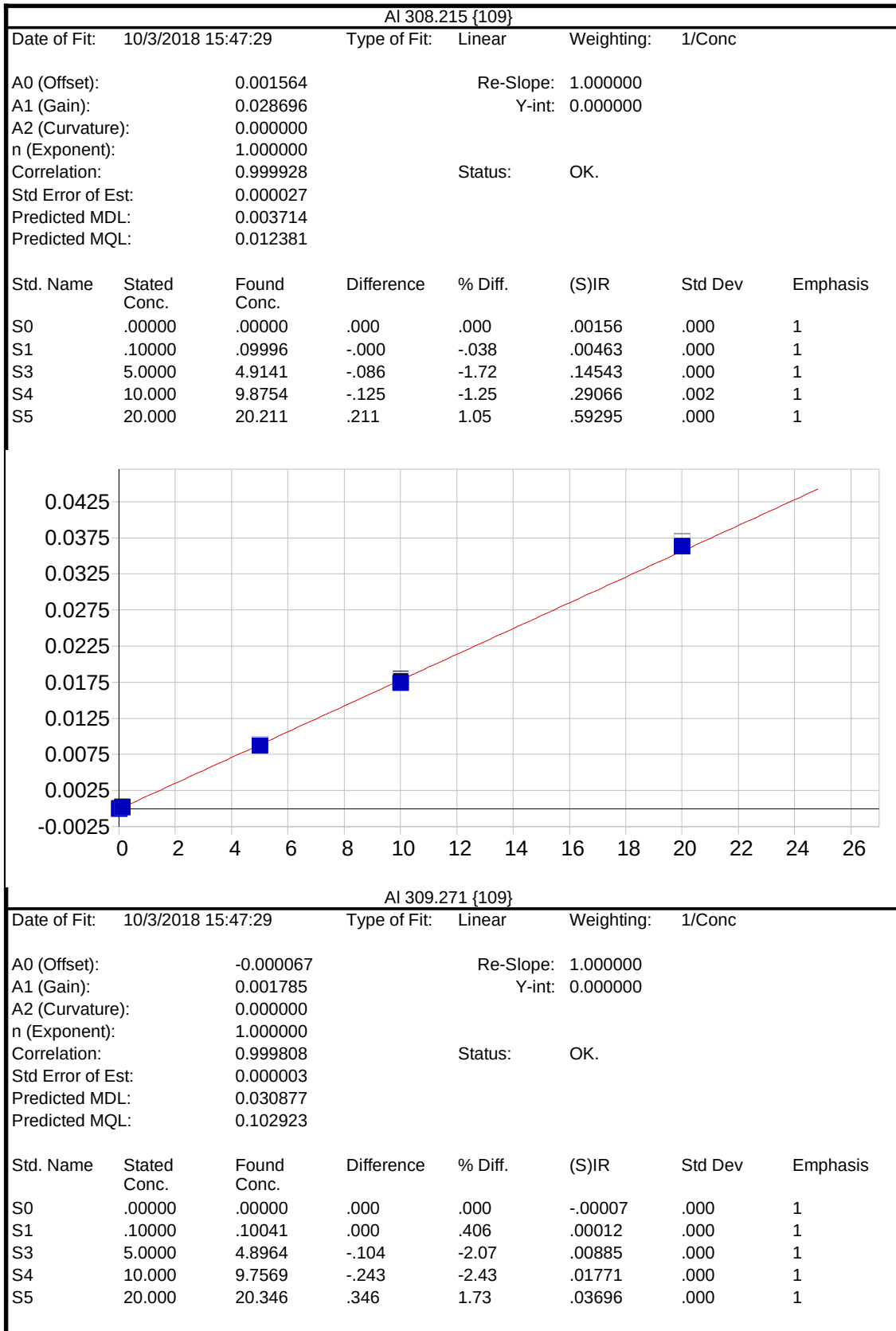
Sb 206.833 {463}

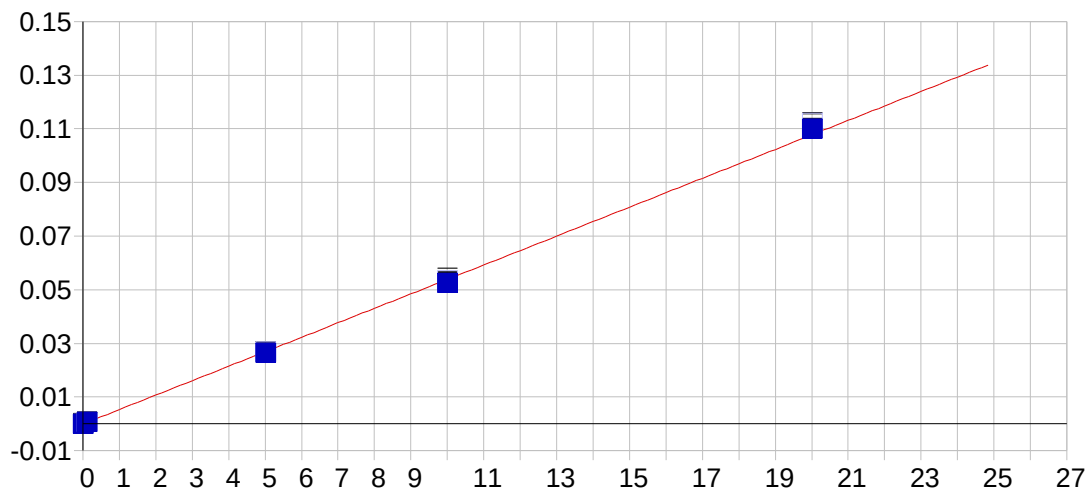
Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000827 Re-Slope: 1.000000  
A1 (Gain): 0.172613 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.999961 Status: OK.  
Std Error of Est: 0.000058  
Predicted MDL: 0.001984  
Predicted MQL: 0.006614

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00083 | .000    | 1        |
| S1        | .05000       | .05379      | .004       | 7.58    | .00990 | .000    | 1        |
| S3        | 2.5000       | 2.4842      | -.016      | -.631   | .42479 | .001    | 1        |
| S4        | 5.0000       | 4.9480      | -.052      | -1.04   | .84522 | .002    | 1        |
| S5        | 10.000       | 10.064      | .064       | .640    | 1.7186 | .000    | 1        |





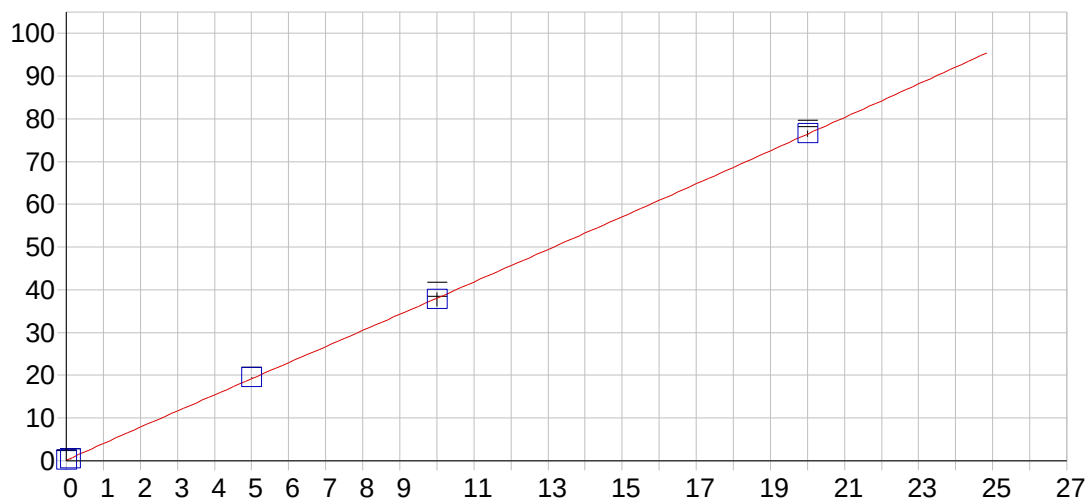


AI 396.152 { 85}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000109 Re-Slope: 1.000000  
 A1 (Gain): 0.005393 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999719 Status: OK.  
 Std Error of Est: 0.000010  
 Predicted MDL: 0.016563  
 Predicted MQL: 0.055211

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00011 | .000    | 1        |
| S1        | .10000       | .11374      | .014       | 13.7    | .00054  | .000    | 1        |
| S3        | 5.0000       | 4.8755      | -.124      | -2.49   | .02672  | .000    | 1        |
| S4        | 10.000       | 9.7187      | -.281      | -2.81   | .05338  | .001    | 1        |
| S5        | 20.000       | 20.391      | .391       | 1.96    | .11201  | .000    | 1        |



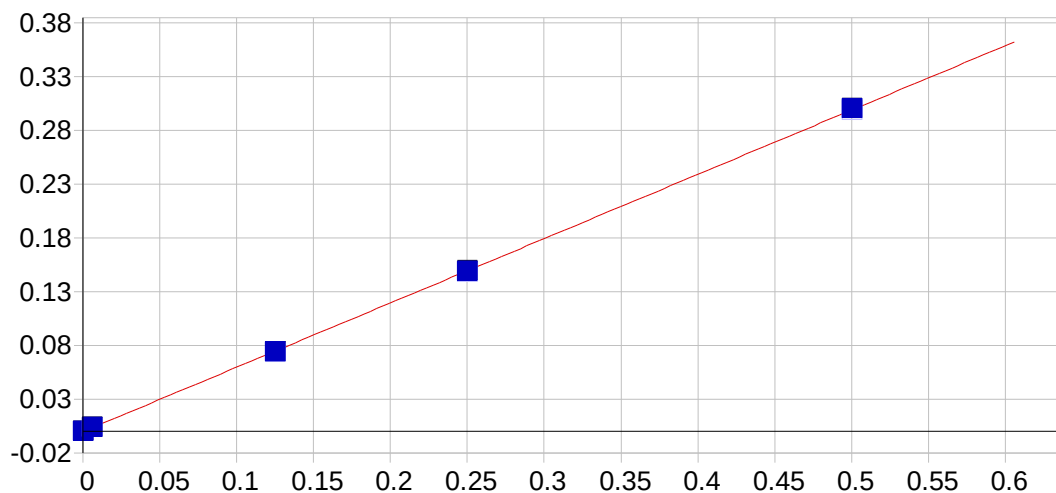
Ba 493.409 { 68}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Full Fit Weighting: 1/Conc

A0 (Offset): 0.075651 Re-Slope: 1.000000  
 A1 (Gain): 3.958002 Y-int: 0.000000  
 A2 (Curvature): 0.011971  
 n (Exponent): 0.970000  
 Correlation: 0.999971 Status: Warning Positive Curvature  
 Std Error of Est: 0.003848  
 Predicted MDL: 0.000807

Predicted MQL: 0.002690

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .07566 | .001    | 1        |
| S1        | .10000       | .09638      | -.004      | -3.62   | .48498 | .001    | 1        |
| S3        | 5.0000       | 5.0688      | .069       | 1.38    | 19.464 | .004    | 1        |
| S5        | 20.000       | 20.031      | .031       | .154    | 76.552 | .774    | 1        |
| S4        | 10.000       | 9.9037      | -.096      | -.963   | 37.692 | 1.67    | 1        |

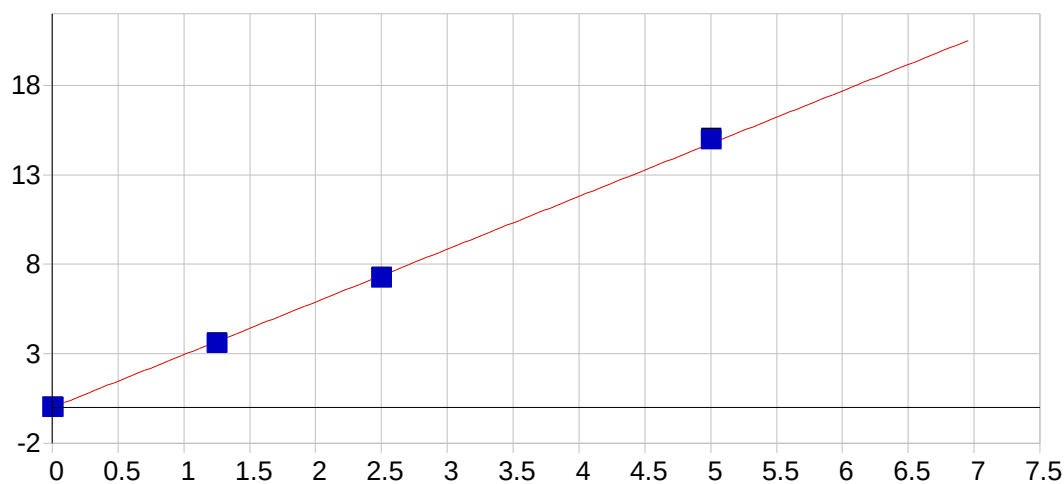


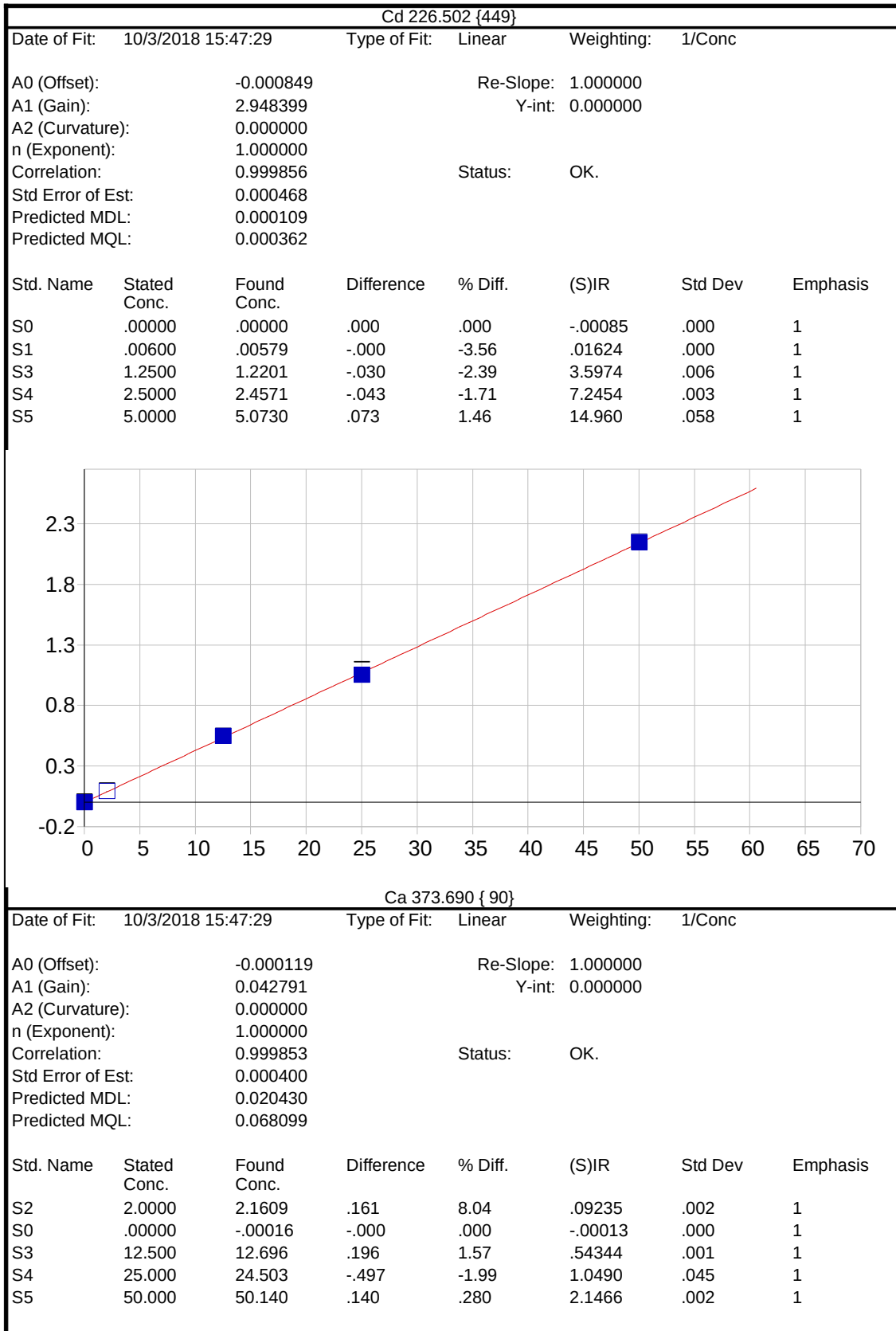
Be 234.861 {144}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

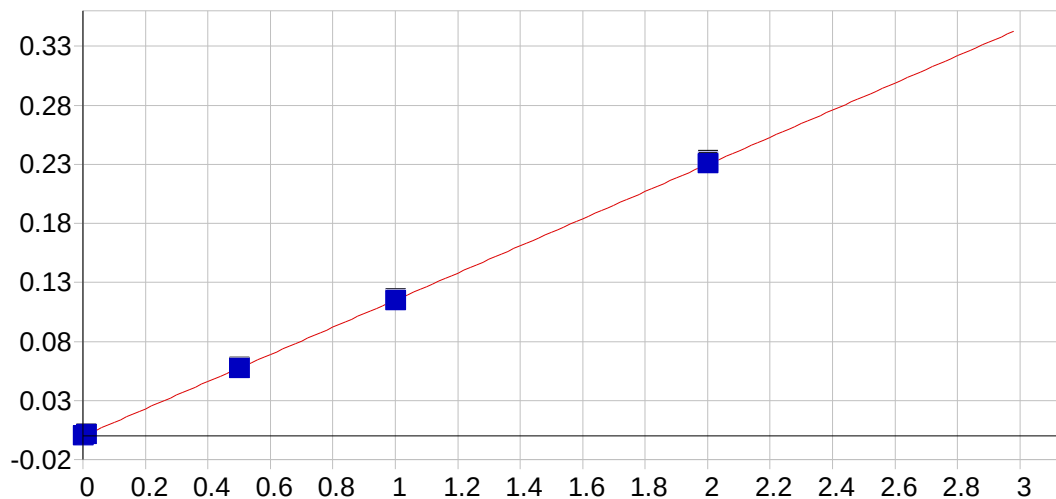
A0 (Offset): -0.000017 Re-Slope: 1.000000  
A1 (Gain): 0.598236 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.999988 Status: OK.  
Std Error of Est: 0.000009  
Predicted MDL: 0.000092  
Predicted MQL: 0.000307

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00002 | .000    | 1        |
| S1        | .00600       | .00610      | .000       | 1.67    | .00360  | .000    | 1        |
| S3        | .12500       | .12404      | -.001      | -.766   | .07372  | .000    | 1        |
| S4        | .25000       | .24889      | -.001      | -.444   | .14794  | .001    | 1        |
| S5        | .50000       | .50197      | .002       | .394    | .29840  | .000    | 1        |







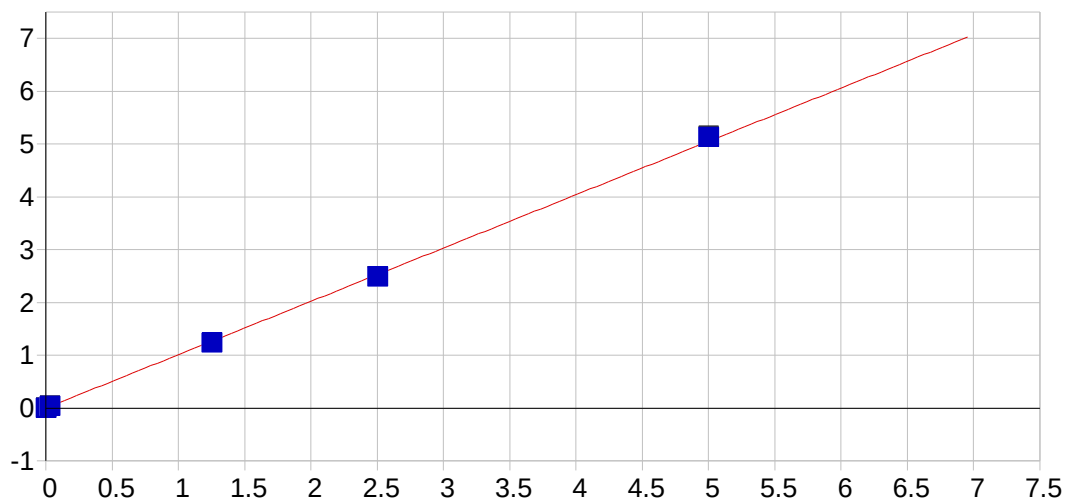


Cr 267.716 {126}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000032 Re-Slope: 1.000000  
 A1 (Gain): 0.114930 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999989 Status: OK.  
 Std Error of Est: 0.000004  
 Predicted MDL: 0.000624  
 Predicted MQL: 0.002082

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00003 | .000    | 1        |
| S1        | .01000       | .01058      | .001       | 5.78    | .00125 | .000    | 1        |
| S3        | .50000       | .49764      | -.002      | -.472   | .05766 | .000    | 1        |
| S4        | 1.0000       | .99592      | -.004      | -.408   | .11535 | .001    | 1        |
| S5        | 2.0000       | 2.0059      | .006       | .293    | .23228 | .001    | 1        |



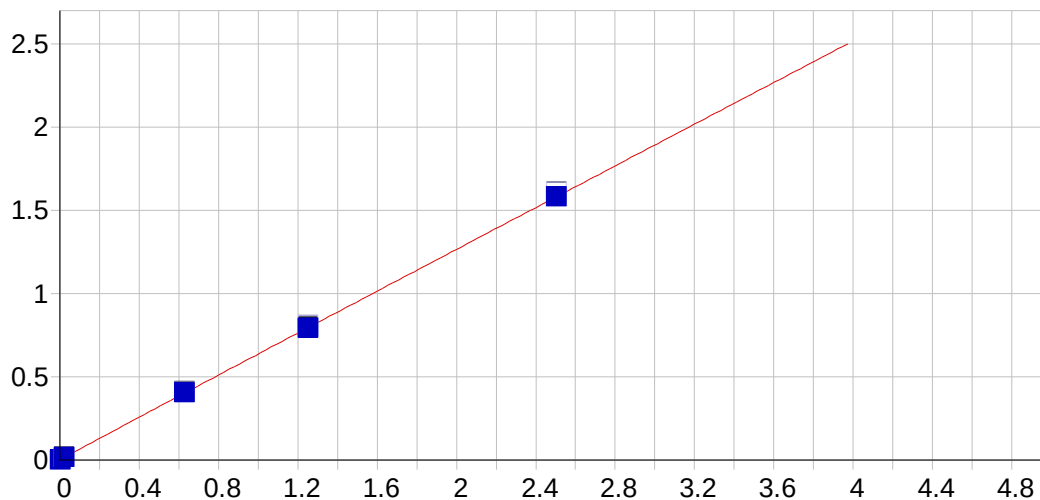
Co 228.616 {447}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000428 Re-Slope: 1.000000  
 A1 (Gain): 1.010234 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999843 Status: OK.  
 Std Error of Est: 0.000375  
 Predicted MDL: 0.000288

Predicted MQL: 0.000959

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00043 | .000    | 1        |
| S1        | .03000       | .03243      | .002       | 8.09    | .03213  | .000    | 1        |
| S3        | 1.2500       | 1.2199      | -.030      | -2.41   | 1.2330  | .002    | 1        |
| S4        | 2.5000       | 2.4553      | -.045      | -1.79   | 2.4820  | .003    | 1        |
| S5        | 5.0000       | 5.0723      | .072       | 1.45    | 5.1278  | .014    | 1        |

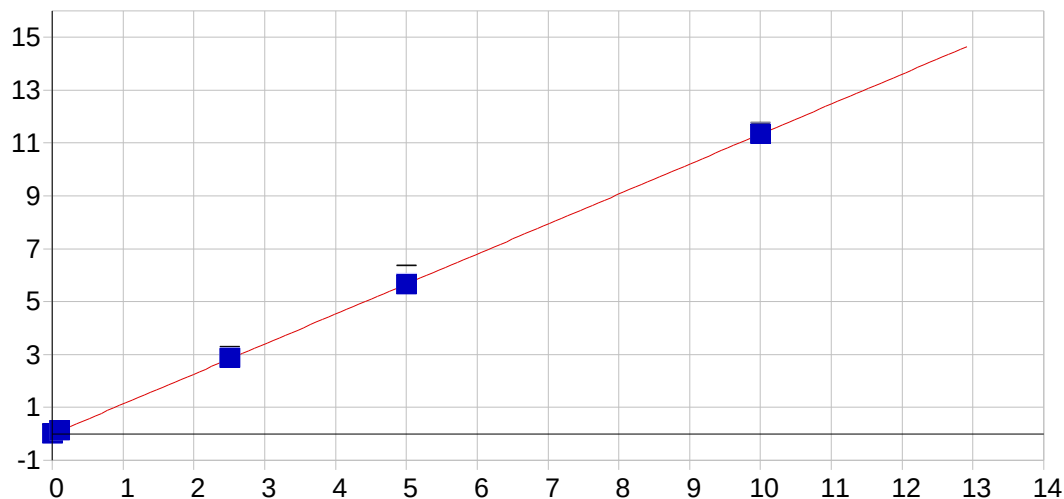


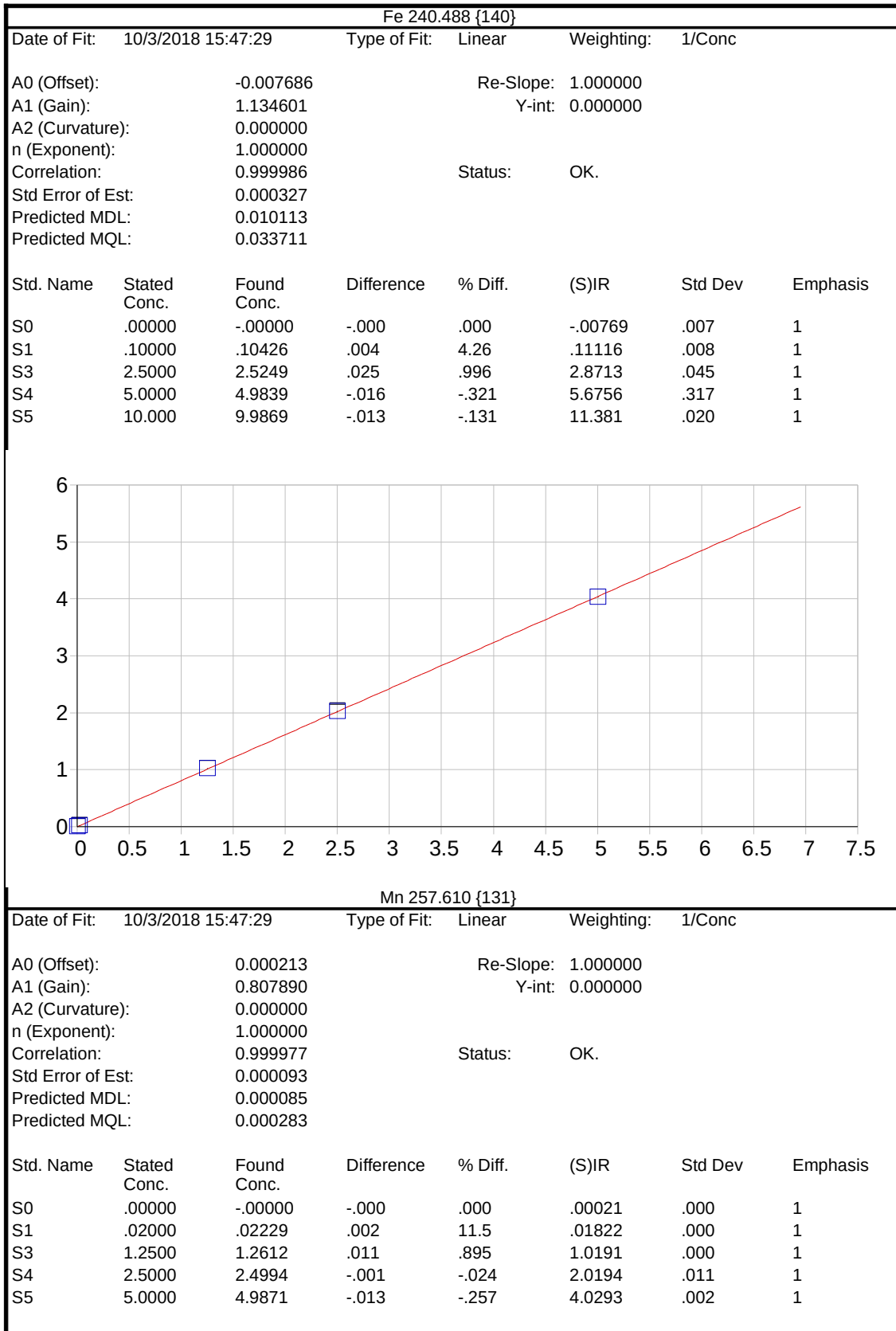
Cu 224.700 {450}

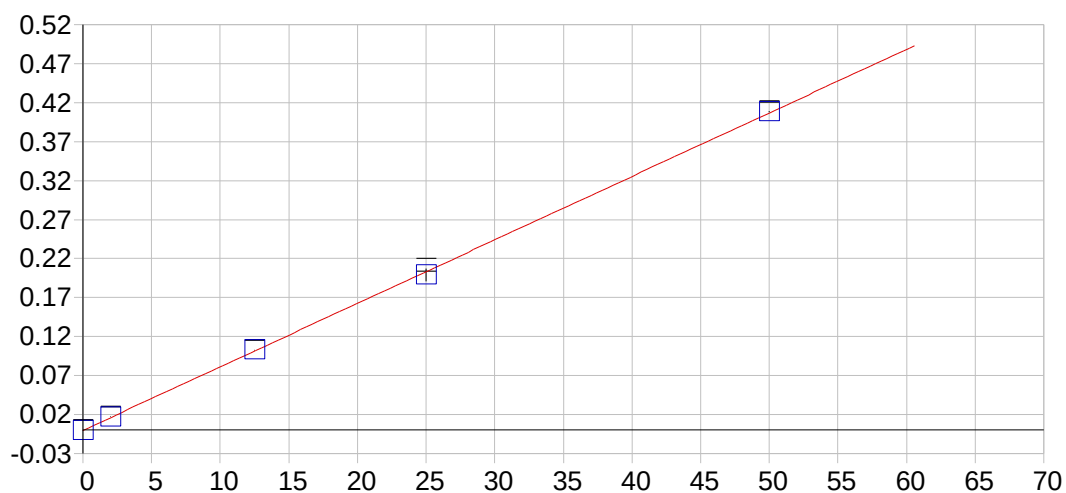
Date of Fit: 10/3/2018 15:47:29 Type of Fit: Full Fit Weighting: 1/Conc

A0 (Offset): 0.000855 Re-Slope: 1.000000  
A1 (Gain): 0.635795 Y-int: 0.000000  
A2 (Curvature): 0.000574  
n (Exponent): 0.990000  
Correlation: 0.999996 Status: Warning Positive Curvature  
Std Error of Est: 0.000037  
Predicted MDL: 0.000624  
Predicted MQL: 0.002079

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00085 | .000    | 1        |
| S1        | .02000       | .02000      | -.000      | -.009   | .01430 | .000    | 1        |
| S3        | .62500       | .62809      | .003       | .494    | .40934 | .000    | 1        |
| S4        | 1.2500       | 1.2453      | -.005      | -.376   | .80588 | .001    | 1        |
| S5        | 2.5000       | 2.5016      | .002       | .064    | 1.6086 | .000    | 1        |





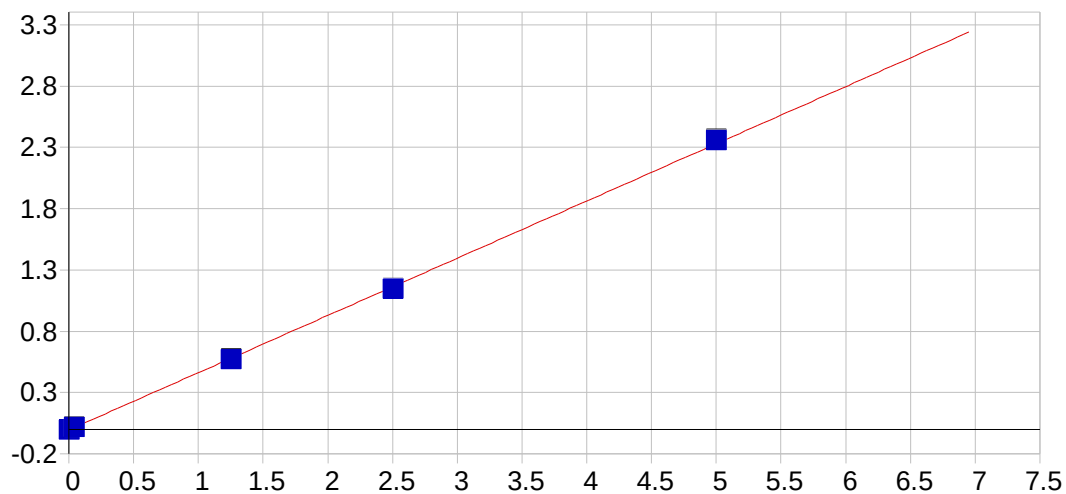


Mg 279.079 {121}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000250 Re-Slope: 1.000000  
 A1 (Gain): 0.008140 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999882 Status: OK.  
 Std Error of Est: 0.000068  
 Predicted MDL: 0.050683  
 Predicted MQL: 0.168943

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.1217      | .122       | 6.09    | .01702  | .000    | 1        |
| S0        | .00000       | -.00012     | -.000      | .000    | -.00025 | .000    | 1        |
| S3        | 12.500       | 12.672      | .172       | 1.38    | .10291  | .000    | 1        |
| S4        | 25.000       | 24.491      | -.509      | -2.04   | .19912  | .008    | 1        |
| S5        | 50.000       | 50.215      | .215       | .430    | .40852  | .001    | 1        |



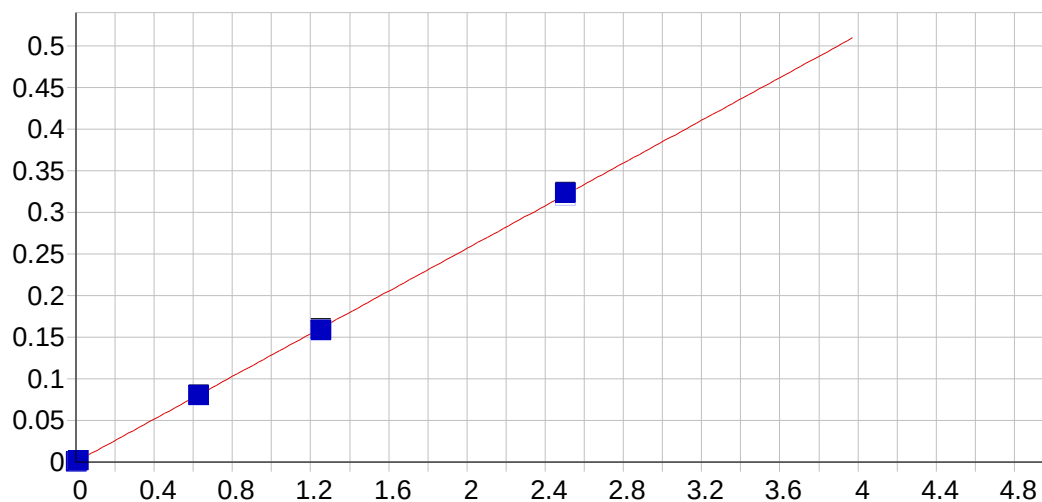
Ni 231.604 {445}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004957 Re-Slope: 1.000000  
 A1 (Gain): 0.466840 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999899 Status: OK.  
 Std Error of Est: 0.000161  
 Predicted MDL: 0.000574

Predicted MQL: 0.001912

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00496 | .000    | 1        |
| S1        | .04000       | .04307      | .003       | 7.67    | .01516  | .000    | 1        |
| S3        | 1.2500       | 1.2300      | -.020      | -1.60   | .56989  | .001    | 1        |
| S4        | 2.5000       | 2.4611      | -.039      | -1.56   | 1.1453  | .002    | 1        |
| S5        | 5.0000       | 5.0558      | .056       | 1.12    | 2.3579  | .008    | 1        |

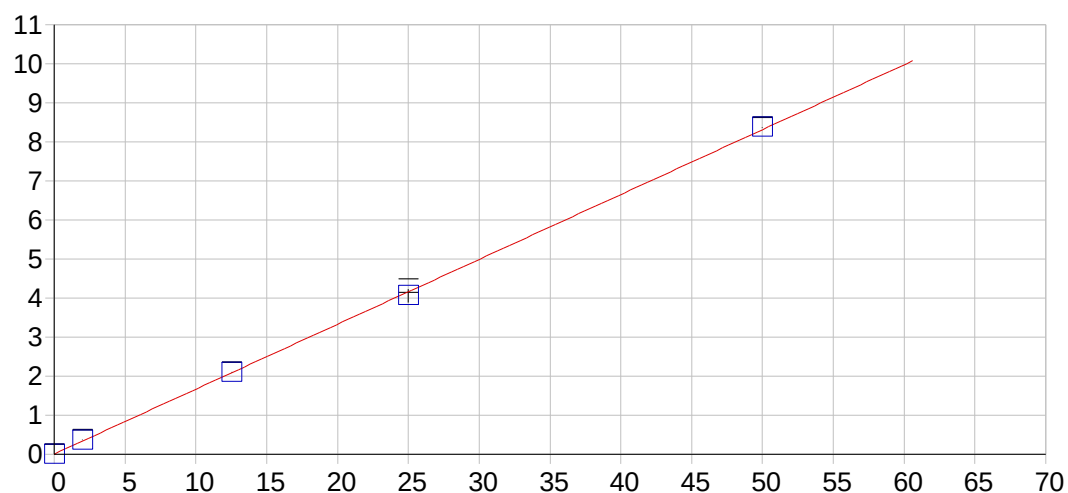


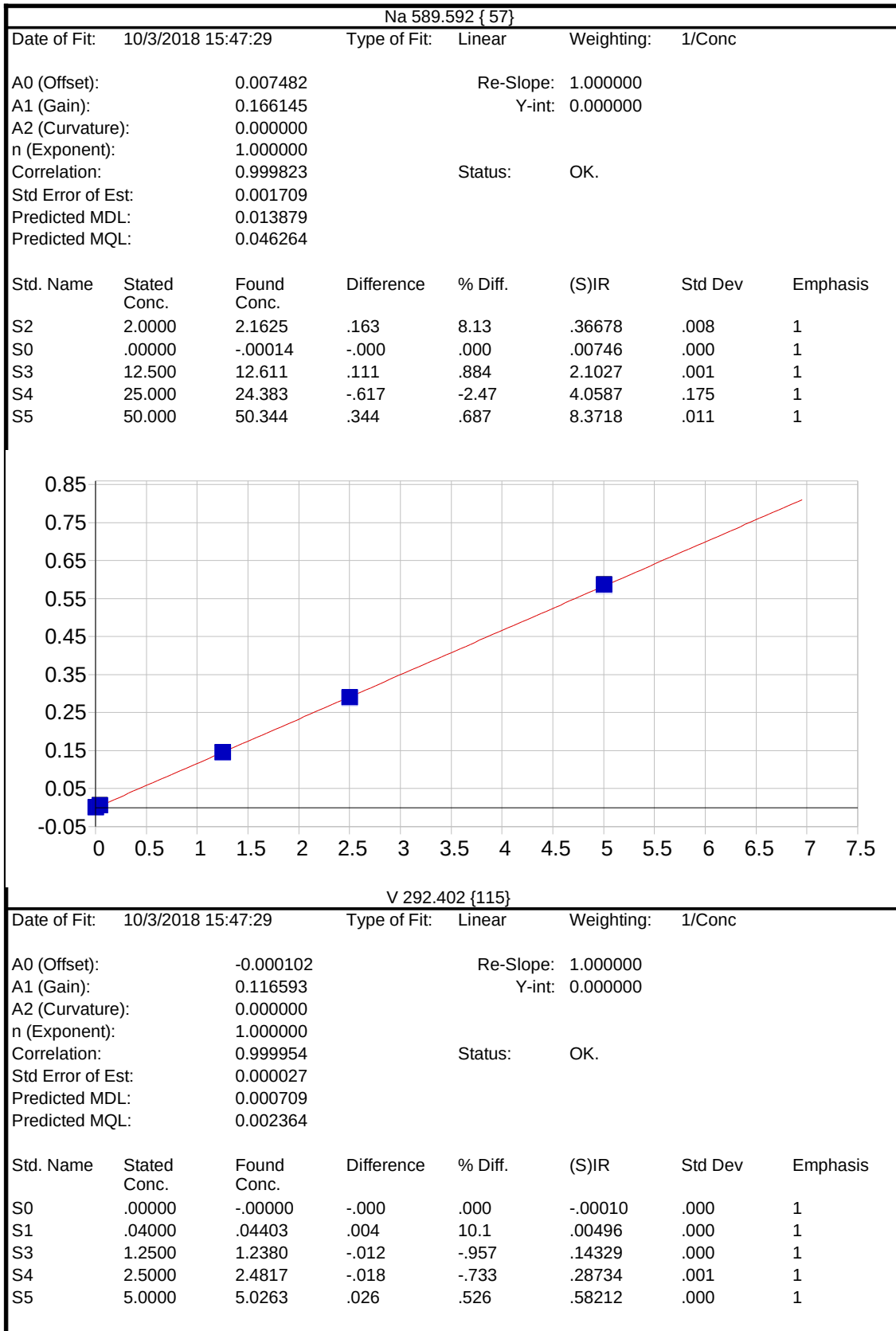
Ag 328.068 {103}

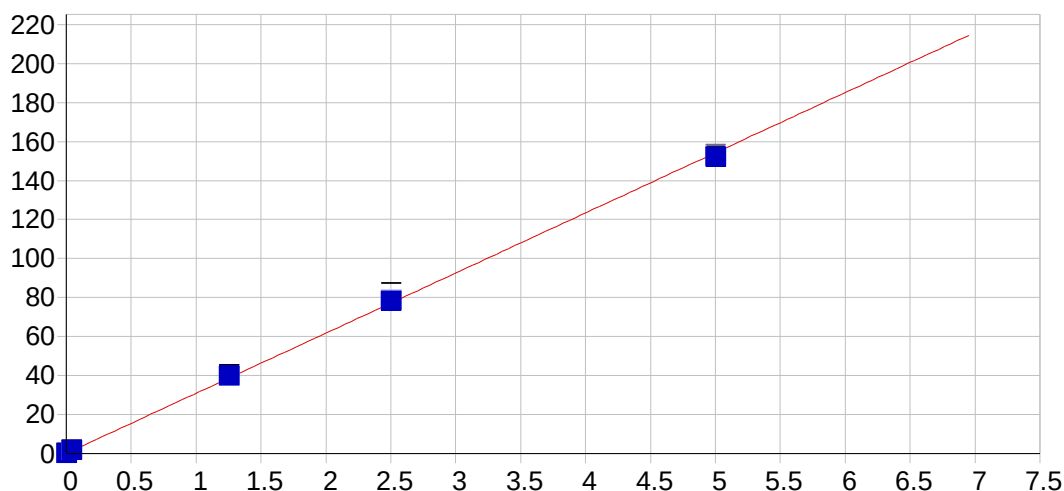
Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000265 Re-Slope: 1.000000  
A1 (Gain): 0.128206 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.999964 Status: OK.  
Std Error of Est: 0.000009  
Predicted MDL: 0.000842  
Predicted MQL: 0.002807

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00027 | .000    | 1        |
| S1        | .01000       | .00986      | -.000      | -1.44   | .00150 | .000    | 1        |
| S3        | .62500       | .62028      | -.005      | -.755   | .07888 | .000    | 1        |
| S4        | 1.2500       | 1.2368      | -.013      | -1.06   | .15701 | .001    | 1        |
| S5        | 2.5000       | 2.5181      | .018       | .723    | .31946 | .001    | 1        |





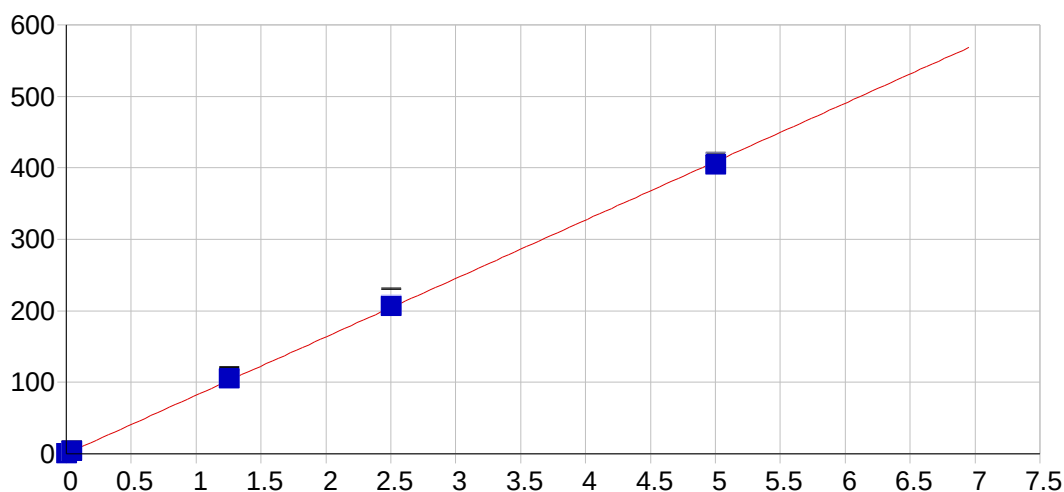


Zn 206.200 {163}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.079549 Re-Slope: 1.000000  
 A1 (Gain): 30.833786 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999799 Status: OK.  
 Std Error of Est: 0.015046  
 Predicted MDL: 0.000495  
 Predicted MQL: 0.001649

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .07932 | .021    | 1        |
| S1        | .04000       | .04651      | .007       | 16.3    | 1.5218 | .003    | 1        |
| S3        | 1.2500       | 1.2832      | .033       | 2.66    | 39.879 | .643    | 1        |
| S4        | 2.5000       | 2.5354      | .035       | 1.42    | 78.722 | 3.74    | 1        |
| S5        | 5.0000       | 4.9249      | -.075      | -1.50   | 152.86 | .279    | 1        |



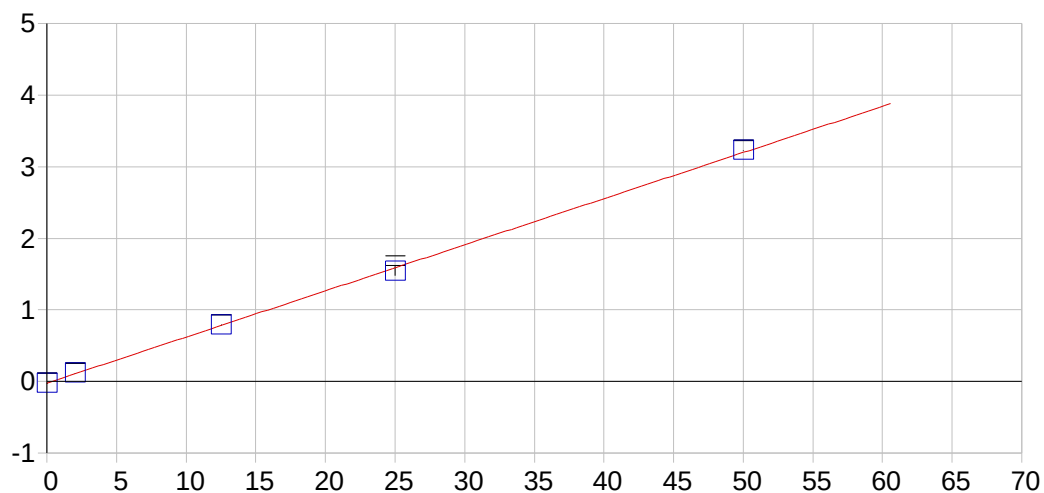
Zn 213.856 {458}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.100577 Re-Slope: 1.000000  
 A1 (Gain): 81.722862 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999873 Status: OK.  
 Std Error of Est: 0.031702  
 Predicted MDL: 0.000100

Predicted MQL: 0.000334

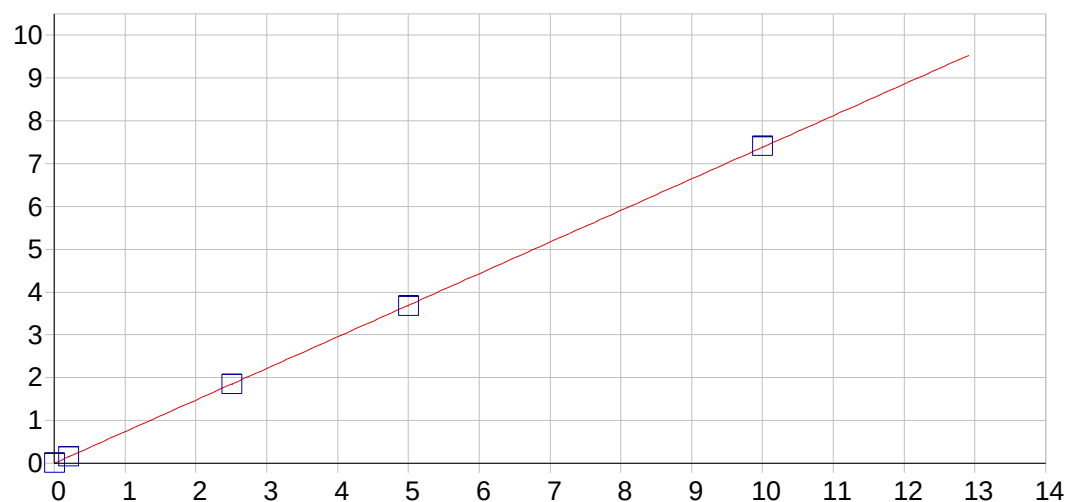
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .10005 | .002    | 1        |
| S1        | .04000       | .04559      | .006       | 14.0    | 3.8480 | .027    | 1        |
| S3        | 1.2500       | 1.2773      | .027       | 2.19    | 105.10 | 2.36    | 1        |
| S4        | 2.5000       | 2.5240      | .024       | .961    | 207.61 | 9.74    | 1        |
| S5        | 5.0000       | 4.9431      | -.057      | -1.14   | 406.53 | 1.22    | 1        |



Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.023718 Re-Slope: 1.000000  
A1 (Gain): 0.064423 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.999824 Status: OK.  
Std Error of Est: 0.000660  
Predicted MDL: 0.044086  
Predicted MQL: 0.146953

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.1323      | .132       | 6.62    | .11365  | .003    | 1        |
| S0        | .00000       | -.00011     | -.000      | .000    | -.02373 | .001    | 1        |
| S3        | 12.500       | 12.595      | .095       | .760    | .78768  | .001    | 1        |
| S4        | 25.000       | 24.327      | -.673      | -2.69   | 1.5435  | .068    | 1        |
| S5        | 50.000       | 50.446      | .446       | .891    | 3.2261  | .007    | 1        |



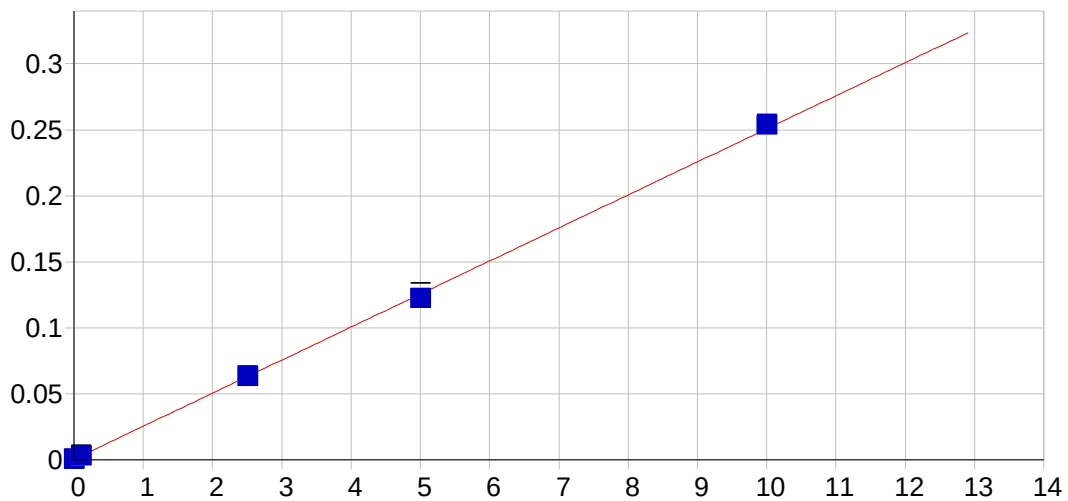


## Mo 202.030 {467}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000522 Re-Slope: 1.000000  
 A1 (Gain): 0.738281 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999991 Status: OK.  
 Std Error of Est: 0.000240  
 Predicted MDL: 0.000370  
 Predicted MQL: 0.001233

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00052 | .000    | 1        |
| S1        | .20000       | .20454      | .005       | 2.27    | .15153 | .001    | 1        |
| S3        | 2.5000       | 2.5010      | .001       | .039    | 1.8469 | .000    | 1        |
| S4        | 5.0000       | 4.9715      | -.028      | -.569   | 3.6709 | .003    | 1        |
| S5        | 10.000       | 10.023      | .023       | .230    | 7.4003 | .007    | 1        |

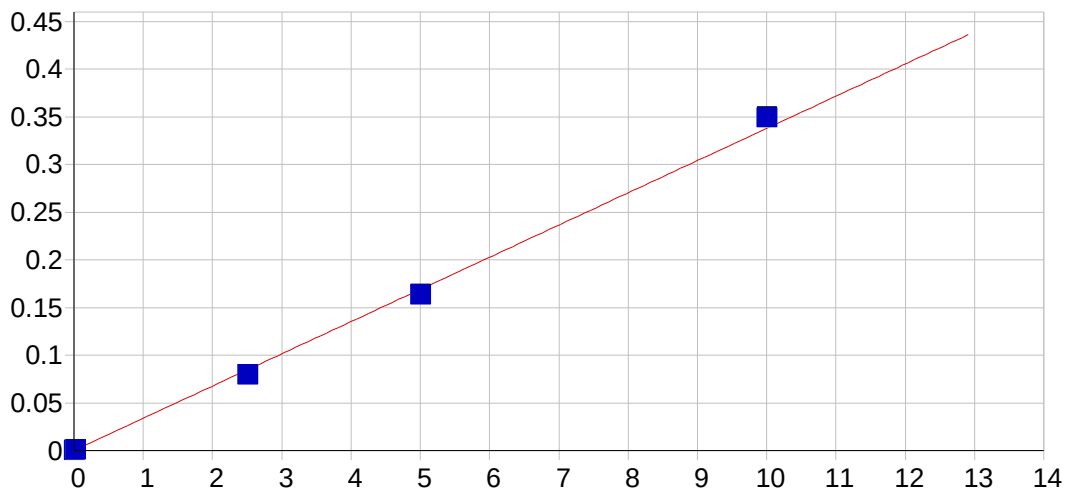


## B 249.678 {135}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000436 Re-Slope: 1.000000  
 A1 (Gain): 0.025032 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999859 Status: OK.  
 Std Error of Est: 0.000023  
 Predicted MDL: 0.012080  
 Predicted MQL: 0.040268

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00044 | .000    | 1        |
| S1        | .10000       | .10188      | .002       | 1.88    | .00298 | .000    | 1        |
| S3        | 2.5000       | 2.5061      | .006       | .245    | .06302 | .000    | 1        |
| S4        | 5.0000       | 4.8695      | -.130      | -2.61   | .12204 | .004    | 1        |
| S5        | 10.000       | 10.122      | .122       | 1.22    | .25324 | .000    | 1        |

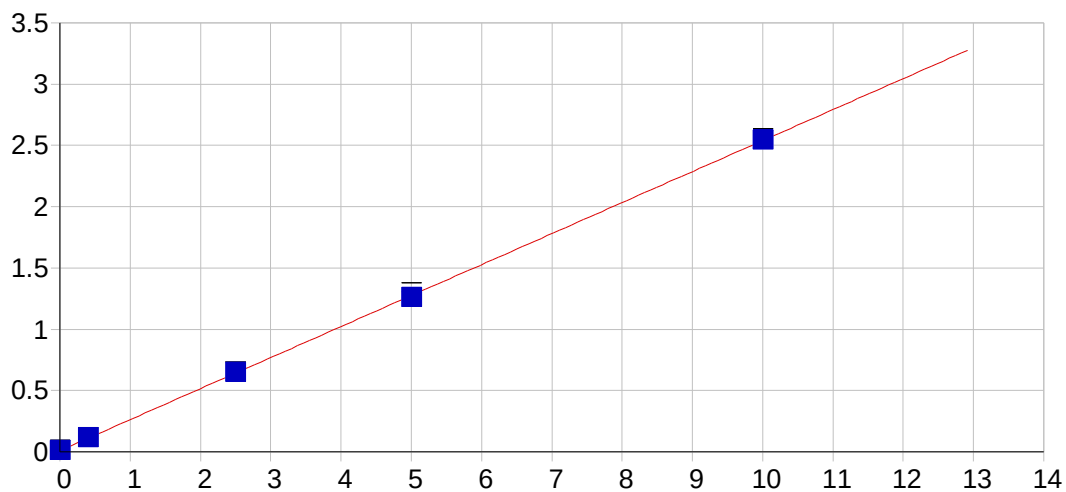


Si 182.034 {485}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000130 Re-Slope: 1.000000  
 A1 (Gain): 0.033780 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999232 Status: OK.  
 Std Error of Est: 0.000032  
 Predicted MDL: 0.003988  
 Predicted MQL: 0.013292

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00013 | .000    | 1        |
| S1        | .02000       | .01884      | -.001      | -5.82   | .00075 | .000    | 1        |
| S3        | 2.5000       | 2.3393      | -.161      | -6.43   | .07906 | .000    | 1        |
| S4        | 5.0000       | 4.8324      | -.168      | -3.35   | .16318 | .000    | 1        |
| S5        | 10.000       | 10.329      | .329       | 3.29    | .34868 | .001    | 1        |



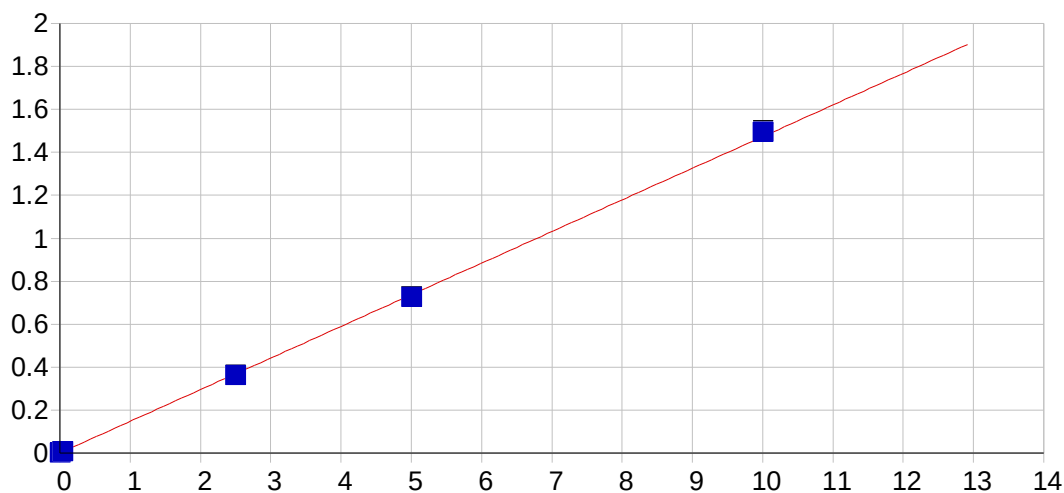
Si 288.158 {117}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.010018 Re-Slope: 1.000000  
 A1 (Gain): 0.252945 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999969 Status: OK.  
 Std Error of Est: 0.000219  
 Predicted MDL: 0.003820

Predicted MQL: 0.012734

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .01002 | .000    | 1        |
| S1        | .40000       | .40611      | .006       | 1.53    | .11266 | .001    | 1        |
| S3        | 2.5000       | 2.5249      | .025       | .995    | .64834 | .003    | 1        |
| S4        | 5.0000       | 4.9408      | -.059      | -1.18   | 1.2591 | .036    | 1        |
| S5        | 10.000       | 10.028      | .028       | .283    | 2.5453 | .007    | 1        |

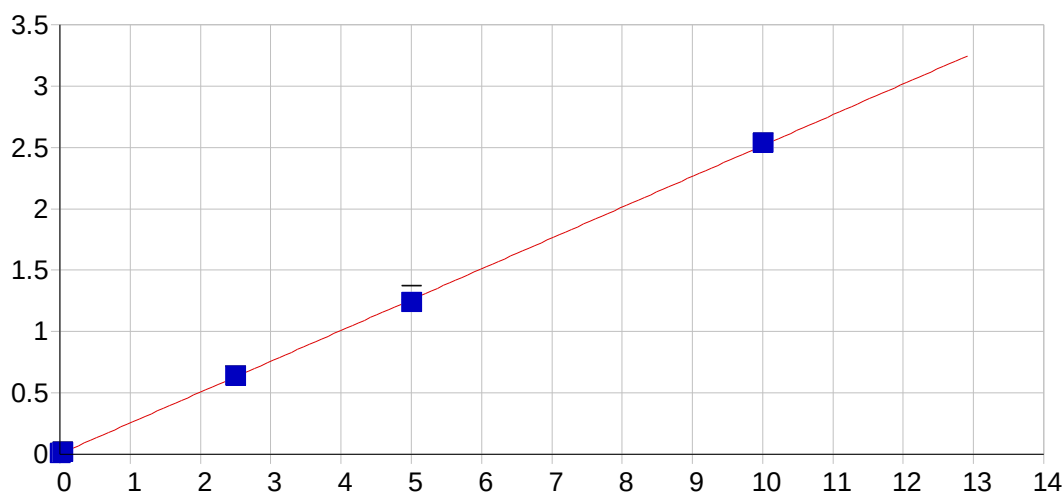


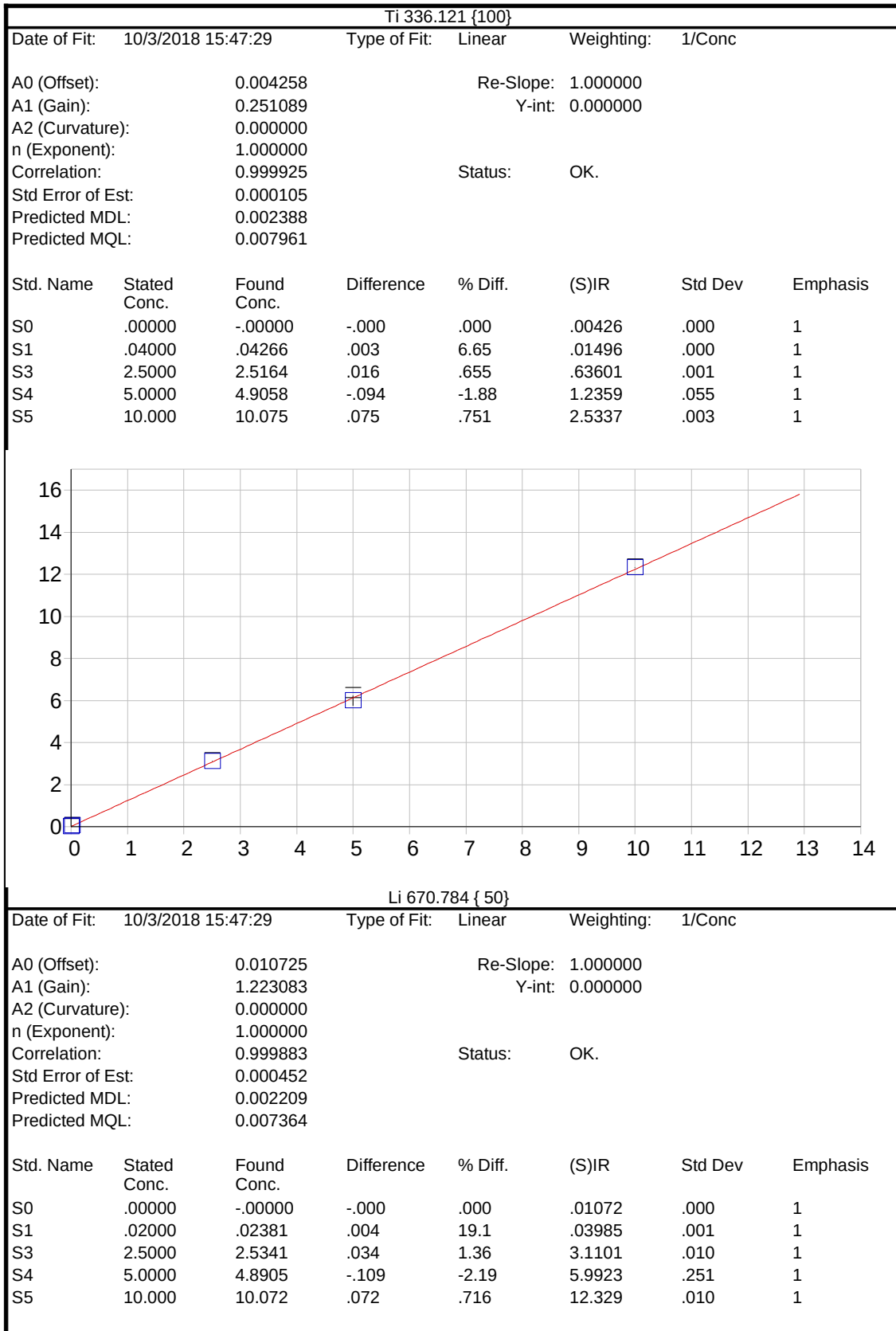
Sn 189.989 {477}

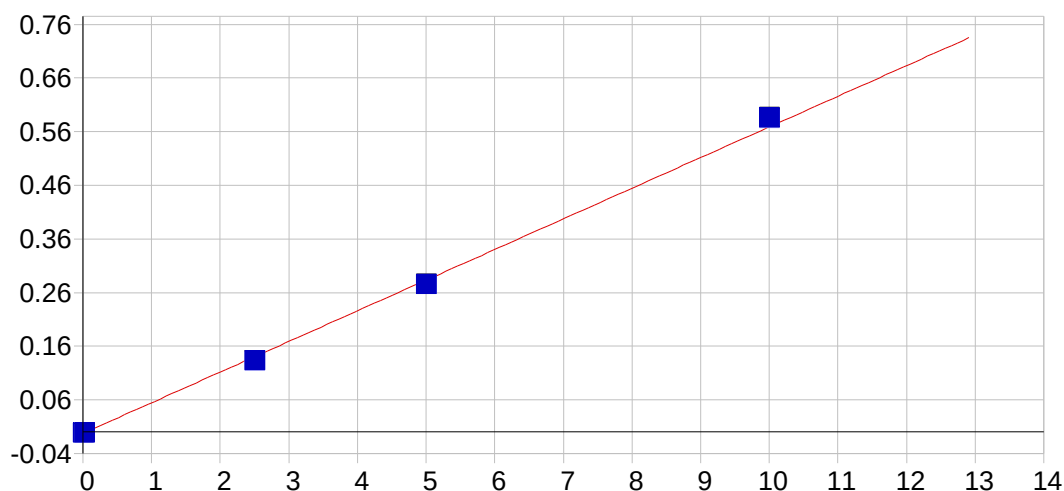
Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000584 Re-Slope: 1.000000  
A1 (Gain): 0.147261 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.999886 Status: OK.  
Std Error of Est: 0.000076  
Predicted MDL: 0.000944  
Predicted MQL: 0.003147

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00058 | .000    | 1        |
| S1        | .04000       | .04163      | .002       | 4.08    | .00671 | .000    | 1        |
| S3        | 2.5000       | 2.4521      | -.048      | -1.91   | .36175 | .000    | 1        |
| S4        | 5.0000       | 4.9175      | -.083      | -1.65   | .72487 | .002    | 1        |
| S5        | 10.000       | 10.129      | .129       | 1.29    | 1.4924 | .006    | 1        |





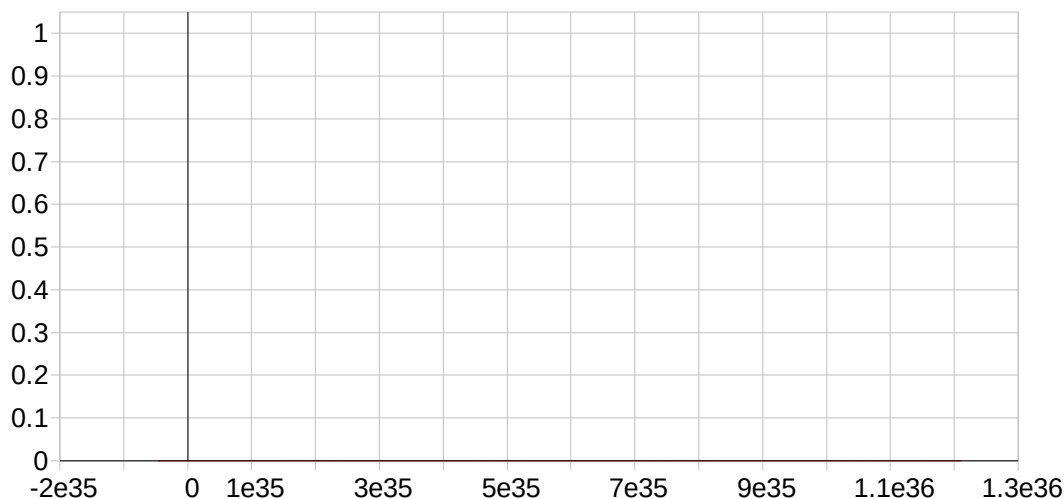


P 177.495 {490}

Date of Fit: 10/3/2018 15:47:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002364 Re-Slope: 1.000000  
 A1 (Gain): 0.057116 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999399 Status: OK.  
 Std Error of Est: 0.000048  
 Predicted MDL: 0.002318  
 Predicted MQL: 0.007728

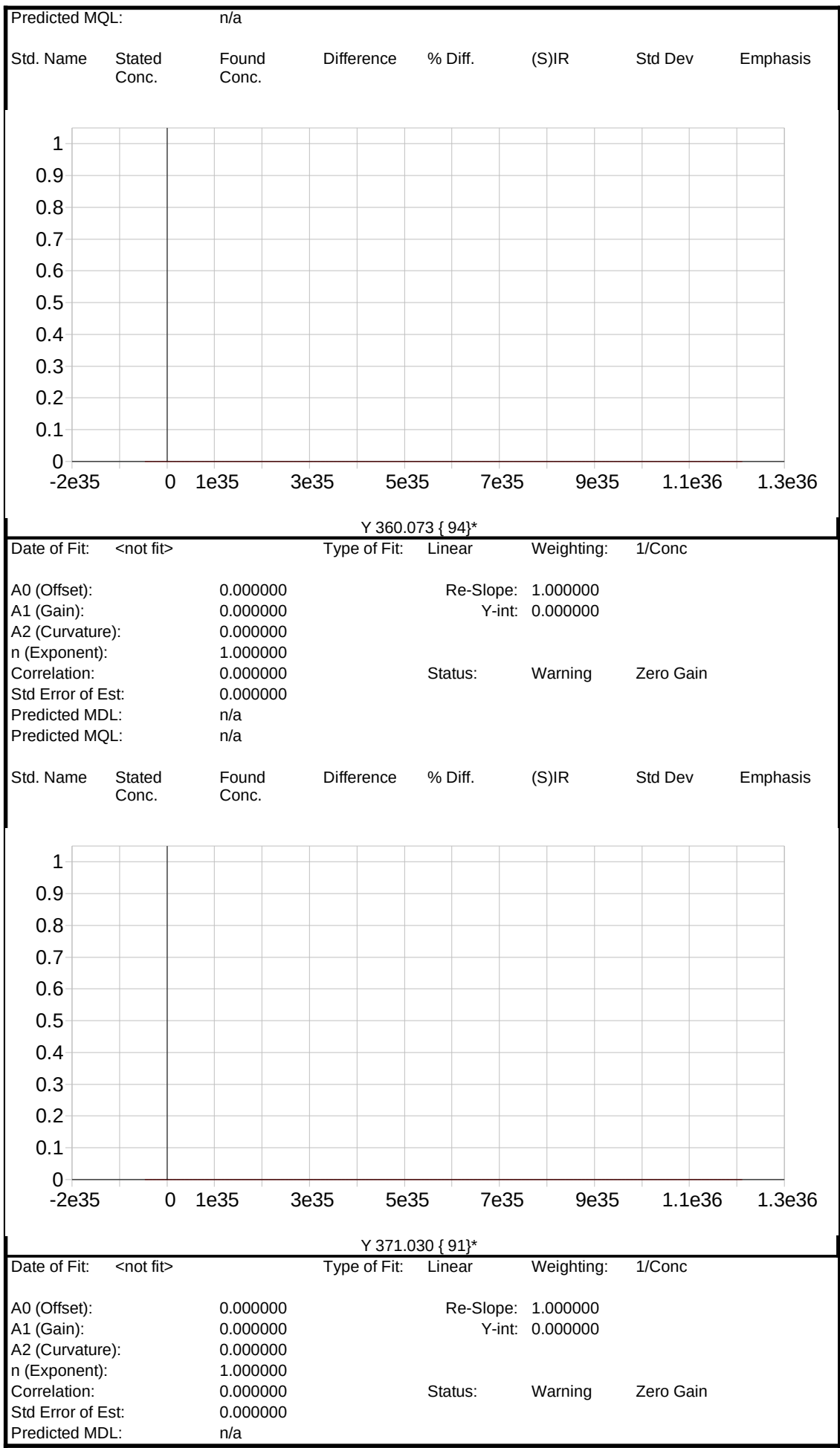
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | -.00236 | .000    | 1        |
| S1        | .02000       | .01437      | -.006      | -28.1   | -.00155 | .000    | 1        |
| S3        | 2.5000       | 2.3629      | -.137      | -5.49   | .13239  | .000    | 1        |
| S4        | 5.0000       | 4.8600      | -.140      | -2.80   | .27480  | .000    | 1        |
| S5        | 10.000       | 10.283      | .283       | 2.83    | .58412  | .001    | 1        |

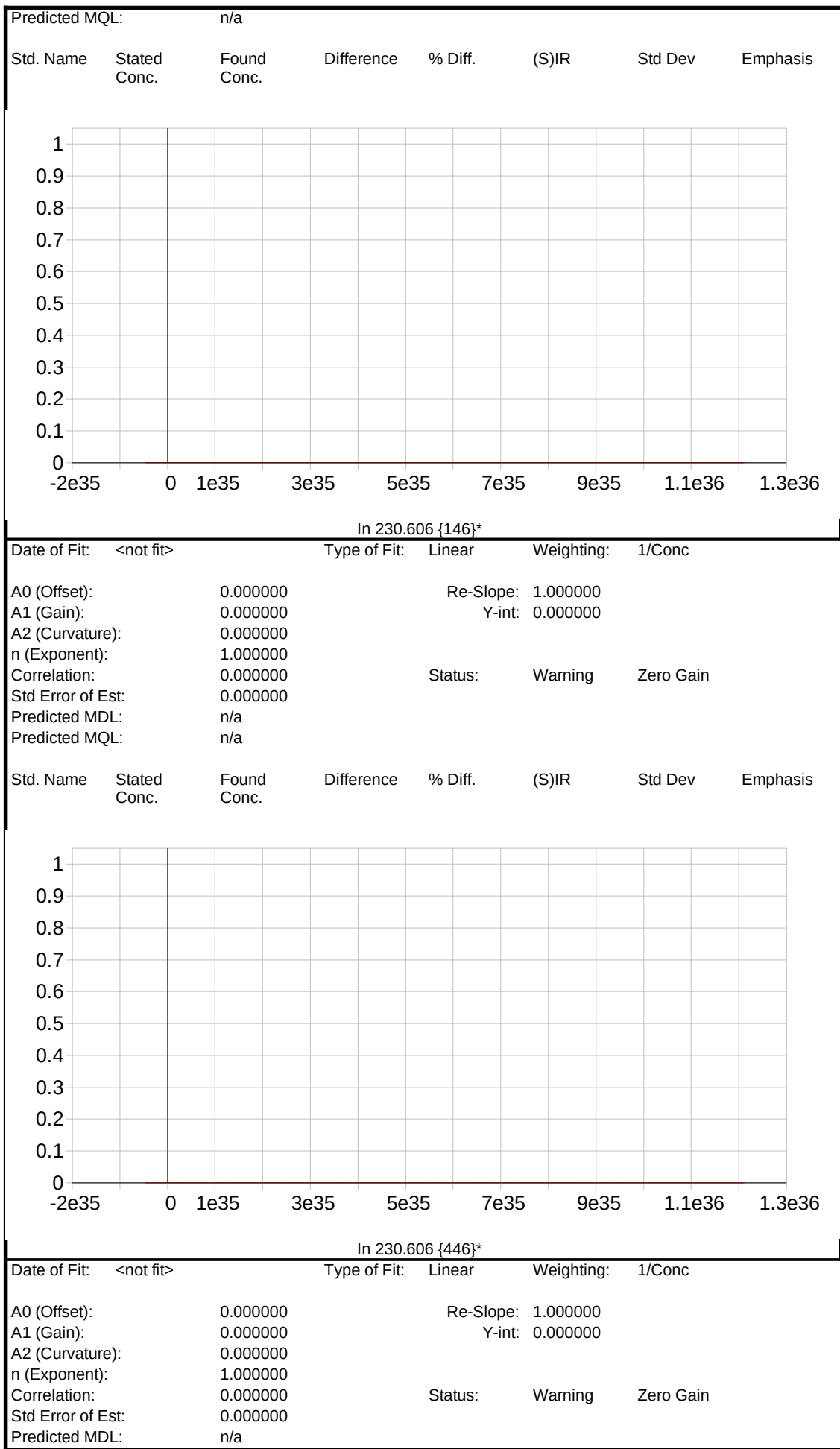


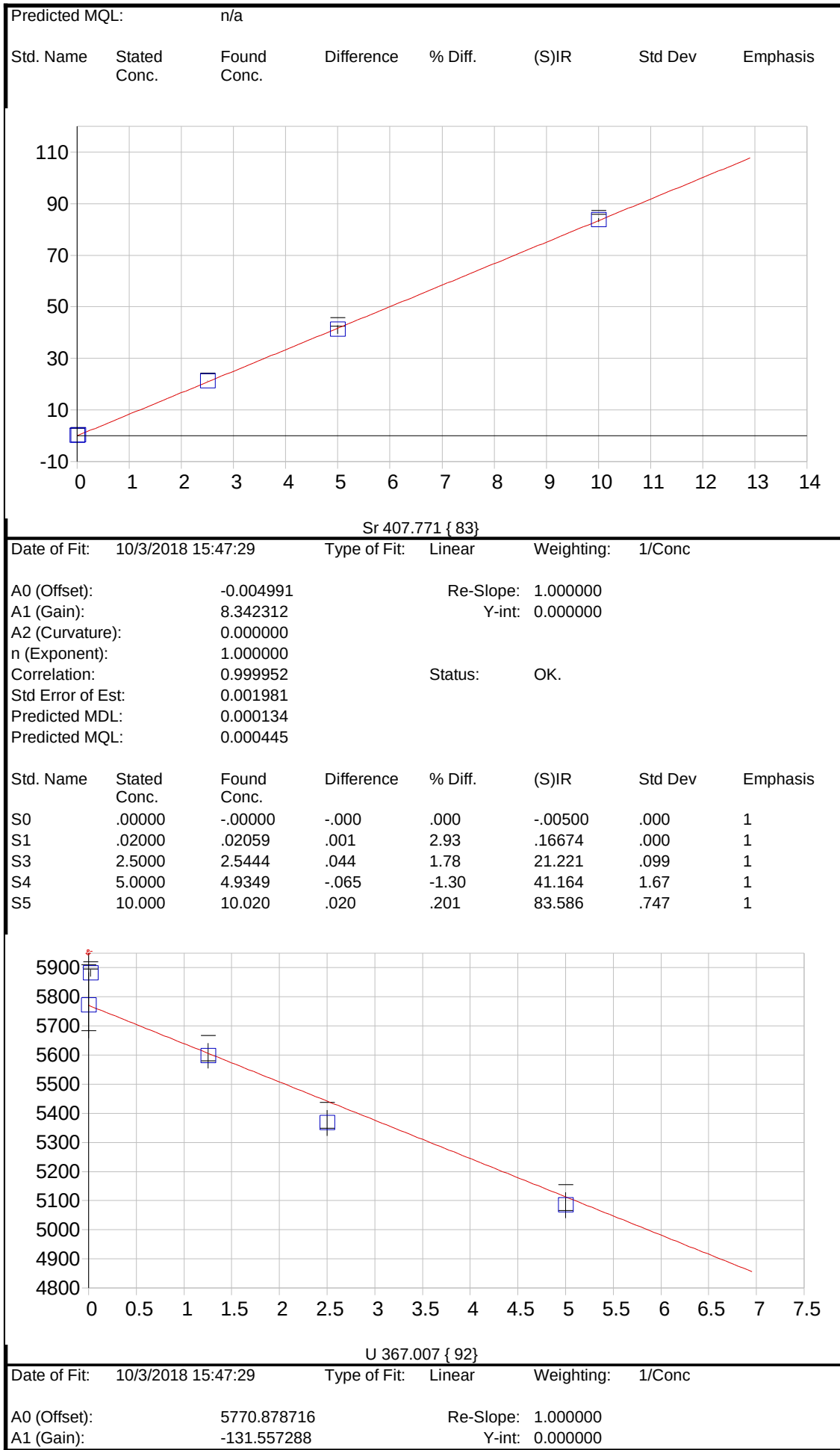
Y 224.306 {450}\*

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

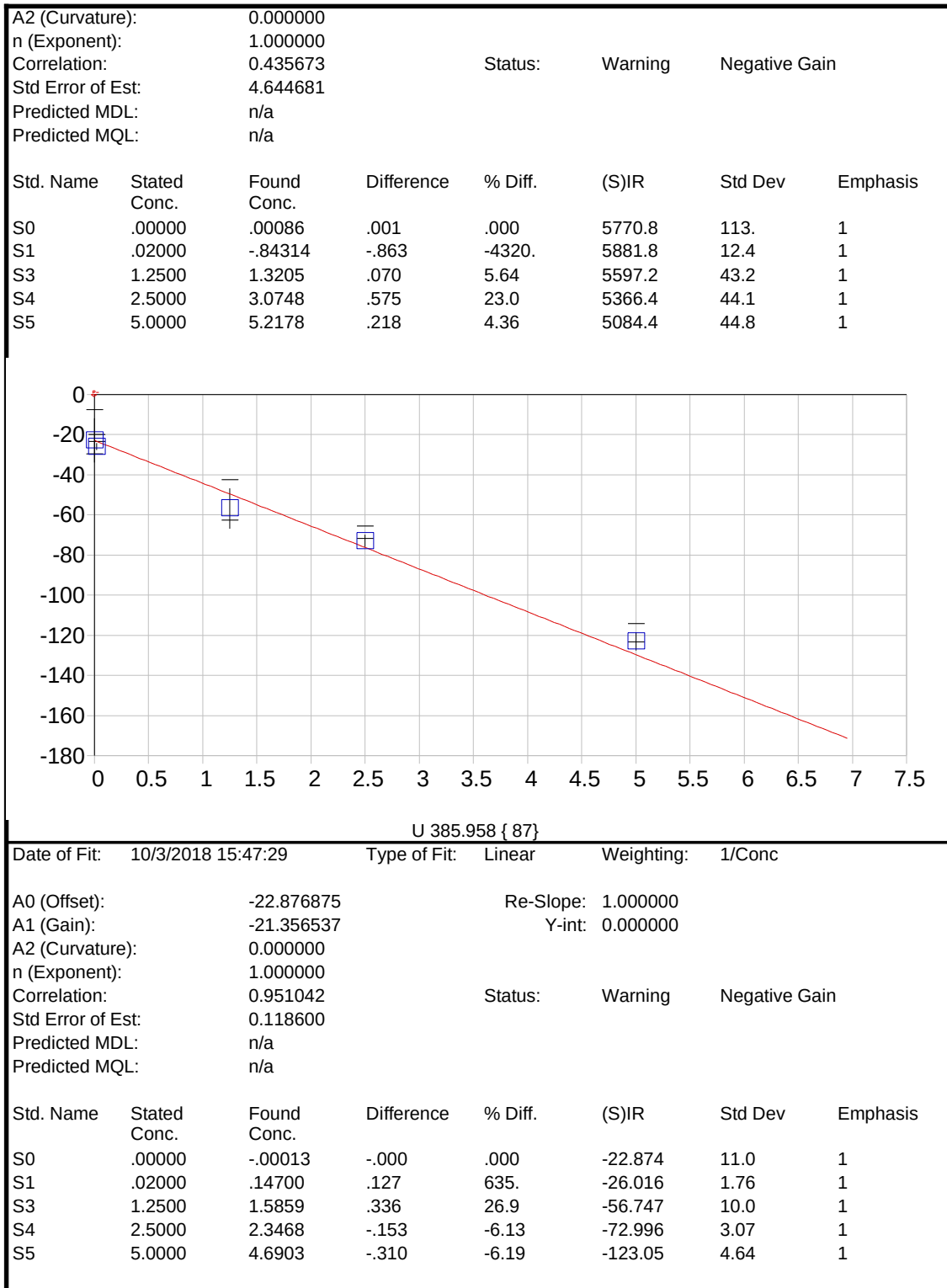
A0 (Offset): 0.000000 Re-Slope: 1.000000  
 A1 (Gain): 0.000000 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.000000 Status: Warning Zero Gain  
 Std Error of Est: 0.000000  
 Predicted MDL: n/a











Sample Name: S0      Acquired: 10/3/2018 12:28:13      Type: Cal  
Method: P4-ICP2(v2474)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S  |
| Avg    | .00004 | .00003 | .00292 | .00002 | .00083 | -.00011 | .07566 |
| Stddev | .00009 | .00001 | .00027 | .00037 | .00006 | .00004  | .00103 |
| %RSD   | 236.48 | 55.870 | 9.2964 | 1968.1 | 6.9496 | 33.574  | 1.3598 |

|    |         |        |        |         |        |         |        |
|----|---------|--------|--------|---------|--------|---------|--------|
| #1 | -.00002 | .00004 | .00273 | .00028  | .00087 | -.00008 | .07494 |
| #2 | .00010  | .00002 | .00311 | -.00024 | .00079 | -.00013 | .07639 |

|        |         |         |         |        |         |        |         |
|--------|---------|---------|---------|--------|---------|--------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404  |
| Units  | Cts/S   | Cts/S   | Cts/S   | Cts/S  | Cts/S   | Cts/S  | Cts/S   |
| Avg    | -.00002 | -.00085 | -.00013 | .00003 | -.00043 | .00085 | -.00769 |
| Stddev | .00005  | .00006  | .00038  | .00004 | .00012  | .00040 | .00721  |
| %RSD   | 272.38  | 7.4747  | 304.73  | 125.92 | 28.310  | 47.090 | 93.757  |

|    |         |         |         |        |         |        |         |
|----|---------|---------|---------|--------|---------|--------|---------|
| #1 | -.00005 | -.00089 | .00015  | .00000 | -.00052 | .00057 | -.00259 |
| #2 | .00002  | -.00080 | -.00040 | .00006 | -.00034 | .00114 | -.01279 |

|        |        |         |         |        |        |         |        |
|--------|--------|---------|---------|--------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138 |
| Units  | Cts/S  | Cts/S   | Cts/S   | Cts/S  | Cts/S  | Cts/S   | Cts/S  |
| Avg    | .00021 | -.00025 | -.00496 | .00027 | .00746 | -.00010 | .10005 |
| Stddev | .00000 | .00027  | .00034  | .00005 | .00046 | .00004  | .00177 |
| %RSD   | 1.6448 | 106.00  | 6.8718  | 19.903 | 6.1481 | 36.986  | 1.7696 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | .00021 | -.00044 | -.00520 | .00023 | .00778 | -.00013 | .10131 |
| #2 | .00021 | -.00006 | -.00472 | .00030 | .00713 | -.00008 | .09880 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664  | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | Cts/S   | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | -.02373 | .00052 | .00044 | .00013 | .01002 | .00058 | .00426 |
| Stddev | .00067  | .00002 | .00026 | .00012 | .00031 | .00001 | .00007 |
| %RSD   | 2.8055  | 3.3147 | 59.875 | 93.458 | 3.1371 | 2.0379 | 1.7325 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.02325 | .00053 | .00025 | .00004 | .00979 | .00058 | .00431 |
| #2 | -.02420 | .00051 | .00062 | .00022 | .01024 | .00059 | .00420 |

|        |        |        |         |        |         |
|--------|--------|--------|---------|--------|---------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859  |
| Units  | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S   |
| Avg    | .01072 | -.0024 | -.00500 | 5770.8 | -22.874 |
| Stddev | .00045 | .0001  | .00049  | 112.8  | 10.953  |
| %RSD   | 4.1854 | 6.212  | 9.7339  | 1.9546 | 47.886  |

|    |        |        |         |        |         |
|----|--------|--------|---------|--------|---------|
| #1 | .01040 | -.0025 | -.00465 | 5691.0 | -15.129 |
| #2 | .01104 | -.0023 | -.00534 | 5850.5 | -30.619 |

Sample Name: S0      Acquired: 10/3/2018 12:28:13      Type: Cal  
Method: P4-ICP2(v2474)      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       | 3095.9 | 68244. | 5327.3 | 116.94 | 4410.4 |
| Stddev    | 14.0   | 280.   | 28.9   | .47    | 19.1   |
| %RSD      | .45358 | .40987 | .54198 | .40495 | .43214 |
| #1        | 3086.0 | 68046. | 5306.8 | 116.61 | 4396.9 |
| #2        | 3105.8 | 68442. | 5347.7 | 117.28 | 4423.9 |

Sample Name: S1      Acquired: 10/3/2018 12:32:15      Type: Cal  
Method: P4-ICP2(v2474)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00098 | .00492 | .00604 | .00136 | .00990 | .00054 | .48498 |
| Stddev | .00017 | .00007 | .00002 | .00002 | .00008 | .00002 | .00064 |
| %RSD   | 17.648 | 1.4332 | .29690 | 1.5114 | .79356 | 3.1711 | .13254 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00086 | .00497 | .00603 | .00138 | .00995 | .00053 | .48453 |
| #2 | .00111 | .00487 | .00605 | .00135 | .00984 | .00055 | .48544 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00360 | .01624 | .00125 | .03213 | .01430 | .11116 | .01822 |
| Stddev | .00009 | .00003 | .00006 | .00023 | .00029 | .00806 | .00025 |
| %RSD   | 2.4282 | .18983 | 4.7762 | .71168 | 2.0029 | 7.2537 | 1.3768 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00353 | .01627 | .00130 | .03196 | .01410 | .10546 | .01805 |
| #2 | .00366 | .01622 | .00121 | .03229 | .01450 | .11686 | .01840 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | V_2924 | Zn2138 | Mo2020 | B_2496 | S_1820 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .01516 | .00150 | .00496 | 3.8480 | .15153 | .00298 | .00075 |
| Stddev | .00036 | .00007 | .00001 | .0269  | .00110 | .00035 | .00003 |
| %RSD   | 2.3842 | 4.7829 | .11394 | .70017 | .72830 | 11.778 | 3.8340 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01490 | .00145 | .00496 | 3.8290 | .15075 | .00322 | .00077 |
| #2 | .01542 | .00155 | .00496 | 3.8671 | .15231 | .00273 | .00073 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .11266 | .00671 | .01496 | .03985 | -.0015 | .16674 | 5881.8 |
| Stddev | .00093 | .00023 | .00004 | .00145 | .0001  | .00029 | 12.4   |
| %RSD   | .82521 | 3.4373 | .25923 | 3.6301 | 5.435  | .17163 | .21153 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .11200 | .00655 | .01494 | .04087 | -.0016 | .16654 | 5890.6 |
| #2 | .11331 | .00688 | .01499 | .03883 | -.0015 | .16694 | 5873.0 |

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -26.016 |
| Stddev | 1.755   |
| %RSD   | 6.7462  |

|    |         |
|----|---------|
| #1 | -27.257 |
| #2 | -24.775 |

Sample Name: S1      Acquired: 10/3/2018 12:32:15      Type: Cal  
Method: P4-ICP2(v2474)      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       | 3077.4 | 68248. | 5287.2 | 114.20 | 4382.4 |
| Stddev    | 3.3    | 148.   | 10.8   | .37    | 8.3    |
| %RSD      | .10647 | .21727 | .20389 | .32084 | .18982 |
| #1        | 3075.1 | 68353. | 5279.6 | 114.46 | 4376.5 |
| #2        | 3079.7 | 68143. | 5294.8 | 113.94 | 4388.3 |

Sample Name: S2      Acquired: 10/3/2018 12:36:18      Type: Cal  
Method: P4-ICP2(v2474)      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    | .09235 | .01702 | .36678 | .11365 |
| Stddev | .00161 | .00020 | .00772 | .00284 |
| %RSD   | 1.7441 | 1.1695 | 2.1053 | 2.4997 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .09349 | .01716 | .37224 | .11566 |
| #2 | .09121 | .01688 | .36132 | .11164 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 5249.3 |
| Stddev    | 88.8   |
| %RSD      | 1.6909 |

|    |        |
|----|--------|
| #1 | 5186.5 |
| #2 | 5312.0 |

Sample Name: S3      Acquired: 10/3/2018 12:40:14      Type: Cal  
Method: P4-ICP2(v2474)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .13894 | .28751 | .63436 | .14252 | .42479 | .02672 | 19.464 |
| Stddev | .00023 | .00065 | .00122 | .00098 | .00094 | .00005 | .004   |
| %RSD   | .16482 | .22762 | .19179 | .68813 | .22052 | .17401 | .02150 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .13911 | .28797 | .63522 | .14321 | .42545 | .02669 | 19.461 |
| #2 | .13878 | .28705 | .63350 | .14182 | .42412 | .02675 | 19.466 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .07372 | 3.5974 | .54344 | .05766 | 1.2330 | .40934 | 2.8713 |
| Stddev | .00014 | .0060  | .00079 | .00039 | .0021  | .00043 | .0450  |
| %RSD   | .19283 | .16591 | .14481 | .68076 | .17283 | .10536 | 1.5679 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .07382 | 3.6016 | .54400 | .05738 | 1.2345 | .40964 | 2.8395 |
| #2 | .07362 | 3.5932 | .54289 | .05793 | 1.2315 | .40903 | 2.9032 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 1.0191 | .10291 | .56989 | .07888 | 2.1027 | .14329 | 105.10 |
| Stddev | .0005  | .00046 | .00087 | .00016 | .0012  | .00031 | 2.36   |
| %RSD   | .04731 | .44558 | .15281 | .20699 | .05789 | .21700 | 2.2487 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0188 | .10258 | .56927 | .07876 | 2.1018 | .14351 | 103.43 |
| #2 | 1.0195 | .10323 | .57051 | .07900 | 2.1035 | .14307 | 106.78 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .78768 | 1.8469 | .06302 | .07906 | .64834 | .36175 | .63601 |
| Stddev | .00062 | .0000  | .00020 | .00012 | .00326 | .00001 | .00089 |
| %RSD   | .07862 | .00242 | .31851 | .14840 | .50352 | .00390 | .13964 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .78725 | 1.8470 | .06288 | .07897 | .64603 | .36176 | .63538 |
| #2 | .78812 | 1.8469 | .06316 | .07914 | .65065 | .36174 | .63664 |

|        |        |        |        |        |         |
|--------|--------|--------|--------|--------|---------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |
| Avg    | 3.1101 | .1324  | 21.221 | 5597.2 | -56.747 |
| Stddev | .0100  | .0005  | .099   | 43.2   | 10.021  |
| %RSD   | .32268 | .3757  | .46606 | .77266 | 17.660  |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | 3.1030 | .1327 | 21.151 | 5627.7 | -63.833 |
| #2 | 3.1172 | .1320 | 21.291 | 5566.6 | -49.661 |

Sample Name: S3      Acquired: 10/3/2018 12:40:14      Type: Cal  
Method: P4-ICP2(v2474)      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       | 3014.1 | 66279. | 5291.0 | 111.89 | 4156.5 |
| Stddev    | 11.5   | 41.    | 2.6    | 2.14   | 17.1   |
| %RSD      | .38205 | .06245 | .04836 | 1.9097 | .41178 |
| #1        | 3005.9 | 66249. | 5292.9 | 113.40 | 4144.4 |
| #2        | 3022.2 | 66308. | 5289.2 | 110.37 | 4168.6 |



Sample Name: S4      Acquired: 10/3/2018 12:44:00      Type: Cal  
Method: P4-ICP2(v2474)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .27785 | .57558 | 1.2683 | .28491 | .84522 | .05338 | 37.692 |
| Stddev | .00057 | .00133 | .0013  | .00044 | .00164 | .00075 | 1.668  |
| %RSD   | .20354 | .23025 | .09942 | .15600 | .19416 | 1.4047 | 4.4247 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .27825 | .57464 | 1.2674 | .28522 | .84638 | .05391 | 38.871 |
| #2 | .27745 | .57651 | 1.2692 | .28459 | .84406 | .05285 | 36.513 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .14794 | 7.2454 | 1.0490 | .11535 | 2.4820 | .80588 | 5.6756 |
| Stddev | .00072 | .0028  | .0451  | .00086 | .0028  | .00111 | .3168  |
| %RSD   | .48582 | .03868 | 4.3035 | .74849 | .11127 | .13712 | 5.5810 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .14845 | 7.2435 | 1.0809 | .11596 | 2.4801 | .80666 | 5.8996 |
| #2 | .14743 | 7.2474 | 1.0171 | .11474 | 2.4840 | .80510 | 5.4516 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.0194 | .19912 | 1.1453 | .15701 | 4.0587 | .28734 | 207.61 |
| Stddev | .0109  | .00789 | .0018  | .00090 | .1751  | .00079 | 9.74   |
| %RSD   | .53805 | 3.9644 | .15509 | .57548 | 4.3149 | .27393 | 4.6929 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.0271 | .20470 | 1.1440 | .15765 | 4.1825 | .28790 | 214.50 |
| #2 | 2.0118 | .19353 | 1.1465 | .15637 | 3.9348 | .28678 | 200.72 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 1.5435 | 3.6709 | .12204 | .16318 | 1.2591 | .72487 | 1.2359 |
| Stddev | .0676  | .0026  | .00422 | .00027 | .0358  | .00194 | .0551  |
| %RSD   | 4.3794 | .07048 | 3.4573 | .16241 | 2.8427 | .26824 | 4.4564 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.5913 | 3.6727 | .12502 | .16337 | 1.2844 | .72349 | 1.2748 |
| #2 | 1.4957 | 3.6691 | .11905 | .16299 | 1.2338 | .72624 | 1.1969 |

|        |        |        |        |        |         |
|--------|--------|--------|--------|--------|---------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |
| Avg    | 5.9923 | .2748  | 41.164 | 5366.4 | -72.996 |
| Stddev | .2506  | .0003  | 1.670  | 44.1   | 3.074   |
| %RSD   | 4.1818 | .1008  | 4.0578 | .82142 | 4.2110  |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | 6.1695 | .2750 | 42.345 | 5335.2 | -75.170 |
| #2 | 5.8151 | .2746 | 39.983 | 5397.5 | -70.823 |

Sample Name: S4      Acquired: 10/3/2018 12:44:00      Type: Cal  
Method: P4-ICP2(v2474)      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       | 2980.5 | 65217. | 5350.1 | 111.05 | 4027.9 |
| Stddev    | 13.0   | 314.   | 161.1  | 5.59   | 13.2   |
| %RSD      | .43630 | .48172 | 3.0110 | 5.0344 | .32752 |
| #1        | 2971.3 | 64994. | 5236.2 | 107.10 | 4018.6 |
| #2        | 2989.7 | 65439. | 5464.0 | 115.01 | 4037.3 |

Sample Name: S5      Acquired: 10/3/2018 12:47:46      Type: Cal  
Method: P4-ICP2(v2474)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .56980 | 1.1709 | 2.6127 | .57871 | 1.7186 | .11201 | 76.552 |
| Stddev | .00110 | .0036  | .0073  | .00137 | .0002  | .00019 | .774   |
| %RSD   | .19227 | .31062 | .28115 | .23666 | .00903 | .16649 | 1.0114 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .56902 | 1.1735 | 2.6179 | .57774 | 1.7185 | .11188 | 77.100 |
| #2 | .57057 | 1.1683 | 2.6075 | .57967 | 1.7187 | .11214 | 76.005 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .29840 | 14.960 | 2.1466 | .23228 | 5.1278 | 1.6086 | 11.381 |
| Stddev | .00012 | .058   | .0019  | .00075 | .0140  | .0003  | .020   |
| %RSD   | .03913 | .38872 | .08924 | .32339 | .27318 | .01630 | .17978 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .29831 | 15.001 | 2.1452 | .23281 | 5.1377 | 1.6088 | 11.366 |
| #2 | .29848 | 14.919 | 2.1479 | .23175 | 5.1179 | 1.6084 | 11.395 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 4.0293 | .40852 | 2.3579 | .31946 | 8.3718 | .58212 | 406.53 |
| Stddev | .0022  | .00079 | .0083  | .00097 | .0112  | .00004 | 1.22   |
| %RSD   | .05462 | .19316 | .35305 | .30513 | .13397 | .00711 | .30025 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.0308 | .40907 | 2.3637 | .32015 | 8.3798 | .58215 | 407.40 |
| #2 | 4.0277 | .40796 | 2.3520 | .31877 | 8.3639 | .58209 | 405.67 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 3.2261 | 7.4003 | .25324 | .34868 | 2.5453 | 1.4924 | 2.5337 |
| Stddev | .0074  | .0073  | .00035 | .00051 | .0067  | .0061  | .0032  |
| %RSD   | .23031 | .09888 | .13802 | .14755 | .26211 | .41119 | .12512 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.2209 | 7.4055 | .25299 | .34905 | 2.5406 | 1.4967 | 2.5314 |
| #2 | 3.2314 | 7.3951 | .25348 | .34832 | 2.5500 | 1.4881 | 2.5359 |

|        |        |        |        |        |         |  |  |
|--------|--------|--------|--------|--------|---------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |  |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |  |  |
| Avg    | 12.329 | .5841  | 83.586 | 5084.4 | -123.05 |  |  |
| Stddev | .010   | .0013  | .747   | 44.8   | 4.64    |  |  |
| %RSD   | .08275 | .2284  | .89347 | .88176 | 3.7681  |  |  |

|    |        |       |        |        |         |  |  |
|----|--------|-------|--------|--------|---------|--|--|
| #1 | 12.322 | .5851 | 83.057 | 5052.7 | -119.77 |  |  |
| #2 | 12.336 | .5832 | 84.114 | 5116.1 | -126.32 |  |  |

Sample Name: S5      Acquired: 10/3/2018 12:47:46      Type: Cal  
Method: P4-ICP2(v2474)      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       | 2922.8 | 63912. | 5276.0 | 111.15 | 3824.6 |
| Stddev    | 5.9    | 289.   | 21.5   | .49    | 20.3   |
| %RSD      | .20280 | .45188 | .40693 | .43691 | .53044 |
| #1        | 2918.7 | 63708. | 5260.9 | 110.81 | 3810.3 |
| #2        | 2927.0 | 64117. | 5291.2 | 111.49 | 3838.9 |

Sample Name: ICV01      Acquired: 10/3/2018 13:08:05      Type: Unk

Method: P4-ICP2(v2474)      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    | .99710 | 1.0235 | .98454 | .99714 | .98871 | 2.5294 | .51544 |
| Stddev | .00087 | .0069  | .00096 | .00596 | .00378 | .0106  | .00375 |
| %RSD   | .08716 | .67894 | .09713 | .59802 | .38243 | .42038 | .72770 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .99771 | 1.0284 | .98522 | 1.0014 | .99138 | 2.5369 | .51278 |
| #2 | .99649 | 1.0186 | .98387 | .99292 | .98603 | 2.5218 | .51809 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .48264 | .48296 | 10.308 | .50140 | .49270 | .51290 | 4.9792 |
| Stddev | .00078 | .00026 | .024   | .00119 | .00122 | .00023 | .0346  |
| %RSD   | .16080 | .05315 | .23500 | .23788 | .24848 | .04487 | .69569 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .48319 | .48314 | 10.290 | .50056 | .49356 | .51306 | 5.0037 |
| #2 | .48209 | .48278 | 10.325 | .50225 | .49183 | .51273 | 4.9547 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51029 | 6.0424 | .49730 | .50837 | 10.151 | .49683 | 1.0194 |
| Stddev | .00092 | .0256  | .00075 | .00079 | .080   | .00030 | .0063  |
| %RSD   | .18006 | .42443 | .15085 | .15488 | .78577 | .06022 | .61434 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .51094 | 6.0605 | .49783 | .50893 | 10.094 | .49704 | 1.0150 |
| #2 | .50964 | 6.0243 | .49677 | .50782 | 10.207 | .49662 | 1.0239 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.276 | 2.4436 | 2.4747 | F -.00125 | 2.3775 | 2.4287 | 2.4767 |
| Stddev | .019   | .0027  | .0667  | .00210    | .0343  | .0058  | .0081  |
| %RSD   | .18829 | .11101 | 2.6939 | 168.41    | 1.4419 | .23745 | .32797 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.262 | 2.4417 | 2.4276 | .00024  | 2.3533 | 2.4328 | 2.4709 |
| #2 | 10.289 | 2.4455 | 2.5219 | -.00274 | 2.4018 | 2.4246 | 2.4824 |

|        |          |          |        |          |          |  |  |
|--------|----------|----------|--------|----------|----------|--|--|
| Elem   | Li6707   | P_1774   | Sr4077 | U_3670   | U_3859   |  |  |
| Units  | ppm      | ppm      | ppm    | ppm      | ppm      |  |  |
| Avg    | F .00300 | F -.0003 | 2.5487 | F 1.8396 | F 1.8792 |  |  |
| Stddev | .00142   | .0002    | .0155  | .3337    | .3935    |  |  |
| %RSD   | 47.295   | 90.45    | .60845 | 18.138   | 20.939   |  |  |

|    |        |        |        |        |        |  |  |
|----|--------|--------|--------|--------|--------|--|--|
| #1 | .00199 | -.0004 | 2.5378 | 2.0755 | 1.6009 |  |  |
| #2 | .00400 | -.0001 | 2.5597 | 1.6036 | 2.1574 |  |  |

Sample Name: ICV01      Acquired: 10/3/2018 13:08:05      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      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       | 3088.0 | 67669. | 5348.6 | 116.34 | 4316.8 |
| Stddev    | 24.6   | 399.   | 18.5   | .12    | 39.2   |
| %RSD      | .79685 | .58990 | .34578 | .10424 | .90734 |
| #1        | 3070.6 | 67386. | 5361.7 | 116.26 | 4289.1 |
| #2        | 3105.4 | 67951. | 5335.6 | 116.43 | 4344.5 |

Sample Name: LLICV01      Acquired: 10/3/2018 13:24:52      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01700 | .04265 | .01219 | .02211 | .05242 | .11751 | .10390 |
| Stddev | .00214 | .00204 | .00035 | .00221 | .00014 | .00036 | .00001 |
| %RSD   | 12.594 | 4.7780 | 2.8429 | 10.003 | .26125 | .30303 | .00727 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01549 | .04121 | .01194 | .02367 | .05233 | .11776 | .10390 |
| #2 | .01852 | .04409 | .01243 | .02054 | .05252 | .11725 | .10389 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00597 | .00562 | 2.0825 | .01096 | .03131 | .02056 | .10916 |
| Stddev | .00010 | .00009 | .0035  | .00012 | .00002 | .00054 | .00005 |
| %RSD   | 1.7443 | 1.6587 | .16783 | 1.0966 | .07067 | 2.6171 | .04496 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00590 | .00568 | 2.0800 | .01105 | .03133 | .02018 | .10912 |
| #2 | .00604 | .00555 | 2.0849 | .01088 | .03129 | .02094 | .10919 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02177 | 2.1803 | .04215 | .01020 | 2.0795 | .04255 | .04317 |
| Stddev | .00013 | .1152  | .00004 | .00038 | .0034  | .00100 | .00003 |
| %RSD   | .60424 | 5.2855 | .08685 | 3.6909 | .16482 | 2.3521 | .07244 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02168 | 2.2618 | .04218 | .01047 | 2.0771 | .04184 | .04319 |
| #2 | .02186 | 2.0988 | .04212 | .00994 | 2.0819 | .04325 | .04314 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.0113 | .19821 | .09759 | .01614 | .39543 | .04216 | .04180 |
| Stddev | .0784  | .00024 | .00938 | .00523 | .00670 | .00018 | .00131 |
| %RSD   | 3.8975 | .12129 | 9.6085 | 32.421 | 1.6946 | .42849 | 3.1402 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.0667 | .19838 | .10422 | .01244 | .40017 | .04229 | .04273 |
| #2 | 1.9558 | .19804 | .09096 | .01984 | .39069 | .04204 | .04087 |

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .02201 | .0173  | .02066 | F .41907 | F .57333 |
| Stddev | .00203 | .0002  | .00003 | .35640   | .21127   |
| %RSD   | 9.2130 | .9318  | .13794 | 85.045   | 36.849   |

|    |        |       |        |        |        |
|----|--------|-------|--------|--------|--------|
| #1 | .02344 | .0174 | .02068 | .67109 | .72272 |
| #2 | .02057 | .0171 | .02064 | .16706 | .42394 |

Sample Name: LLICV01      Acquired: 10/3/2018 13:24:52      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLICV01      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       | 3119.5 | 68750. | 5370.1 | 116.79 | 4465.5 |
| Stddev    | 14.6   | 117.   | 26.5   | 1.38   | 25.1   |
| %RSD      | .46833 | .16967 | .49366 | 1.1806 | .56182 |
| #1        | 3109.2 | 68668. | 5351.3 | 115.82 | 4447.8 |
| #2        | 3129.9 | 68833. | 5388.8 | 117.77 | 4483.2 |



Sample Name: ICB01      Acquired: 10/3/2018 13:28:54      Type: Unk

Method: P4-ICP2(v2474)      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    | -.00439 | -.00061 | -.00051 | .00010 | -.00202 | .01272 | -.00005 |
| Stddev | .00195  | .00052  | .00115  | .00263 | .00001  | .00235 | .00088  |
| %RSD   | 44.388  | 86.336  | 225.96  | 2563.6 | .46792  | 18.447 | 1682.6  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00577 | -.00098 | -.00132 | .00196  | -.00202 | .01106 | -.00068 |
| #2 | -.00301 | -.00024 | .00030  | -.00176 | -.00201 | .01437 | .00057  |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00001 | .00002 | .01790 | -.00014 | .00012 | -.00049 | .00340 |
| Stddev | .00006 | .00002 | .01652 | .00013  | .00007 | .00009  | .00153 |
| %RSD   | 454.57 | 146.48 | 92.270 | 89.206  | 61.317 | 17.730  | 45.031 |

|    |         |         |        |         |        |         |        |
|----|---------|---------|--------|---------|--------|---------|--------|
| #1 | .00005  | .00003  | .02958 | -.00024 | .00017 | -.00055 | .00232 |
| #2 | -.00003 | -.00000 | .00622 | -.00005 | .00007 | -.00042 | .00449 |

|        |         |        |        |         |         |        |         |
|--------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00001 | .03231 | .00044 | -.00034 | -.01856 | .00016 | -.00052 |
| Stddev | .00008  | .03829 | .00018 | .00006  | .01247  | .00038 | .00000  |
| %RSD   | 707.70  | 118.53 | 41.280 | 17.918  | 67.179  | 243.91 | .14207  |

|    |         |        |        |         |         |         |         |
|----|---------|--------|--------|---------|---------|---------|---------|
| #1 | -.00007 | .05938 | .00057 | -.00030 | -.00974 | .00043  | -.00052 |
| #2 | .00005  | .00523 | .00031 | -.00038 | -.02738 | -.00011 | -.00052 |

|        |         |         |         |         |         |        |         |
|--------|---------|---------|---------|---------|---------|--------|---------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899 | Ti3361  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.03171 | -.00044 | -.00765 | -.00159 | -.00235 | .00012 | -.00155 |
| Stddev | .01005  | .00005  | .00277  | .00081  | .00555  | .00049 | .00143  |
| %RSD   | 31.677  | 11.459  | 36.167  | 51.201  | 236.61  | 406.45 | 92.381  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.02461 | -.00048 | -.00569 | -.00216 | -.00627 | -.00022 | -.00256 |
| #2 | -.03881 | -.00041 | -.00961 | -.00101 | .00158  | .00046  | -.00054 |

|        |        |        |         |          |          |
|--------|--------|--------|---------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg    | .00295 | -.0027 | -.00004 | F<.00000 | F .02346 |
| Stddev | .00019 | .0035  | .00001  | .06747   | .35969   |
| %RSD   | 6.3559 | 128.8  | 34.692  | 128.31   | 1533.1   |

|    |        |        |         |         |         |
|----|--------|--------|---------|---------|---------|
| #1 | .00308 | -.0002 | -.00005 | -.00487 | .27780  |
| #2 | .00282 | -.0052 | -.00003 | -.10029 | -.23088 |

Sample Name: ICB01      Acquired: 10/3/2018 13:28:54      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      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       | 3136.4 | 69152. | 5334.1 | 114.45 | 4473.4 |
| Stddev    | 4.2    | 278.   | 174.9  | 1.50   | 2.7    |
| %RSD      | .13515 | .40136 | 3.2797 | 1.3078 | .05994 |
| #1        | 3133.4 | 68956. | 5457.8 | 115.51 | 4475.3 |
| #2        | 3139.4 | 69348. | 5210.4 | 113.39 | 4471.5 |

Sample Name: CRI01      Acquired: 10/3/2018 13:32:58      Type: Unk

Method: P4-ICP2(v2474)      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    | .01744 | .04256 | .01140 | .02413 | .05354 | .12592 | .10534 |
| Stddev | .00200 | .00056 | .00156 | .00024 | .00042 | .00746 | .00163 |
| %RSD   | 11.467 | 1.3203 | 13.685 | .98521 | .78630 | 5.9230 | 1.5509 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01885 | .04296 | .01250 | .02396 | .05324 | .12064 | .10649 |
| #2 | .01602 | .04216 | .01029 | .02429 | .05383 | .13119 | .10418 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00600 | .00581 | 2.0717 | .01106 | .03239 | .02062 | .11419 |
| Stddev | .00008 | .00003 | .0596  | .00080 | .00038 | .00059 | .00253 |
| %RSD   | 1.3824 | .56737 | 2.8752 | 7.2352 | 1.1880 | 2.8428 | 2.2185 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00606 | .00578 | 2.1138 | .01049 | .03211 | .02103 | .11598 |
| #2 | .00594 | .00583 | 2.0296 | .01162 | .03266 | .02020 | .11240 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02222 | 2.0888 | .04282 | .01026 | 2.0937 | .04364 | .04443 |
| Stddev | .00017 | .0085  | .00023 | .00043 | .0624  | .00071 | .00092 |
| %RSD   | .74739 | .40656 | .54781 | 4.1828 | 2.9793 | 1.6239 | 2.0686 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02210 | 2.0948 | .04265 | .00995 | 2.1378 | .04314 | .04508 |
| #2 | .02234 | 2.0828 | .04298 | .01056 | 2.0496 | .04414 | .04378 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.0112 | .20179 | .08513 | .01697 | .39750 | .04276 | .04200 |
| Stddev | .0170  | .00015 | .00042 | .00486 | .01280 | .00039 | .00178 |
| %RSD   | .84344 | .07390 | .49314 | 28.622 | 3.2189 | .90139 | 4.2303 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.0232 | .20168 | .08483 | .02041 | .40655 | .04303 | .04326 |
| #2 | 1.9992 | .20190 | .08543 | .01354 | .38845 | .04248 | .04074 |

|        |        |        |        |          |          |  |  |
|--------|--------|--------|--------|----------|----------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |  |  |
| Avg    | .02428 | .0169  | .02061 | F<.00000 | F .27946 |  |  |
| Stddev | .00160 | .0004  | .00051 | .53162   | .70852   |  |  |
| %RSD   | 6.5872 | 2.647  | 2.4842 | 678.97   | 253.53   |  |  |

|    |        |       |        |         |         |  |  |
|----|--------|-------|--------|---------|---------|--|--|
| #1 | .02541 | .0172 | .02098 | .29761  | .78045  |  |  |
| #2 | .02315 | .0166 | .02025 | -.45421 | -.22154 |  |  |

Sample Name: CRI01      Acquired: 10/3/2018 13:32:58      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI01      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       | 3133.1 | 69203. | 5408.2 | 117.77 | 4474.1 |
| Stddev    | 6.8    | 235.   | 150.5  | 2.28   | 6.1    |
| %RSD      | .21617 | .33939 | 2.7823 | 1.9349 | .13715 |
| #1        | 3128.3 | 69037. | 5301.8 | 116.16 | 4469.8 |
| #2        | 3137.9 | 69369. | 5514.6 | 119.38 | 4478.5 |

Sample Name: ICSA01      Acquired: 10/3/2018 13:37:01      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |        |        |        |
|--------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00449 | -.00117 | -.00899 | -.01146 | .00583 | 267.13 | .00447 |
| Stddev | .00162  | .00142  | .00200  | .00188  | .00127 | 4.21   | .00046 |
| %RSD   | 36.051  | 120.87  | 22.222  | 16.444  | 21.819 | 1.5771 | 10.233 |

|    |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00334 | -.00017 | -.01041 | -.01279 | .00674 | 270.11 | .00479 |
| #2 | -.00563 | -.00217 | -.00758 | -.01012 | .00493 | 264.15 | .00415 |

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00063 | -.00090 | 237.92 | .05596 | -.00068 | .01630 | 96.022 |
| Stddev | .00006 | .00036  | 11.83  | .00072 | .00000  | .00076 | 3.891  |
| %RSD   | 10.268 | 39.886  | 4.9722 | 1.2907 | .51928  | 4.6723 | 4.0520 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00058 | -.00115 | 246.28 | .05648 | -.00069 | .01576 | 98.773 |
| #2 | .00068 | -.00065 | 229.55 | .05545 | -.00068 | .01684 | 93.271 |

|        |        |        |         |         |        |        |         |
|--------|--------|--------|---------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .01067 | 249.05 | -.00266 | -.00301 | .01134 | .00141 | -.00026 |
| Stddev | .00005 | 11.92  | .00068  | .00056  | .00145 | .00039 | .00004  |
| %RSD   | .50885 | 4.7877 | 25.496  | 18.672  | 12.777 | 27.492 | 14.394  |

|    |        |        |         |         |        |        |         |
|----|--------|--------|---------|---------|--------|--------|---------|
| #1 | .01071 | 257.49 | -.00218 | -.00261 | .01031 | .00114 | -.00029 |
| #2 | .01063 | 240.62 | -.00313 | -.00340 | .01236 | .00168 | -.00024 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00727 | -.00092 | .00837 | .00126 | .39899 | .01006 | -.00024 |
| Stddev | .00916 | .00020  | .00422 | .00137 | .01576 | .00094 | .00139  |
| %RSD   | 126.01 | 22.121  | 50.383 | 108.66 | 3.9491 | 9.3636 | 576.63  |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | .00079 | -.00078 | .00539 | .00224 | .41013 | .01073 | .00074  |
| #2 | .01374 | -.00107 | .01135 | .00029 | .38785 | .00940 | -.00122 |

|        |        |        |          |          |          |
|--------|--------|--------|----------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077   | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | .00642 | .0100  | F .10308 | F 4.7469 | F 25.183 |
| Stddev | .00100 | .0015  | .00478   | .3751    | .112     |
| %RSD   | 15.530 | 15.18  | 4.6353   | 7.9027   | .44666   |

|    |        |       |        |        |        |
|----|--------|-------|--------|--------|--------|
| #1 | .00571 | .0089 | .10646 | 4.4817 | 25.263 |
| #2 | .00712 | .0111 | .09970 | 5.0122 | 25.104 |

Sample Name: ICSA01      Acquired: 10/3/2018 13:37:01      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA01      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       | 2822.3 | 61270. | 5342.5 | 109.52 | 3725.5 |
| Stddev    | .4     | 371.   | 219.8  | 3.49   | 1.3    |
| %RSD      | .01585 | .60515 | 4.1150 | 3.1893 | .03525 |
| #1        | 2822.6 | 61008. | 5187.0 | 107.05 | 3726.4 |
| #2        | 2822.0 | 61532. | 5497.9 | 111.99 | 3724.5 |

Sample Name: ICSAB01      Acquired: 10/3/2018 13:45:22      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .09726 | .09916 | .04120 | .03534 | .62039 | 267.49 | .54005 |
| Stddev | .00324 | .00378 | .00241 | .00033 | .01055 | 4.50   | .00117 |
| %RSD   | 3.3299 | 3.8105 | 5.8531 | .93442 | 1.7013 | 1.6827 | .21586 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .09497 | .09649 | .03949 | .03511 | .61293 | 264.31 | .54087 |
| #2 | .09955 | .10183 | .04290 | .03557 | .62786 | 270.68 | .53922 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .53791 | .99494 | 249.58 | .57022 | .49703 | .50748 | 98.596 |
| Stddev | .00746 | .01290 | .71    | .01114 | .00682 | .01048 | .579   |
| %RSD   | 1.3872 | 1.2970 | .28490 | 1.9540 | 1.3727 | 2.0652 | .58706 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .53263 | .98582 | 249.08 | .56234 | .49220 | .50007 | 99.006 |
| #2 | .54318 | 1.0041 | 250.08 | .57809 | .50185 | .51489 | 98.187 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .52413 | 262.45 | .98439 | .21380 | .01787 | .51225 | 1.0300 |
| Stddev | .00679 | .83    | .01409 | .00148 | .01226 | .00826 | .0050  |
| %RSD   | 1.2954 | .31484 | 1.4314 | .69098 | 68.623 | 1.6125 | .48506 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .51933 | 261.87 | .97443 | .21275 | .00920 | .50641 | 1.0335 |
| #2 | .52893 | 263.04 | .99436 | .21484 | .02654 | .51809 | 1.0265 |

|        |         |          |          |         |          |          |          |
|--------|---------|----------|----------|---------|----------|----------|----------|
| Elem   | K_7664  | Mo2020   | B_2496   | S_1820  | Si2881   | Sn1899   | Ti3361   |
| Units  | ppm     | ppm      | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -.02918 | F 1.0103 | F 1.0297 | -.00187 | F .96509 | F 1.0378 | F 1.0177 |
| Stddev | .01459  | .0152    | .0086    | .00269  | .00151   | .0188    | .0001    |
| %RSD   | 49.979  | 1.5015   | .83982   | 143.71  | .15619   | 1.8106   | .01318   |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.01887 | .99960 | 1.0235 | .00003  | .96402 | 1.0245 | 1.0178 |
| #2 | -.03950 | 1.0211 | 1.0358 | -.00377 | .96615 | 1.0511 | 1.0177 |

|        |        |         |          |          |          |
|--------|--------|---------|----------|----------|----------|
| Elem   | Li6707 | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm    | ppm     | ppm      | ppm      | ppm      |
| Avg    | .00933 | F .0089 | F 1.1660 | F 5.7802 | F 24.965 |
| Stddev | .00016 | .0004   | .0017    | .7098    | .647     |
| %RSD   | 1.6833 | 4.555   | .14447   | 12.279   | 2.5911   |

|    |        |       |        |        |        |
|----|--------|-------|--------|--------|--------|
| #1 | .00922 | .0092 | 1.1648 | 5.2783 | 24.508 |
| #2 | .00944 | .0086 | 1.1672 | 6.2821 | 25.422 |

Sample Name: ICSAB01      Acquired: 10/3/2018 13:45:22      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB01      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       | 2851.3 | 61883. | 5137.5 | 108.16 | 3753.3 |
| Stddev    | 34.5   | 915.   | 2.0    | .80    | 38.2   |
| %RSD      | 1.2113 | 1.4784 | .03985 | .73800 | 1.0188 |
| #1        | 2875.7 | 62530. | 5138.9 | 107.59 | 3780.3 |
| #2        | 2826.9 | 61236. | 5136.0 | 108.72 | 3726.3 |



Sample Name: CCV01      Acquired: 10/3/2018 13:49:19      Type: Unk  
Method: P4-ICP2(v2474)      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 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8805 | 4.9445 | 4.9270 | 4.9531 | 4.9284 | 9.7864 | 10.104 |
| Stddev | .0039  | .0123  | .0021  | .0155  | .0098  | .1669  | .078   |
| %RSD   | .07918 | .24907 | .04244 | .31205 | .19845 | 1.7049 | .77622 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.8832 | 4.9533 | 4.9285 | 4.9421 | 4.9215 | 9.9044 | 10.048 |
| #2 | 4.8778 | 4.9358 | 4.9256 | 4.9640 | 4.9353 | 9.6685 | 10.159 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .24945 | 2.4614 | 25.135 | 1.0021 | 2.4630 | 1.2426 | 5.0304 |
| Stddev | .00494 | .0058  | .258   | .0159  | .0013  | .0001  | .0487  |
| %RSD   | 1.9789 | .23645 | 1.0284 | 1.5870 | .05398 | .00608 | .96879 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25294 | 2.4655 | 24.952 | 1.0134 | 2.4640 | 1.2425 | 4.9960 |
| #2 | .24596 | 2.4573 | 25.318 | .99088 | 2.4621 | 1.2426 | 5.0649 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5089 | 25.072 | 2.4731 | 1.2506 | 24.994 | 2.4987 | 2.5206 |
| Stddev | .0453  | .207   | .0090  | .0218  | .179   | .0519  | .0300  |
| %RSD   | 1.8060 | .82645 | .36265 | 1.7418 | .71432 | 2.0789 | 1.1901 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.5409 | 24.926 | 2.4794 | 1.2660 | 24.867 | 2.5354 | 2.4994 |
| #2 | 2.4768 | 25.219 | 2.4667 | 1.2351 | 25.120 | 2.4620 | 2.5419 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 25.043 | 4.9632 | 5.0076 | 4.8346 | 5.1353 | 4.9575 | 5.0079 |
| Stddev | .211   | .0010  | .0414  | .0059  | .0434  | .0059  | .0145  |
| %RSD   | .84353 | .01974 | .82705 | .12150 | .84491 | .11888 | .28919 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 24.893 | 4.9638 | 4.9783 | 4.8388 | 5.1046 | 4.9616 | 4.9977 |
| #2 | 25.192 | 4.9625 | 5.0369 | 4.8305 | 5.1659 | 4.9533 | 5.0182 |

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | 5.0056 | 4.939  | 5.0904 | F 2.9444 | F 2.2561 |
| Stddev | .0544  | .015   | .0451  | .5511    | .2728    |
| %RSD   | 1.0858 | .3043  | .88530 | 18.717   | 12.093   |

|    |        |       |        |        |        |
|----|--------|-------|--------|--------|--------|
| #1 | 4.9671 | 4.950 | 5.0585 | 3.3341 | 2.0632 |
| #2 | 5.0440 | 4.928 | 5.1223 | 2.5547 | 2.4490 |

Sample Name: CCV01      Acquired: 10/3/2018 13:49:19      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      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       | 3013.0 | 65893. | 5275.4 | 111.82 | 4054.7 |
| Stddev    | 12.4   | 1082.  | 46.2   | .80    | 24.9   |
| %RSD      | .41199 | 1.6417 | .87496 | .71764 | .61389 |
| #1        | 3004.2 | 65128. | 5308.1 | 112.39 | 4037.1 |
| #2        | 3021.8 | 66658. | 5242.8 | 111.26 | 4072.3 |

Sample Name: CCB01      Acquired: 10/3/2018 13:53:04      Type: Unk  
Method: P4-ICP2(v2474)      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    | .00137 | -.00208 | .00025 | -.00040 | .00430 | .01806 | .00127 |
| Stddev | .00034 | .00184  | .00059 | .00062  | .00043 | .00952 | .00134 |
| %RSD   | 24.443 | 88.033  | 230.97 | 156.79  | 10.062 | 52.679 | 105.38 |

|    |        |         |         |         |        |        |        |
|----|--------|---------|---------|---------|--------|--------|--------|
| #1 | .00114 | -.00338 | -.00016 | .00004  | .00461 | .02479 | .00221 |
| #2 | .00161 | -.00079 | .00067  | -.00084 | .00399 | .01133 | .00032 |

|        |         |        |        |         |        |         |         |
|--------|---------|--------|--------|---------|--------|---------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00007 | .00002 | .01635 | -.00017 | .00012 | -.00032 | -.00698 |
| Stddev | .00010  | .00003 | .00254 | .00004  | .00017 | .00067  | .00003  |
| %RSD   | 130.50  | 185.28 | 15.552 | 25.825  | 140.11 | 213.54  | .49206  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00001 | -.00000 | .01815 | -.00020 | .00000 | -.00079 | -.00700 |
| #2 | -.00014 | .00003  | .01456 | -.00014 | .00024 | .00016  | -.00695 |

|        |        |        |         |         |         |         |         |
|--------|--------|--------|---------|---------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00011 | .00589 | -.00044 | -.00009 | -.01091 | -.00003 | -.00041 |
| Stddev | .00006 | .01367 | .00007  | .00024  | .01311  | .00046  | .00006  |
| %RSD   | 48.989 | 232.14 | 15.119  | 263.09  | 120.17  | 1512.2  | 13.838  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00015 | -.00378 | -.00039 | .00008  | -.02019 | .00030  | -.00045 |
| #2 | .00007 | .01556  | -.00048 | -.00026 | -.00164 | -.00036 | -.00037 |

|        |         |        |         |         |         |        |         |
|--------|---------|--------|---------|---------|---------|--------|---------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820  | Si2881  | Sn1899 | Ti3361  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.02449 | .00015 | -.00057 | -.00375 | -.00001 | .00089 | -.00029 |
| Stddev | .06654  | .00014 | .00971  | .00387  | .00147  | .00027 | .00005  |
| %RSD   | 271.73  | 90.573 | 1700.0  | 103.27  | 22678.  | 30.470 | 19.031  |

|    |         |        |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|--------|---------|
| #1 | .02256  | .00005 | -.00744 | -.00649 | .00103  | .00070 | -.00025 |
| #2 | -.07154 | .00025 | .00630  | -.00101 | -.00104 | .00109 | -.00032 |

|        |        |        |         |          |          |
|--------|--------|--------|---------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg    | .00336 | -.0015 | -.00001 | F<.00000 | F<.00000 |
| Stddev | .00118 | .0009  | .00006  | .22700   | .09398   |
| %RSD   | 35.044 | 60.43  | 1158.0  | 21.035   | 90.124   |

|    |        |        |         |         |         |
|----|--------|--------|---------|---------|---------|
| #1 | .00253 | -.0021 | .00004  | -1.2397 | -.03782 |
| #2 | .00419 | -.0009 | -.00005 | -.91865 | -.17073 |

Sample Name: CCB01      Acquired: 10/3/2018 13:53:04      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      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       | 3134.8 | 70207. | 5352.8 | 116.62 | 4478.3 |
| Stddev    | 3.3    | 83.    | 26.3   | 3.03   | 6.8    |
| %RSD      | .10450 | .11758 | .49153 | 2.6022 | .15078 |
| #1        | 3132.5 | 70265. | 5371.4 | 114.47 | 4473.5 |
| #2        | 3137.1 | 70149. | 5334.2 | 118.76 | 4483.1 |

Sample Name: PB113258BL      Acquired: 10/3/2018 13:57:04      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00093 | -.00031 | -.00037 | -.00108 | .00289 | .00991 | .00061 |
| Stddev | .00112  | .00059  | .00089  | .00051  | .00026 | .00168 | .00068 |
| %RSD   | 119.99  | 186.99  | 244.65  | 47.360  | 9.0409 | 16.925 | 111.68 |

|    |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00173 | -.00073 | .00027  | -.00072 | .00270 | .00873 | .00109 |
| #2 | -.00014 | .00010  | -.00100 | -.00145 | .00307 | .01110 | .00013 |

|        |         |         |        |         |        |         |         |
|--------|---------|---------|--------|---------|--------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00008 | -.00006 | .01435 | -.00057 | .00002 | -.00030 | -.00092 |
| Stddev | .00005  | .00000  | .01039 | .00010  | .00025 | .00025  | .01524  |
| %RSD   | 62.163  | 1.4471  | 72.436 | 18.232  | 1268.3 | 82.212  | 1657.6  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00004 | -.00006 | .00700 | -.00050 | .00019  | -.00048 | -.01170 |
| #2 | -.00011 | -.00006 | .02170 | -.00065 | -.00015 | -.00013 | .00986  |

|        |         |         |         |         |         |        |         |
|--------|---------|---------|---------|---------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00004 | -.02747 | -.00011 | -.00017 | -.01106 | .00008 | -.00049 |
| Stddev | .00001  | .00376  | .00008  | .00012  | .01312  | .00028 | .00001  |
| %RSD   | 25.317  | 13.701  | 69.925  | 69.551  | 118.62  | 362.12 | 2.0235  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00005 | -.02481 | -.00017 | -.00025 | -.00178 | -.00012 | -.00048 |
| #2 | -.00003 | -.03013 | -.00006 | -.00009 | -.02033 | .00028  | -.00049 |

|        |         |         |         |         |         |        |         |
|--------|---------|---------|---------|---------|---------|--------|---------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899 | Ti3361  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.02034 | -.00029 | -.00599 | -.00147 | -.00088 | .00010 | -.00146 |
| Stddev | .01138  | .00014  | .00314  | .00551  | .00235  | .00062 | .00064  |
| %RSD   | 55.939  | 47.983  | 52.444  | 374.73  | 267.16  | 626.94 | 43.550  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.02839 | -.00019 | -.00377 | -.00536 | -.00254 | .00054  | -.00101 |
| #2 | -.01229 | -.00038 | -.00821 | .00242  | .00078  | -.00034 | -.00191 |

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .00206 | -.0002 | .00003 | F<.00000 | F<.00000 |
| Stddev | .00077 | .0007  | .00008 | .22070   | .22732   |
| %RSD   | 37.279 | 316.3  | 280.11 | 27.254   | 500.56   |

|    |        |        |         |         |         |
|----|--------|--------|---------|---------|---------|
| #1 | .00261 | .0003  | .00008  | -.96585 | -.20615 |
| #2 | .00152 | -.0008 | -.00003 | -.65373 | .11533  |

Sample Name: PB113258BL      Acquired: 10/3/2018 13:57:04      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3142.8 | 70191. | 5333.9 | 117.76 | 4480.2 |
| Stddev    | 5.1    | 11.    | 5.8    | .07    | 9.1    |
| %RSD      | .16230 | .01613 | .10810 | .05732 | .20301 |
| #1        | 3139.2 | 70199. | 5337.9 | 117.81 | 4473.8 |
| #2        | 3146.4 | 70183. | 5329.8 | 117.71 | 4486.6 |

Sample Name: PB113258BS      Acquired: 10/3/2018 14:01:09      Type: Unk  
Method: P4-ICP2(v2474)      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    | .74838 | 1.9596 | .96292 | 1.9387 | .77746 | 1.9029 | .20494 |
| Stddev | .00588 | .0023  | .00277 | .0023  | .00238 | .0185  | .00693 |
| %RSD   | .78632 | .11635 | .28816 | .12080 | .30593 | .97455 | 3.3810 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74421 | 1.9613 | .96488 | 1.9404 | .77578 | 1.8897 | .20004 |
| #2 | .75254 | 1.9580 | .96096 | 1.9370 | .77914 | 1.9160 | .20984 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19657 | .19130 | 1.0394 | .40390 | .19523 | .30809 | 2.9625 |
| Stddev | .00022 | .00019 | .0307  | .00112 | .00013 | .00037 | .0633  |
| %RSD   | .11301 | .09938 | 2.9528 | .27727 | .06547 | .12043 | 2.1381 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19673 | .19143 | 1.0177 | .40470 | .19532 | .30783 | 2.9177 |
| #2 | .19641 | .19116 | 1.0611 | .40311 | .19514 | .30836 | 3.0073 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20707 | 2.0204 | .49325 | .07141 | 3.0617 | .29792 | .20241 |
| Stddev | .00075 | .1169  | .00050 | .00092 | .0991  | .00049 | .00349 |
| %RSD   | .36430 | 5.7859 | .10146 | 1.2923 | 3.2381 | .16436 | 1.7222 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20760 | 1.9378 | .49290 | .07207 | 2.9916 | .29757 | .19994 |
| #2 | .20654 | 2.1031 | .49360 | .07076 | 3.1318 | .29826 | .20487 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.090 | .39408 | .28912 | F -.00687 | .94491 | .68929 | .19612 |
| Stddev | .283   | .00038 | .01487 | .00049    | .03618 | .00178 | .00306 |
| %RSD   | 2.8064 | .09617 | 5.1418 | 7.1316    | 3.8290 | .25759 | 1.5579 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.8894 | .39381 | .27861 | -.00722 | .91933 | .69054 | .19396 |
| #2 | 10.290 | .39434 | .29963 | -.00652 | .97049 | .68803 | .19828 |

|        |        |         |        |          |          |  |  |
|--------|--------|---------|--------|----------|----------|--|--|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      |  |  |
| Avg    | .20771 | F 5.344 | .20342 | F<.00000 | F .20926 |  |  |
| Stddev | .00656 | .004    | .00663 | .54295   | .11638   |  |  |
| %RSD   | 3.1560 | .0714   | 3.2608 | 215.99   | 55.612   |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .20307 | 5.341 | .19873 | .13254  | .12697 |  |  |
| #2 | .21234 | 5.346 | .20811 | -.63531 | .29155 |  |  |

Sample Name: PB113258BS      Acquired: 10/3/2018 14:01:09      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3118.3 | 69269. | 5405.5 | 118.82 | 4420.8 |
| Stddev    | 4.8    | 243.   | 139.0  | 2.19   | 3.5    |
| %RSD      | .15409 | .35081 | 2.5713 | 1.8431 | .08029 |
| #1        | 3121.7 | 69097. | 5503.8 | 120.37 | 4418.3 |
| #2        | 3114.9 | 69440. | 5307.3 | 117.27 | 4423.3 |



Sample Name: PB113256BL      Acquired: 10/3/2018 14:05:01      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00005 | -.00104 | .00051 | -.00080 | .00080 | .00424 | -.00022 |
| Stddev | .00084  | .00089  | .00063 | .00063  | .00004 | .00237 | .00084  |
| %RSD   | 1578.7  | 85.599  | 123.90 | 78.975  | 5.1320 | 55.865 | 385.66  |

|    |         |         |        |         |        |        |         |
|----|---------|---------|--------|---------|--------|--------|---------|
| #1 | -.00065 | -.00167 | .00096 | -.00124 | .00077 | .00592 | .00038  |
| #2 | .00054  | -.00041 | .00006 | -.00035 | .00083 | .00257 | -.00081 |

|        |         |        |        |         |         |         |         |
|--------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00007 | .00002 | .02318 | -.00025 | -.00010 | -.00085 | -.00344 |
| Stddev | .00004  | .00008 | .01520 | .00023  | .00036  | .00020  | .02084  |
| %RSD   | 67.558  | 410.68 | 65.562 | 91.407  | 378.66  | 23.579  | 606.04  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00010 | .00008  | .01243 | -.00009 | .00016  | -.00099 | .01130  |
| #2 | -.00003 | -.00004 | .03393 | -.00041 | -.00035 | -.00071 | -.01817 |

|        |         |        |         |         |         |        |         |
|--------|---------|--------|---------|---------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00012 | .01574 | -.00077 | -.00064 | -.00877 | .00017 | -.00039 |
| Stddev | .00003  | .00798 | .00049  | .00064  | .01182  | .00015 | .00003  |
| %RSD   | 21.574  | 50.706 | 63.121  | 100.10  | 134.86  | 90.360 | 6.7505  |

|    |         |        |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|--------|---------|
| #1 | -.00010 | .02138 | -.00043 | -.00019 | -.00041 | .00006 | -.00037 |
| #2 | -.00014 | .01010 | -.00112 | -.00109 | -.01713 | .00028 | -.00041 |

|        |        |         |         |         |         |        |         |
|--------|--------|---------|---------|---------|---------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00582 | -.00036 | -.01401 | -.00559 | -.00051 | .00041 | -.00030 |
| Stddev | .01198 | .00005  | .00301  | .00058  | .00256  | .00010 | .00025  |
| %RSD   | 205.93 | 13.636  | 21.518  | 10.351  | 502.65  | 23.492 | 82.246  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00265 | -.00032 | -.01614 | -.00518 | .00130  | .00034 | -.00048 |
| #2 | .01429  | -.00039 | -.01188 | -.00600 | -.00232 | .00047 | -.00013 |

|        |         |        |         |          |          |
|--------|---------|--------|---------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm     | ppm      | ppm      |
| Avg    | -.00015 | -.0028 | -.00011 | F<.00000 | F .25594 |
| Stddev | .00002  | .0013  | .00001  | .05285   | .19292   |
| %RSD   | 12.628  | 45.44  | 10.989  | 6.6313   | 75.374   |

|    |         |        |         |         |        |
|----|---------|--------|---------|---------|--------|
| #1 | -.00013 | -.0019 | -.00010 | -.75962 | .39236 |
| #2 | -.00016 | -.0037 | -.00012 | -.83436 | .11953 |

Sample Name: PB113256BL      Acquired: 10/3/2018 14:05:01      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3145.9 | 69954. | 5470.6 | 118.41 | 4484.2 |
| Stddev    | 2.0    | 96.    | 221.8  | 5.04   | 2.6    |
| %RSD      | .06442 | .13770 | 4.0537 | 4.2593 | .05716 |
| #1        | 3147.4 | 69885. | 5313.8 | 114.85 | 4486.0 |
| #2        | 3144.5 | 70022. | 5627.4 | 121.98 | 4482.4 |

Sample Name: PB113256BS      Acquired: 10/3/2018 14:09:07      Type: Unk  
Method: P4-ICP2(v2474)      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    | .74890 | 1.9659 | .96214 | 1.9363 | .77683 | 1.9261 | .20948 |
| Stddev | .00008 | .0118  | .00233 | .0007  | .00271 | .0081  | .00129 |
| %RSD   | .01096 | .60215 | .24227 | .03503 | .34937 | .42268 | .61814 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74884 | 1.9742 | .96379 | 1.9368 | .77875 | 1.9319 | .21040 |
| #2 | .74896 | 1.9575 | .96050 | 1.9358 | .77492 | 1.9204 | .20857 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19633 | .19134 | 1.0566 | .40741 | .19575 | .30738 | 3.0355 |
| Stddev | .00063 | .00035 | .0207  | .00244 | .00014 | .00163 | .0289  |
| %RSD   | .32297 | .18492 | 1.9542 | .59976 | .07371 | .53093 | .95081 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19678 | .19159 | 1.0712 | .40914 | .19585 | .30853 | 3.0559 |
| #2 | .19589 | .19109 | 1.0420 | .40568 | .19565 | .30622 | 3.0151 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20792 | 2.0642 | .49259 | .07077 | 3.1260 | .29684 | .20752 |
| Stddev | .00077 | .0186  | .00163 | .00140 | .0001  | .00053 | .00242 |
| %RSD   | .36895 | .89849 | .33187 | 1.9761 | .00410 | .17870 | 1.1644 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20846 | 2.0511 | .49144 | .07176 | 3.1261 | .29721 | .20923 |
| #2 | .20738 | 2.0773 | .49375 | .06978 | 3.1260 | .29646 | .20581 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.271 | .39529 | .28116 | F -.00545 | .96712 | .69048 | .20103 |
| Stddev | .028   | .00059 | .01934 | .00119    | .00194 | .00027 | .00143 |
| %RSD   | .26834 | .14806 | 6.8779 | 21.770    | .20015 | .03927 | .71272 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.290 | .39570 | .29484 | -.00629 | .96849 | .69029 | .20204 |
| #2 | 10.251 | .39488 | .26749 | -.00461 | .96575 | .69067 | .20002 |

|        |        |        |        |          |          |  |  |
|--------|--------|--------|--------|----------|----------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |  |  |
| Avg    | .21315 | 5.344  | .20705 | F .29760 | F 1.0693 |  |  |
| Stddev | .00076 | .004   | .00018 | .44539   | .4166    |  |  |
| %RSD   | .35615 | .0839  | .08677 | 149.66   | 38.964   |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .21369 | 5.341 | .20718 | .61254  | .77467 |  |  |
| #2 | .21261 | 5.347 | .20692 | -.01734 | 1.3639 |  |  |

Sample Name: PB113256BS      Acquired: 10/3/2018 14:09:07      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3104.4 | 68859. | 5266.1 | 115.25 | 4403.9 |
| Stddev    | .7     | 362.   | 20.5   | 1.24   | 2.3    |
| %RSD      | .02143 | .52507 | .38952 | 1.0802 | .05176 |
| #1        | 3104.9 | 68604. | 5251.6 | 114.37 | 4402.3 |
| #2        | 3103.9 | 69115. | 5280.6 | 116.13 | 4405.5 |

Sample Name: J4879-01      Acquired: 10/3/2018 14:12:58      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: 10X10

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .30164 | .46395 | .77098 | .84368 | .18095 | 1.2784 | 1.6264 | .32232 |
| Stddev | .00148 | .00187 | .00299 | .00311 | .00165 | .0110  | .0175  | .00045 |
| %RSD   | .49058 | .40302 | .38777 | .36886 | .91052 | .85847 | 1.0728 | .14066 |
| #1     | .30269 | .46263 | .76887 | .84588 | .17978 | 1.2706 | 1.6387 | .32264 |
| #2     | .30060 | .46527 | .77310 | .84148 | .18211 | 1.2861 | 1.6140 | .32199 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .42200 | .00530 | .71178 | .37236 | .67937 | 2.5314 | .94046 | .04037 |
| Stddev | .00000 | .00197 | .00253 | .00042 | .00039 | .0027  | .00002 | .01831 |
| %RSD   | .00000 | 37.194 | .35511 | .11289 | .05705 | .10533 | .00173 | 45.365 |
| #1     | .42200 | .00669 | .70999 | .37206 | .67965 | 2.5332 | .94047 | .05332 |
| #2     | .42200 | .00390 | .71357 | .37266 | .67910 | 2.5295 | .94045 | .02742 |

|        |        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | 1.7622 | .37878 | .02071 | .90022 | 1.6730 | -.01141 | .15840 | .93091 |
| Stddev | .0011  | .00058 | .00176 | .00131 | .0409  | .02964  | .00019 | .00426 |
| %RSD   | .06330 | .15219 | 8.4933 | .14520 | 2.4439 | 259.71  | .11757 | .45755 |
| #1     | 1.7614 | .37919 | .02196 | .90114 | 1.7020 | .00955  | .15853 | .92790 |
| #2     | 1.7630 | .37837 | .01947 | .89930 | 1.6441 | -.03237 | .15827 | .93392 |

|        |         |        |        |         |        |        |        |         |
|--------|---------|--------|--------|---------|--------|--------|--------|---------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00049  | .11195 | .00165 | -.00070 | .00475 | .0019  | .19534 | <.00000 |
| Stddev | .00199  | .00387 | .00075 | .00125  | .00010 | .0021  | .00089 | .00819  |
| %RSD   | 408.49  | 3.4576 | 45.704 | 178.41  | 2.0733 | 112.8  | .45573 | 4.2114  |
| #1     | -.00092 | .11468 | .00218 | -.00159 | .00482 | .0033  | .19597 | -.18865 |
| #2     | .00189  | .10921 | .00112 | .00018  | .00468 | .0004  | .19471 | -.20024 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.1694 |
| Stddev | .5910  |
| %RSD   | 50.536 |
| #1     | .75152 |
| #2     | 1.5873 |

Sample Name: J4879-01      Acquired: 10/3/2018 14:12:58      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: 10X10

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3156.8 | 70003. | 5351.7 | 115.50 | 4484.0 |
| Stddev    | 17.3   | 126.   | 41.3   | 3.29   | 18.8   |
| %RSD      | .54925 | .17997 | .77164 | 2.8473 | .41968 |
| #1        | 3144.5 | 69914. | 5322.5 | 113.18 | 4470.7 |
| #2        | 3169.0 | 70092. | 5380.9 | 117.83 | 4497.4 |

Sample Name: J4879-05      Acquired: 10/3/2018 14:20:42      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00013 | -.00079 | .00049 | -.00028 | -.00225 | .00919 | .00406 | .00000 |
| Stddev | .00013  | .00225  | .00037 | .00202  | .00115  | .00502 | .00354 | .00009 |
| %RSD   | 100.37  | 283.64  | 74.556 | 730.25  | 51.135  | 54.636 | 87.261 | 2059.3 |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.00004 | -.00238 | .00023 | -.00170 | -.00306 | .01274 | .00155 | .00007  |
| #2 | -.00022 | .00080  | .00075 | .00115  | -.00144 | .00564 | .00656 | -.00006 |

|        |         |        |         |         |         |        |        |        |
|--------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00002 | 23.737 | -.00081 | -.00010 | -.00057 | .00212 | .00015 | 35.461 |
| Stddev | .00010  | 3.256  | .00008  | .00024  | .00023  | .00733 | .00003 | 4.885  |
| %RSD   | 430.36  | 13.719 | 9.7850  | 232.40  | 40.013  | 345.93 | 17.763 | 13.776 |

|    |         |        |         |         |         |         |        |        |
|----|---------|--------|---------|---------|---------|---------|--------|--------|
| #1 | -.00010 | 21.435 | -.00087 | -.00027 | -.00073 | -.00307 | .00014 | 32.007 |
| #2 | .00005  | 26.040 | -.00076 | .00007  | -.00041 | .00731  | .00017 | 38.915 |

|        |         |        |        |         |         |        |         |         |
|--------|---------|--------|--------|---------|---------|--------|---------|---------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00091 | .00026 | 92.397 | -.00016 | -.00025 | 24.751 | -.00036 | -.01315 |
| Stddev | .00037  | .00083 | 11.848 | .00107  | .00012  | 3.029  | .00011  | .00534  |
| %RSD   | 40.354  | 319.62 | 12.823 | 668.09  | 48.813  | 12.238 | 31.757  | 40.577  |

|    |         |         |        |         |         |        |         |         |
|----|---------|---------|--------|---------|---------|--------|---------|---------|
| #1 | -.00065 | -.00033 | 84.019 | -.00092 | -.00033 | 22.609 | -.00028 | -.01692 |
| #2 | -.00117 | .00085  | 100.77 | .00060  | -.00016 | 26.893 | -.00044 | -.00938 |

|        |         |         |        |         |        |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00246 | -.00518 | .00130 | -.00021 | .00433 | -.0031 | .00268 | .81692 |
| Stddev | .00504  | .00506  | .00039 | .00017  | .00274 | .0031  | .00039 | .27226 |
| %RSD   | 204.80  | 97.671  | 30.070 | 78.262  | 63.207 | 99.30  | 14.655 | 33.327 |

|    |         |         |        |         |        |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00110  | -.00876 | .00102 | -.00033 | .00239 | -.0053 | .00240 | 1.0094 |
| #2 | -.00602 | -.00160 | .00158 | -.00009 | .00626 | -.0009 | .00296 | .62440 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .66392 |
| Stddev | .17938 |
| %RSD   | 27.019 |

|    |        |
|----|--------|
| #1 | .79076 |
| #2 | .53708 |

Sample Name: J4879-05      Acquired: 10/3/2018 14:20:42      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3139.1 | 68312. | 5009.8 | 109.01 | 4319.2 |
| Stddev    | 20.9   | 58.    | 633.1  | 13.07  | 36.4   |
| %RSD      | .66657 | .08485 | 12.637 | 11.987 | .84251 |
| #1        | 3124.3 | 68271. | 5457.4 | 118.25 | 4293.5 |
| #2        | 3153.9 | 68353. | 4562.1 | 99.770 | 4345.0 |



Sample Name: J4879-07      Acquired: 10/3/2018 14:24:45      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00215 | .00000   | .00005 | .00139 | -.00014 | .30600 | .00196 |
| Stddev | .00028  | .00243   | .00067 | .00206 | .00017  | .28735 | .00036 |
| %RSD   | 13.226  | 1259900. | 1417.5 | 148.18 | 116.70  | 93.905 | 18.580 |

|    |         |         |         |         |         |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|
| #1 | -.00195 | .00172  | -.00043 | -.00007 | -.00002 | .10282 | .00170 |
| #2 | -.00235 | -.00172 | .00052  | .00285  | -.00026 | .50919 | .00222 |

|        |        |        |        |        |         |         |        |
|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00000 | .00006 | .01919 | .00079 | -.00026 | -.00076 | .04988 |
| Stddev | .00003 | .00007 | .00186 | .00020 | .00017  | .00042  | .08527 |
| %RSD   | 2205.0 | 131.03 | 9.6761 | 24.806 | 66.880  | 54.423  | 170.95 |

|    |         |        |        |        |         |         |         |
|----|---------|--------|--------|--------|---------|---------|---------|
| #1 | .00003  | .00011 | .02050 | .00093 | -.00038 | -.00047 | -.01042 |
| #2 | -.00002 | .00000 | .01787 | .00065 | -.00014 | -.00106 | .11017  |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00005 | .03890 | .00018 | .00005 | 45.235 | .00057 | -.00067 |
| Stddev | .00004 | .03967 | .00041 | .00006 | .950   | .00003 | .00000  |
| %RSD   | 72.833 | 101.99 | 222.51 | 112.59 | 2.1005 | 5.7861 | .69056  |

|    |        |        |         |        |        |        |         |
|----|--------|--------|---------|--------|--------|--------|---------|
| #1 | .00008 | .06695 | .00047  | .00010 | 45.907 | .00054 | -.00068 |
| #2 | .00003 | .01085 | -.00010 | .00001 | 44.563 | .00059 | -.00067 |

|        |        |         |         |         |        |        |        |
|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06124 | -.00043 | -.00658 | -.00107 | 26.053 | .00148 | .04547 |
| Stddev | .04373 | .00003  | .00286  | .00294  | .676   | .00047 | .04982 |
| %RSD   | 71.408 | 6.1727  | 43.492  | 275.89  | 2.5965 | 31.944 | 109.55 |

|    |        |         |         |         |        |        |        |
|----|--------|---------|---------|---------|--------|--------|--------|
| #1 | .03032 | -.00045 | -.00861 | -.00315 | 26.531 | .00181 | .01025 |
| #2 | .09216 | -.00041 | -.00456 | .00101  | 25.575 | .00114 | .08070 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .00319 | .0025  | .00030 | F<.00000 | .17752 |  |  |
| Stddev | .00016 | .0005  | .00042 | .84694   | .08341 |  |  |
| %RSD   | 4.8957 | 20.69  | 139.36 | 67.600   | 46.985 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .00308 | .0028 | .00000 | -1.8517 | .23650 |  |  |
| #2 | .00330 | .0021 | .00060 | -.65398 | .11854 |  |  |

Sample Name: J4879-07      Acquired: 10/3/2018 14:24:45      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3252.9 | 71088. | 5613.7 | 122.61 | 4622.5 |
| Stddev    | 114.6  | 492.   | 96.5   | .39    | 149.5  |
| %RSD      | 3.5222 | .69266 | 1.7199 | .32107 | 3.2347 |
| #1        | 3333.9 | 71436. | 5545.4 | 122.33 | 4728.3 |
| #2        | 3171.9 | 70740. | 5682.0 | 122.88 | 4516.8 |

Sample Name: J4878-05      Acquired: 10/3/2018 14:28:47      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |        |         |        |        |        |
|--------|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00185 | -.00116 | -.00018 | .00294 | -.00537 | .00673 | .00222 | .00001 |
| Stddev | .00091 | .00040  | .00147  | .00102 | .00036  | .00128 | .00087 | .00004 |
| %RSD   | 49.082 | 34.527  | 821.87  | 34.559 | 6.7530  | 18.941 | 38.954 | 295.65 |

|    |        |         |         |        |         |        |        |         |
|----|--------|---------|---------|--------|---------|--------|--------|---------|
| #1 | .00121 | -.00144 | .00086  | .00222 | -.00562 | .00583 | .00283 | -.00002 |
| #2 | .00249 | -.00088 | -.00122 | .00366 | -.00511 | .00763 | .00161 | .00004  |

|        |         |        |         |         |         |         |        |        |
|--------|---------|--------|---------|---------|---------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00009 | 22.699 | -.00073 | -.00007 | -.00061 | -.00459 | .00009 | 33.441 |
| Stddev | .00013  | 1.085  | .00017  | .00012  | .00010  | .00346  | .00002 | 1.606  |
| %RSD   | 151.32  | 4.7784 | 23.429  | 166.35  | 15.631  | 75.467  | 26.829 | 4.8039 |

|    |         |        |         |         |         |         |        |        |
|----|---------|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00001  | 23.466 | -.00085 | -.00016 | -.00054 | -.00214 | .00007 | 34.576 |
| #2 | -.00018 | 21.932 | -.00061 | .00001  | -.00068 | -.00704 | .00010 | 32.305 |

|        |         |        |        |        |         |        |         |         |
|--------|---------|--------|--------|--------|---------|--------|---------|---------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00123 | .00034 | 88.459 | .00015 | -.00059 | 23.768 | -.00041 | -.01717 |
| Stddev | .00072  | .00061 | 4.068  | .00047 | .00000  | .873   | .00016  | .01385  |
| %RSD   | 58.436  | 180.40 | 4.5984 | 325.64 | .63042  | 3.6720 | 38.092  | 80.672  |

|    |         |         |        |         |         |        |         |         |
|----|---------|---------|--------|---------|---------|--------|---------|---------|
| #1 | -.00072 | -.00009 | 91.335 | .00048  | -.00059 | 24.385 | -.00052 | -.02696 |
| #2 | -.00174 | .00077  | 85.583 | -.00019 | -.00059 | 23.151 | -.00030 | -.00738 |

|        |         |         |        |         |        |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00435 | -.00585 | .00004 | -.00059 | .00427 | -.0038 | .00269 | 2.0235 |
| Stddev | .00066  | .00072  | .00041 | .00114  | .00204 | .0002  | .00013 | .0542  |
| %RSD   | 15.238  | 12.372  | 1138.8 | 191.33  | 47.709 | 6.159  | 4.9569 | 2.6806 |

|    |         |         |         |         |        |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|--------|
| #1 | -.00482 | -.00534 | -.00025 | .00021  | .00572 | -.0036 | .00278 | 1.9852 |
| #2 | -.00388 | -.00636 | .00033  | -.00140 | .00283 | -.0040 | .00260 | 2.0619 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .92431 |
| Stddev | .58483 |
| %RSD   | 63.272 |

|    |        |
|----|--------|
| #1 | .51077 |
| #2 | 1.3378 |

Sample Name: J4878-05      Acquired: 10/3/2018 14:28:47      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3127.9 | 67928. | 5263.1 | 113.67 | 4292.7 |
| Stddev    | 47.8   | 233.   | 221.5  | 5.33   | 61.5   |
| %RSD      | 1.5269 | .34370 | 4.2089 | 4.6871 | 1.4335 |
| #1        | 3161.7 | 68094. | 5106.5 | 109.91 | 4336.3 |
| #2        | 3094.1 | 67763. | 5419.7 | 117.44 | 4249.2 |

Sample Name: J4878-07      Acquired: 10/3/2018 14:32:50      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00566 | -.00134 | -.00039 | -.00020 | -.00085 | .00896 | .00032 | .00002 |
| Stddev | .00270  | .00009  | .00015  | .00167  | .00117  | .00846 | .00010 | .00012 |
| %RSD   | 47.611  | 6.6879  | 37.269  | 815.42  | 138.21  | 94.370 | 31.163 | 647.98 |

|    |         |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|---------|--------|--------|---------|
| #1 | -.00376 | -.00140 | -.00050 | -.00139 | -.00168 | .00298 | .00025 | .00010  |
| #2 | -.00757 | -.00128 | -.00029 | .00098  | -.00002 | .01494 | .00040 | -.00006 |

|        |        |        |         |         |         |         |         |        |
|--------|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00010 | .01576 | -.00050 | -.00013 | -.00012 | -.02398 | -.00026 | .01433 |
| Stddev | .00005 | .00170 | .00006  | .00007  | .00026  | .00495  | .00000  | .00510 |
| %RSD   | 46.139 | 10.800 | 11.411  | 57.184  | 208.00  | 20.649  | .57436  | 35.585 |

|    |        |        |         |         |         |         |         |        |
|----|--------|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00014 | .01455 | -.00046 | -.00018 | -.00031 | -.02048 | -.00026 | .01072 |
| #2 | .00007 | .01696 | -.00054 | -.00008 | .00006  | -.02748 | -.00027 | .01793 |

|        |         |         |        |        |         |        |         |         |
|--------|---------|---------|--------|--------|---------|--------|---------|---------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00030 | -.00044 | 45.981 | .00029 | -.00068 | .03040 | -.00057 | -.01404 |
| Stddev | .00021  | .00065  | .553   | .00048 | .00007  | .03877 | .00005  | .01258  |
| %RSD   | 70.792  | 147.91  | 1.2032 | 165.21 | 10.093  | 127.51 | 7.9290  | 89.575  |

|    |         |         |        |         |         |        |         |         |
|----|---------|---------|--------|---------|---------|--------|---------|---------|
| #1 | -.00015 | -.00090 | 46.372 | -.00005 | -.00073 | .05782 | -.00060 | -.00515 |
| #2 | -.00044 | .00002  | 45.590 | .00063  | -.00064 | .00299 | -.00054 | -.02294 |

|        |        |        |         |        |        |        |         |        |
|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00150 | 26.414 | -.00018 | .00208 | .00074 | -.0007 | -.00005 | 1.1381 |
| Stddev | .00260 | .091   | .00047  | .00175 | .00148 | .0012  | .00008  | 1.6032 |
| %RSD   | 173.16 | .34426 | 260.14  | 84.310 | 201.09 | 190.0  | 171.32  | 140.87 |

|    |         |        |         |        |         |        |         |        |
|----|---------|--------|---------|--------|---------|--------|---------|--------|
| #1 | .00335  | 26.478 | .00015  | .00332 | -.00031 | -.0015 | -.00010 | .00445 |
| #2 | -.00034 | 26.349 | -.00051 | .00084 | .00178  | .0002  | .00001  | 2.2717 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .41022 |
| Stddev | .81396 |
| %RSD   | 198.42 |

|    |         |
|----|---------|
| #1 | -.16534 |
| #2 | .98578  |

Sample Name: J4878-07      Acquired: 10/3/2018 14:32:50      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3176.3 | 68904. | 5543.2 | 121.10 | 4500.8 |
| Stddev    | .5     | 1961.  | 49.4   | 2.65   | 2.0    |
| %RSD      | .01604 | 2.8460 | .89058 | 2.1896 | .04360 |
| #1        | 3175.9 | 70290. | 5508.3 | 119.22 | 4502.2 |
| #2        | 3176.6 | 67517. | 5578.1 | 122.97 | 4499.4 |

Sample Name: J4878-01      Acquired: 10/3/2018 14:36:52      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: 1 TO 100

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .31289 | .46791 | .78007 | .87228 | .18612 | 1.3393 | 1.6434 | .32571 |
| Stddev | .00157 | .00065 | .00151 | .00948 | .00123 | .0097  | .0100  | .00047 |
| %RSD   | .50232 | .13863 | .19393 | 1.0864 | .65977 | .72726 | .60584 | .14388 |
| #1     | .31400 | .46837 | .78114 | .87898 | .18525 | 1.3324 | 1.6505 | .32538 |
| #2     | .31178 | .46745 | .77900 | .86558 | .18699 | 1.3462 | 1.6364 | .32604 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .42490 | .01527 | .71717 | .37647 | .68951 | 2.5115 | .94667 | -.00157 |
| Stddev | .00010 | .00344 | .00121 | .00035 | .00023 | .0372  | .00084 | .03092  |
| %RSD   | .02443 | 22.556 | .16901 | .09337 | .03271 | 1.4814 | .08870 | 1971.5  |
| #1     | .42497 | .01770 | .71631 | .37672 | .68967 | 2.4852 | .94607 | .02029  |
| #2     | .42483 | .01283 | .71803 | .37622 | .68935 | 2.5378 | .94726 | -.02343 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.7767 | .38161 | .03849 | .90494 | 1.6307 | .02757 | .16152 | .92906 |
| Stddev | .0029  | .00065 | .00600 | .00453 | .0006  | .00179 | .00020 | .00704 |
| %RSD   | .16426 | .16923 | 15.600 | .50047 | .03490 | 6.4957 | .12627 | .75824 |
| #1     | 1.7747 | .38115 | .04274 | .90174 | 1.6303 | .02884 | .16138 | .92408 |
| #2     | 1.7788 | .38207 | .03424 | .90814 | 1.6311 | .02631 | .16166 | .93404 |

|        |         |        |         |         |        |        |        |         |
|--------|---------|--------|---------|---------|--------|--------|--------|---------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00631 | .11008 | -.00077 | -.00184 | .00284 | .0046  | .19805 | <.00000 |
| Stddev | .00236  | .00314 | .00019  | .00016  | .00194 | .0045  | .00038 | .25896  |
| %RSD   | 37.385  | 2.8539 | 24.357  | 8.5137  | 68.167 | 99.82  | .19323 | 36.272  |
| #1     | -.00464 | .10786 | -.00064 | -.00173 | .00147 | .0078  | .19832 | -.53084 |
| #2     | -.00798 | .11230 | -.00091 | -.00195 | .00421 | .0013  | .19778 | -.89707 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .91298 |
| Stddev | .51748 |
| %RSD   | 56.681 |
| #1     | .54706 |
| #2     | 1.2789 |

Sample Name: J4878-01      Acquired: 10/3/2018 14:36:52      Type: Unk  
 Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment: 1 TO 100

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3143.4 | 70152. | 5543.9 | 119.78 | 4483.7 |
| Stddev    | 4.1    | 76.    | 62.1   | .08    | 1.2    |
| %RSD      | .13176 | .10845 | 1.1193 | .06530 | .02708 |
| #1        | 3146.4 | 70206. | 5500.0 | 119.84 | 4484.6 |
| #2        | 3140.5 | 70099. | 5587.8 | 119.73 | 4482.9 |



Sample Name: CCV02      Acquired: 10/3/2018 14:47:34      Type: Unk  
Method: P4-ICP2(v2474)      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    | 4.9964 | 5.0377 | 5.0014 | 5.0797 | 5.1326 | 10.076 | 10.416 |
| Stddev | .0048  | .0094  | .0057  | .0041  | .0065  | .150   | .025   |
| %RSD   | .09569 | .18566 | .11313 | .08015 | .12669 | 1.4861 | .24304 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.9930 | 5.0311 | 5.0054 | 5.0826 | 5.1372 | 9.9702 | 10.434 |
| #2 | 4.9998 | 5.0444 | 4.9974 | 5.0768 | 5.1280 | 10.182 | 10.398 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25129 | 2.4996 | 25.512 | 1.0130 | 2.5215 | 1.2753 | 5.0601 |
| Stddev | .00322 | .0007  | .087   | .0158  | .0007  | .0021  | .0019  |
| %RSD   | 1.2821 | .02677 | .33979 | 1.5596 | .02686 | .16762 | .03647 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .24901 | 2.4991 | 25.573 | 1.0018 | 2.5210 | 1.2738 | 5.0614 |
| #2 | .25357 | 2.5001 | 25.450 | 1.0242 | 2.5220 | 1.2768 | 5.0588 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5316 | 25.334 | 2.5310 | 1.2654 | 25.557 | 2.5249 | 2.5260 |
| Stddev | .0379  | .037   | .0026  | .0182  | .055   | .0377  | .0155  |
| %RSD   | 1.4958 | .14755 | .10171 | 1.4389 | .21487 | 1.4938 | .61328 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.5048 | 25.308 | 2.5328 | 1.2526 | 25.595 | 2.4982 | 2.5151 |
| #2 | 2.5584 | 25.361 | 2.5292 | 1.2783 | 25.518 | 2.5516 | 2.5370 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 25.724 | 5.0974 | 5.0835 | 5.0006 | 5.1024 | 5.0700 | 5.1284 |
| Stddev | .014   | .0049  | .0276  | .0026  | .0027  | .0012  | .0174  |
| %RSD   | .05422 | .09656 | .54201 | .05118 | .05246 | .02319 | .33956 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 25.714 | 5.0939 | 5.0640 | 4.9988 | 5.1043 | 5.0691 | 5.1407 |
| #2 | 25.734 | 5.1008 | 5.1030 | 5.0024 | 5.1005 | 5.0708 | 5.1161 |

|        |        |        |        |          |          |  |  |
|--------|--------|--------|--------|----------|----------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |  |  |
| Avg    | 4.6525 | 5.115  | 5.2350 | F 1.4007 | F 2.9628 |  |  |
| Stddev | .0005  | .019   | .0049  | .5025    | .1316    |  |  |
| %RSD   | .01007 | .3670  | .09295 | 35.876   | 4.4406   |  |  |

|    |        |       |        |        |        |  |  |
|----|--------|-------|--------|--------|--------|--|--|
| #1 | 4.6522 | 5.102 | 5.2384 | 1.0454 | 3.0558 |  |  |
| #2 | 4.6528 | 5.129 | 5.2315 | 1.7560 | 2.8698 |  |  |

Sample Name: CCV02      Acquired: 10/3/2018 14:47:34      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3052.7 | 67899. | 5481.8 | 116.62 | 4117.8 |
| Stddev    | 9.4    | 794.   | 21.6   | .41    | 13.2   |
| %RSD      | .30784 | 1.1693 | .39415 | .34853 | .32086 |
| #1        | 3046.1 | 68460. | 5466.5 | 116.90 | 4108.4 |
| #2        | 3059.4 | 67338. | 5497.1 | 116.33 | 4127.1 |

Sample Name: CCB02      Acquired: 10/3/2018 14:51:16      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |         |
|--------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00296 | -.00123 | .00010 | -.00012 | .00060 | .01311 | -.00015 |
| Stddev | .00210  | .00016  | .00007 | .00199  | .00096 | .00983 | .00071  |
| %RSD   | 71.019  | 13.300  | 66.315 | 1724.3  | 160.34 | 74.989 | 473.64  |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | -.00147 | -.00134 | .00015 | .00129  | -.00008 | .02006 | -.00065 |
| #2 | -.00445 | -.00111 | .00005 | -.00152 | .00128  | .00616 | .00035  |

|        |        |        |        |         |         |         |         |
|--------|--------|--------|--------|---------|---------|---------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00007 | .00003 | .01602 | -.00067 | -.00020 | -.00016 | -.00483 |
| Stddev | .00004 | .00001 | .00144 | .00031  | .00017  | .00014  | .00276  |
| %RSD   | 66.231 | 37.806 | 9.0092 | 46.035  | 87.612  | 87.199  | 57.193  |

|    |        |        |        |         |         |         |         |
|----|--------|--------|--------|---------|---------|---------|---------|
| #1 | .00010 | .00002 | .01704 | -.00088 | -.00032 | -.00026 | -.00287 |
| #2 | .00003 | .00004 | .01500 | -.00045 | -.00007 | -.00006 | -.00678 |

|        |        |         |         |         |         |         |         |
|--------|--------|---------|---------|---------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00043 | -.01346 | -.00006 | -.00037 | -.00703 | -.00028 | -.00049 |
| Stddev | .00002 | .01246  | .00025  | .00003  | .00350  | .00018  | .00008  |
| %RSD   | 3.9832 | 92.609  | 411.43  | 8.4452  | 49.757  | 64.356  | 16.115  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00042 | -.02227 | .00011  | -.00035 | -.00456 | -.00015 | -.00054 |
| #2 | .00044 | -.00464 | -.00023 | -.00040 | -.00951 | -.00041 | -.00043 |

|        |         |        |         |         |         |        |         |
|--------|---------|--------|---------|---------|---------|--------|---------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820  | Si2881  | Sn1899 | Ti3361  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.01063 | .00013 | -.01488 | -.00230 | -.00029 | .00027 | -.00032 |
| Stddev | .03417  | .00010 | .00166  | .00320  | .00469  | .00000 | .00093  |
| %RSD   | 321.49  | 78.538 | 11.191  | 139.53  | 1641.2  | .29086 | 287.10  |

|    |         |        |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|--------|---------|
| #1 | .01353  | .00021 | -.01370 | -.00003 | -.00360 | .00027 | .00033  |
| #2 | -.03479 | .00006 | -.01606 | -.00456 | .00303  | .00027 | -.00098 |

|        |        |        |         |          |          |
|--------|--------|--------|---------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg    | .00336 | -.0039 | -.00003 | F<.00000 | F<.00000 |
| Stddev | .00120 | .0016  | .00010  | .53859   | .22220   |
| %RSD   | 35.818 | 40.40  | 385.38  | 21.937   | 60.548   |

|    |        |        |         |         |         |
|----|--------|--------|---------|---------|---------|
| #1 | .00421 | -.0028 | -.00009 | -2.0743 | -.52411 |
| #2 | .00251 | -.0050 | .00004  | -2.8359 | -.20987 |

Sample Name: CCB02      Acquired: 10/3/2018 14:51:16      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3206.2 | 71569. | 5590.6 | 122.51 | 4586.0 |
| Stddev    | 18.6   | 338.   | 39.7   | 1.21   | 26.0   |
| %RSD      | .58025 | .47158 | .70938 | .98951 | .56688 |
| #1        | 3219.4 | 71330. | 5562.6 | 121.65 | 4604.4 |
| #2        | 3193.1 | 71807. | 5618.7 | 123.37 | 4567.6 |

Sample Name: J4879-03      Acquired: 10/3/2018 14:55:21      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |         |        |         |
|--------|--------|---------|---------|---------|---------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00002 | -.00276 | -.00083 | -.00194 | -.00185 | .06073 | -.00047 |
| Stddev | .00016 | .00024  | .00028  | .00206  | .00057  | .00110 | .00015  |
| %RSD   | 652.57 | 8.5366  | 34.101  | 106.04  | 31.009  | 1.8035 | 31.919  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00013  | -.00259 | -.00102 | -.00340 | -.00226 | .06151 | -.00058 |
| #2 | -.00009 | -.00293 | -.00063 | -.00049 | -.00145 | .05996 | -.00036 |

|        |         |        |        |         |         |         |         |
|--------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00004 | .00001 | .03124 | -.00044 | -.00022 | -.00029 | -.00064 |
| Stddev | .00007  | .00013 | .00809 | .00037  | .00011  | .00020  | .01096  |
| %RSD   | 164.23  | 1272.0 | 25.908 | 84.574  | 48.552  | 70.915  | 1701.6  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00001  | -.00008 | .03696 | -.00071 | -.00014 | -.00043 | -.00840 |
| #2 | -.00009 | .00010  | .02551 | -.00018 | -.00030 | -.00014 | .00711  |

|        |        |         |         |         |        |        |         |
|--------|--------|---------|---------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00021 | -.00578 | -.00015 | -.00024 | .15363 | .00020 | -.00028 |
| Stddev | .00009 | .04444  | .00007  | .00049  | .00605 | .00016 | .00001  |
| %RSD   | 40.900 | 769.03  | 45.237  | 203.23  | 3.9376 | 80.622 | 3.4802  |

|    |        |         |         |         |        |        |         |
|----|--------|---------|---------|---------|--------|--------|---------|
| #1 | .00028 | .02565  | -.00019 | .00010  | .14935 | .00032 | -.00027 |
| #2 | .00015 | -.03720 | -.00010 | -.00059 | .15791 | .00009 | -.00029 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664  | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.02360 | -.00027 | .17283 | .00018 | 1.3189 | 1.7713 | .28648 |
| Stddev | .03353  | .00007  | .00815 | .00183 | .0123  | .0005  | .00279 |
| %RSD   | 142.04  | 25.944  | 4.7171 | 994.58 | .93331 | .02706 | .97374 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.04731 | -.00022 | .16706 | -.00111 | 1.3276 | 1.7717 | .28451 |
| #2 | .00010  | -.00032 | .17859 | .00148  | 1.3102 | 1.7710 | .28845 |

|        |        |        |         |          |         |
|--------|--------|--------|---------|----------|---------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859  |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm     |
| Avg    | .00213 | -.0025 | -.00005 | F<.00000 | <.00000 |
| Stddev | .00301 | .0020  | .00008  | .08135   | .10904  |
| %RSD   | 141.43 | 79.22  | 161.16  | 3.3438   | 79.537  |

|    |         |        |         |         |         |
|----|---------|--------|---------|---------|---------|
| #1 | -.00000 | -.0040 | .00001  | -2.3754 | -.05999 |
| #2 | .00425  | -.0011 | -.00011 | -2.4905 | -.21419 |

Sample Name: J4879-03      Acquired: 10/3/2018 14:55:21      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3222.8 | 72096. | 5621.2 | 121.84 | 4596.6 |
| Stddev    | 2.7    | 180.   | 35.6   | 1.65   | 3.7    |
| %RSD      | .08314 | .24969 | .63268 | 1.3564 | .08143 |
| #1        | 3220.9 | 71969. | 5596.1 | 123.01 | 4594.0 |
| #2        | 3224.7 | 72224. | 5646.4 | 120.67 | 4599.2 |

Sample Name: J4878-03      Acquired: 10/3/2018 14:59:23      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00309 | -.00433 | -.00129 | .00127 | -.00349 | .05237 | -.00073 |
| Stddev | .00097  | .00085  | .00070  | .00059 | .00034  | .00788 | .00077  |
| %RSD   | 31.250  | 19.556  | 54.352  | 46.856 | 9.7116  | 15.039 | 106.01  |

|    |         |         |         |        |         |        |         |
|----|---------|---------|---------|--------|---------|--------|---------|
| #1 | -.00241 | -.00373 | -.00080 | .00085 | -.00373 | .04680 | -.00018 |
| #2 | -.00377 | -.00493 | -.00179 | .00169 | -.00325 | .05794 | -.00128 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00003 | .00002 | .02346 | -.00103 | .00008 | -.00043 | .00139 |
| Stddev | .00001 | .00001 | .00139 | .00036  | .00006 | .00000  | .01295 |
| %RSD   | 47.592 | 84.181 | 5.9410 | 35.434  | 76.066 | .19076  | 932.48 |

|    |        |        |        |         |        |         |         |
|----|--------|--------|--------|---------|--------|---------|---------|
| #1 | .00002 | .00001 | .02445 | -.00077 | .00004 | -.00043 | .01054  |
| #2 | .00003 | .00003 | .02248 | -.00128 | .00012 | -.00043 | -.00777 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00011 | -.01797 | .00018 | .00023 | .14183 | .00008 | -.00008 |
| Stddev | .00001 | .02352  | .00093 | .00009 | .00374 | .00008 | .00007  |
| %RSD   | 6.1968 | 130.90  | 525.95 | 37.408 | 2.6397 | 94.452 | 87.943  |

|    |        |         |         |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|---------|
| #1 | .00012 | -.00134 | .00083  | .00029 | .14448 | .00014 | -.00013 |
| #2 | .00011 | -.03460 | -.00048 | .00017 | .13918 | .00003 | -.00003 |

|        |         |         |        |         |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | K_7664  | Mo2020  | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00219 | -.00014 | .16915 | -.00436 | 1.3274 | 1.7871 | .28857 |
| Stddev | .01093  | .00027  | .01595 | .00095  | .0016  | .0076  | .00224 |
| %RSD   | 497.95  | 190.03  | 9.4304 | 21.757  | .11817 | .42352 | .77688 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00992 | .00005  | .18043 | -.00369 | 1.3285 | 1.7818 | .28699 |
| #2 | .00553  | -.00033 | .15787 | -.00503 | 1.3263 | 1.7925 | .29016 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .00408 | -.0017 | .00001 | F<.00000 | .53546 |  |  |
| Stddev | .00051 | .0010  | .00011 | .00418   | .41581 |  |  |
| %RSD   | 12.435 | 57.19  | 790.21 | .19413   | 77.655 |  |  |

|    |        |        |         |         |        |  |  |
|----|--------|--------|---------|---------|--------|--|--|
| #1 | .00444 | -.0025 | .00010  | -2.1510 | .82949 |  |  |
| #2 | .00372 | -.0010 | -.00007 | -2.1570 | .24144 |  |  |

Sample Name: J4878-03      Acquired: 10/3/2018 14:59:23      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3216.4 | 71624. | 5597.6 | 120.00 | 4580.9 |
| Stddev    | 5.8    | 3.     | 12.5   | 1.76   | 9.6    |
| %RSD      | .18052 | .00443 | .22336 | 1.4686 | .21003 |
| #1        | 3212.3 | 71622. | 5588.7 | 118.76 | 4574.1 |
| #2        | 3220.6 | 71626. | 5606.4 | 121.25 | 4587.7 |



Sample Name: J5026-01      Acquired: 10/3/2018 15:03:27      Type: Unk  
Method: P4-ICP2(v2474)      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 | -.00260 | .00019 | .00029 | -.00219 | .02625 | -.00040 | .00002 |
| Stddev | .00062 | .00076  | .00011 | .00416 | .00105  | .00763 | .00039  | .00012 |
| %RSD   | 522.20 | 29.227  | 56.521 | 1432.7 | 48.194  | 29.073 | 99.867  | 776.42 |

|    |         |         |        |         |         |        |         |         |
|----|---------|---------|--------|---------|---------|--------|---------|---------|
| #1 | .00056  | -.00206 | .00012 | -.00265 | -.00293 | .02085 | -.00012 | .00010  |
| #2 | -.00032 | -.00314 | .00027 | .00323  | -.00144 | .03164 | -.00067 | -.00007 |

|        |         |        |        |         |         |         |        |        |
|--------|---------|--------|--------|---------|---------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00004 | 59.447 | .00016 | -.00008 | -.00040 | -.00560 | .00007 | .02530 |
| Stddev | .00004  | .337   | .00014 | .00001  | .00033  | .00999  | .00000 | .00341 |
| %RSD   | 110.66  | .56726 | 87.770 | 16.711  | 83.797  | 178.22  | 6.2556 | 13.469 |

|    |         |        |        |         |         |         |        |        |
|----|---------|--------|--------|---------|---------|---------|--------|--------|
| #1 | -.00007 | 59.686 | .00026 | -.00009 | -.00063 | .00146  | .00007 | .02771 |
| #2 | -.00001 | 59.209 | .00006 | -.00007 | -.00016 | -.01267 | .00007 | .02289 |

|        |         |         |        |        |         |        |         |        |
|--------|---------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00005 | -.00013 | .01066 | .00054 | -.00054 | .02887 | -.00040 | .00244 |
| Stddev | .00004  | .00017  | .00175 | .00004 | .00009  | .02861 | .00008  | .00266 |
| %RSD   | 91.307  | 130.15  | 16.407 | 6.8258 | 16.807  | 99.113 | 19.449  | 108.99 |

|    |         |         |        |        |         |        |         |        |
|----|---------|---------|--------|--------|---------|--------|---------|--------|
| #1 | -.00002 | -.00001 | .00942 | .00052 | -.00048 | .00864 | -.00034 | .00433 |
| #2 | -.00008 | -.00025 | .01190 | .00057 | -.00061 | .04910 | -.00045 | .00056 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00156 | .03475 | .00056 | -.00236 | .00245 | -.0012 | .01724 | .09097 |
| Stddev | .00339  | .00261 | .00089 | .00093  | .00079 | .0029  | .00005 | .12794 |
| %RSD   | 217.98  | 7.5049 | 156.96 | 39.180  | 32.381 | 246.2  | .29343 | 140.64 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00084  | .03660 | -.00006 | -.00302 | .00189 | .0009  | .01720 | .18143 |
| #2 | -.00396 | .03291 | .00119  | -.00171 | .00302 | -.0032 | .01728 | .00050 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .43858 |
| Stddev | 1.1448 |
| %RSD   | 261.03 |

|    |         |
|----|---------|
| #1 | 1.2481  |
| #2 | -.37093 |

Sample Name: J5026-01      Acquired: 10/3/2018 15:03:27      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3131.3 | 69449. | 5571.9 | 123.23 | 4445.9 |
| Stddev    | 1.9    | 45.    | 63.9   | 1.29   | 1.1    |
| %RSD      | .05933 | .06436 | 1.1476 | 1.0507 | .02364 |
| #1        | 3130.0 | 69417. | 5526.7 | 124.15 | 4446.7 |
| #2        | 3132.6 | 69480. | 5617.1 | 122.32 | 4445.2 |

Sample Name: J5026-02      Acquired: 10/3/2018 15:07:32      Type: Unk  
Method: P4-ICP2(v2474)      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    | .00909 | .00477 | .04708 | .06497 | .02079 | .33969 | 2.8571 |
| Stddev | .00123 | .00069 | .00077 | .00214 | .00238 | .00051 | .0003  |
| %RSD   | 13.490 | 14.526 | 1.6366 | 3.2954 | 11.443 | .15130 | .00968 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00996 | .00526 | .04654 | .06345 | .02248 | .34006 | 2.8573 |
| #2 | .00822 | .00428 | .04763 | .06648 | .01911 | .33933 | 2.8569 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00481 | .04261 | .01880 | .18979 | .00010 | 1.3747 | .88264 |
| Stddev | .00001 | .00013 | .00890 | .00081 | .00035 | .0036  | .03507 |
| %RSD   | .23749 | .30306 | 47.313 | .42634 | 352.97 | .26212 | 3.9730 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .00480 | .04270 | .02509 | .18922 | -.00015 | 1.3773 | .85784 |
| #2 | .00482 | .04252 | .01251 | .19036 | .00035  | 1.3722 | .90744 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .15646 | -.00308 | .13949 | .25553 | .01527 | .22270 | .32764 |
| Stddev | .00041 | .05124  | .00041 | .00097 | .00210 | .00077 | .00002 |
| %RSD   | .26462 | 1662.0  | .29409 | .38011 | 13.764 | .34530 | .00638 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .15617 | -.03932 | .13920 | .25484 | .01379 | .22324 | .32765 |
| #2 | .15676 | .03315  | .13978 | .25621 | .01676 | .22216 | .32763 |

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | K_7664  | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.03563 | .06948 | .89345 | -.00297 | .05204 | .00124 | .00035 |
| Stddev | .04606  | .00061 | .00857 | .00017  | .00139 | .00164 | .00036 |
| %RSD   | 129.28  | .88302 | .95956 | 5.5799  | 2.6651 | 131.90 | 102.27 |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00306 | .06991 | .88738 | -.00309 | .05106 | .00240 | .00010 |
| #2 | -.06820 | .06905 | .89951 | -.00285 | .05302 | .00008 | .00060 |

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .00340 | .0008  | -.00002 | <.00000 | F<.00000 |
| Stddev | .00060 | .0005  | .00010  | .26028  | .03683   |
| %RSD   | 17.640 | 64.78  | 587.80  | 26.124  | .88462   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .00383 | .0011 | -.00008 | -1.1804 | -4.1368 |
| #2 | .00298 | .0004 | .00005  | -.81227 | -4.1889 |

Sample Name: J5026-02      Acquired: 10/3/2018 15:07:32      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3167.6 | 70278. | 5506.7 | 119.55 | 4517.8 |
| Stddev    | 8.5    | 162.   | 37.4   | .19    | 10.1   |
| %RSD      | .26955 | .23014 | .67991 | .16136 | .22333 |
| #1        | 3161.5 | 70392. | 5480.3 | 119.41 | 4510.6 |
| #2        | 3173.6 | 70163. | 5533.2 | 119.68 | 4524.9 |

Sample Name: J5026-03      Acquired: 10/3/2018 15:11:30      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00072 | -.00173 | .00133 | .00015 | -.00215 | .00410 | -.00000 | .00004 |
| Stddev | .00020  | .00103  | .00000 | .00054 | .00030  | .00894 | .00052  | .00001 |
| %RSD   | 27.764  | 59.929  | .04113 | 359.28 | 13.912  | 218.10 | 23195.  | 23.195 |

|    |         |         |        |         |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|---------|--------|
| #1 | -.00058 | -.00246 | .00133 | -.00023 | -.00236 | .01042  | .00037  | .00005 |
| #2 | -.00086 | -.00099 | .00133 | .00054  | -.00194 | -.00222 | -.00037 | .00004 |

|        |         |        |         |         |         |        |        |        |
|--------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 35.266 | -.00031 | -.00017 | -.00010 | .00194 | .00025 | 5.8976 |
| Stddev | .00004  | .097   | .00074  | .00003  | .00044  | .01148 | .00011 | .0471  |
| %RSD   | 60.787  | .27567 | 237.68  | 15.988  | 453.60  | 590.68 | 42.108 | .79778 |

|    |         |        |         |         |         |         |        |        |
|----|---------|--------|---------|---------|---------|---------|--------|--------|
| #1 | -.00010 | 35.197 | .00021  | -.00019 | -.00041 | -.00617 | .00018 | 5.8644 |
| #2 | -.00004 | 35.335 | -.00084 | -.00015 | .00021  | .01006  | .00033 | 5.9309 |

|        |         |        |        |         |         |        |         |        |
|--------|---------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00050 | .00009 | 16.742 | -.00038 | -.00035 | 14.807 | -.00054 | .00765 |
| Stddev | .00020  | .00058 | .092   | .00001  | .00007  | .009   | .00018  | .01342 |
| %RSD   | 40.871  | 661.95 | .55031 | 1.3700  | 20.620  | .06258 | 34.032  | 175.43 |

|    |         |         |        |         |         |        |         |         |
|----|---------|---------|--------|---------|---------|--------|---------|---------|
| #1 | -.00064 | .00049  | 16.807 | -.00038 | -.00030 | 14.800 | -.00066 | .01714  |
| #2 | -.00035 | -.00032 | 16.677 | -.00037 | -.00040 | 14.814 | -.00041 | -.00184 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00071 | .03415 | .00034 | -.00084 | .00302 | -.0006 | .01037 | 1.4112 |
| Stddev | .00099  | .00277 | .00023 | .00102  | .00086 | .0004  | .00005 | .3674  |
| %RSD   | 138.69  | 8.1005 | 65.806 | 121.75  | 28.541 | 60.45  | .43646 | 26.035 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00001 | .03219 | .00050 | -.00156 | .00363 | -.0008 | .01040 | 1.6710 |
| #2 | -.00141 | .03610 | .00018 | -.00012 | .00241 | -.0003 | .01034 | 1.1514 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .60257 |
| Stddev | .20960 |
| %RSD   | 34.785 |

|    |        |
|----|--------|
| #1 | .75079 |
| #2 | .45436 |

Sample Name: J5026-03      Acquired: 10/3/2018 15:11:30      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3130.3 | 68865. | 5516.6 | 121.89 | 4387.2 |
| Stddev    | 10.1   | 330.   | 16.9   | 1.93   | 9.8    |
| %RSD      | .32249 | .47973 | .30689 | 1.5873 | .22255 |
| #1        | 3123.1 | 68631. | 5504.6 | 120.52 | 4380.3 |
| #2        | 3137.4 | 69098. | 5528.6 | 123.25 | 4394.1 |

Sample Name: J5169-01      Acquired: 10/3/2018 15:15:32      Type: Unk  
Method: P4-ICP2(v2474)      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    | .04250 | -.01152 | .25310 | -.01332 | -.00141 | 71.765 | .40793 |
| Stddev | .00068 | .00027  | .00023 | .00013  | .00084  | .315   | .00250 |
| %RSD   | 1.6035 | 2.3664  | .09040 | .96062  | 59.727  | .43952 | .61402 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .04298 | -.01171 | .25326 | -.01341 | -.00200 | 71.988 | .40970 |
| #2 | .04202 | -.01132 | .25294 | -.01323 | -.00081 | 71.542 | .40616 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00454 | -.00320 | 35.781 | .20727 | .11199 | .17746 | 152.73 |
| Stddev | .00014 | .00015  | .189   | .00027 | .00033 | .00044 | .51    |
| %RSD   | 3.0057 | 4.5530  | .52874 | .13175 | .29218 | .24605 | .33708 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00463 | -.00310 | 35.915 | .20707 | .11176 | .17777 | 153.10 |
| #2 | .00444 | -.00330 | 35.647 | .20746 | .11223 | .17715 | 152.37 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.6260 | 32.227 | .66455 | -.00204 | 1.9226 | .18240 | .42894 |
| Stddev | .0004  | .246   | .00106 | .00064  | .0083  | .00095 | .00186 |
| %RSD   | .01578 | .76370 | .15877 | 31.522  | .43248 | .51992 | .43257 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.6263 | 32.401 | .66380 | -.00249 | 1.9285 | .18307 | .42763 |
| #2 | 2.6257 | 32.053 | .66530 | -.00158 | 1.9167 | .18173 | .43025 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.2219 | .01594 | .04383 | 1.7109 | 6.5089 | .01454 | 1.9461 |
| Stddev | .0027  | .00005 | .01499 | .0037  | .0036  | .00105 | .0121  |
| %RSD   | .04279 | .33936 | 34.198 | .21566 | .05528 | 7.2371 | .62195 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.2238 | .01598 | .05443 | 1.7083 | 6.5064 | .01379 | 1.9546 |
| #2 | 6.2200 | .01590 | .03323 | 1.7136 | 6.5115 | .01528 | 1.9375 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .09066 | 2.346  | .14596 | F<.00000 | 28.232 |  |  |
| Stddev | .00039 | .001   | .00080 | .48171   | .342   |  |  |
| %RSD   | .42512 | .0513  | .55136 | 13.859   | 1.2100 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .09039 | 2.347 | .14653 | -3.1352 | 27.990 |  |  |
| #2 | .09093 | 2.346 | .14539 | -3.8165 | 28.473 |  |  |

Sample Name: J5169-01      Acquired: 10/3/2018 15:15:32      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3326.7 | 73957. | 6059.0 | 119.58 | 4245.8 |
| Stddev    | 11.3   | 123.   | 3.9    | .31    | 11.6   |
| %RSD      | .34045 | .16667 | .06508 | .25932 | .27234 |
| #1        | 3318.7 | 73870. | 6056.3 | 119.80 | 4237.6 |
| #2        | 3334.7 | 74044. | 6061.8 | 119.36 | 4254.0 |



Sample Name: PB113462BL      Acquired: 10/3/2018 15:19:22      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB113462BL      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |        |         |
|--------|---------|---------|---------|--------|---------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00365 | -.00196 | -.00063 | .00290 | -.00069 | .01774 | -.00018 |
| Stddev | .00332  | .00087  | .00099  | .00139 | .00013  | .01305 | .00119  |
| %RSD   | 90.964  | 44.257  | 156.21  | 47.860 | 18.903  | 73.583 | 662.99  |

|    |         |         |         |        |         |        |         |
|----|---------|---------|---------|--------|---------|--------|---------|
| #1 | -.00130 | -.00134 | .00007  | .00192 | -.00078 | .02697 | -.00102 |
| #2 | -.00599 | -.00257 | -.00133 | .00388 | -.00060 | .00851 | .00066  |

|        |         |        |        |         |         |         |        |
|--------|---------|--------|--------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00002 | .00005 | .01774 | -.00043 | -.00007 | -.00037 | .00954 |
| Stddev | .00004  | .00001 | .02048 | .00041  | .00003  | .00002  | .00105 |
| %RSD   | 197.77  | 19.563 | 115.45 | 95.372  | 39.404  | 4.2902  | 11.043 |

|    |         |        |        |         |         |         |        |
|----|---------|--------|--------|---------|---------|---------|--------|
| #1 | -.00005 | .00004 | .03223 | -.00014 | -.00009 | -.00036 | .00880 |
| #2 | .00001  | .00006 | .00326 | -.00072 | -.00005 | -.00038 | .01029 |

|        |        |        |         |         |        |        |         |
|--------|--------|--------|---------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00003 | .04555 | -.00031 | -.00057 | .00462 | .00002 | -.00047 |
| Stddev | .00000 | .06677 | .00043  | .00060  | .00938 | .00019 | .00004  |
| %RSD   | .47897 | 146.57 | 140.73  | 104.99  | 203.31 | 922.69 | 8.2854  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00003 | .09277  | -.00000 | -.00099 | .01125  | .00016  | -.00044 |
| #2 | .00003 | -.00166 | -.00061 | -.00015 | -.00202 | -.00012 | -.00050 |

|        |        |         |         |         |        |         |         |
|--------|--------|---------|---------|---------|--------|---------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00360 | -.00076 | -.02146 | -.00186 | .00313 | -.00026 | -.00089 |
| Stddev | .01041 | .00022  | .00086  | .00389  | .00260 | .00060  | .00040  |
| %RSD   | 289.57 | 28.780  | 4.0061  | 208.80  | 83.149 | 231.36  | 44.836  |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | .01096  | -.00092 | -.02085 | -.00462 | .00129 | -.00068 | -.00061 |
| #2 | -.00377 | -.00061 | -.02207 | .00089  | .00497 | .00016  | -.00117 |

|        |        |        |         |          |          |
|--------|--------|--------|---------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg    | .00240 | -.0007 | -.00013 | F<.00000 | F<.00000 |
| Stddev | .00120 | .0013  | .00002  | .08390   | .15681   |
| %RSD   | 49.940 | 203.6  | 17.386  | 4.6581   | 165.18   |

|    |        |        |         |         |         |
|----|--------|--------|---------|---------|---------|
| #1 | .00325 | .0003  | -.00014 | -1.7418 | .01595  |
| #2 | .00155 | -.0016 | -.00011 | -1.8604 | -.20581 |

Sample Name: PB113462BL      Acquired: 10/3/2018 15:19:22      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB113462BL      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       | 3197.7 | 71314. | 5565.8 | 123.28 | 4574.4 |
| Stddev    | 1.2    | 173.   | 21.7   | 1.97   | 1.1    |
| %RSD      | .03648 | .24257 | .39055 | 1.5947 | .02397 |
| #1        | 3198.5 | 71436. | 5581.1 | 124.67 | 4573.7 |
| #2        | 3196.9 | 71192. | 5550.4 | 121.89 | 4575.2 |

Sample Name: PB113462BS      Acquired: 10/3/2018 15:23:25      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB113462BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75953 | 1.9983 | .96658 | 1.9775 | .78686 | 1.9502 | .20787 |
| Stddev | .00314 | .0070  | .00313 | .0026  | .00022 | .0112  | .00056 |
| %RSD   | .41378 | .35226 | .32430 | .13172 | .02853 | .57539 | .26935 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76176 | 1.9934 | .96436 | 1.9793 | .78671 | 1.9422 | .20826 |
| #2 | .75731 | 2.0033 | .96879 | 1.9757 | .78702 | 1.9581 | .20747 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19672 | .19329 | 1.0543 | .41374 | .19737 | .31106 | 3.1140 |
| Stddev | .00045 | .00051 | .0170  | .00177 | .00035 | .00063 | .0092  |
| %RSD   | .22827 | .26461 | 1.6131 | .42898 | .17540 | .20115 | .29474 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19640 | .19293 | 1.0663 | .41248 | .19713 | .31062 | 3.1075 |
| #2 | .19704 | .19365 | 1.0423 | .41499 | .19762 | .31150 | 3.1205 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20924 | 2.0778 | .50164 | .07225 | 3.1119 | .29842 | .20836 |
| Stddev | .00072 | .0606  | .00129 | .00005 | .0071  | .00103 | .00024 |
| %RSD   | .34174 | 2.9143 | .25804 | .06881 | .22757 | .34636 | .11438 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20873 | 2.1206 | .50072 | .07222 | 3.1069 | .29916 | .20853 |
| #2 | .20974 | 2.0350 | .50255 | .07229 | 3.1169 | .29769 | .20819 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.282 | .40063 | .29471 | F -.00416 | .94213 | .69732 | .20074 |
| Stddev | .019   | .00111 | .01093 | .00341    | .01366 | .00165 | .00483 |
| %RSD   | .18325 | .27617 | 3.7091 | 81.903    | 1.4501 | .23702 | 2.4047 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.296 | .39984 | .30244 | -.00175 | .93247 | .69616 | .19733 |
| #2 | 10.269 | .40141 | .28698 | -.00658 | .95179 | .69849 | .20416 |

|        |        |        |        |          |          |  |  |
|--------|--------|--------|--------|----------|----------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |  |  |
| Avg    | .21284 | 5.499  | .20933 | F<.00000 | F .98590 |  |  |
| Stddev | .00164 | .001   | .00077 | .17567   | .02531   |  |  |
| %RSD   | .76895 | .0217  | .36653 | 16.435   | 2.5676   |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .21400 | 5.498 | .20987 | -.94462 | .96800 |  |  |
| #2 | .21168 | 5.499 | .20879 | -1.1930 | 1.0038 |  |  |

Sample Name: PB113462BS      Acquired: 10/3/2018 15:23:25      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB113462BS      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       | 3148.3 | 70090. | 5522.4 | 118.39 | 4461.4 |
| Stddev    | 6.0    | 28.    | 9.8    | .57    | 4.8    |
| %RSD      | .18975 | .03978 | .17786 | .47738 | .10774 |
| #1        | 3144.0 | 70070. | 5515.5 | 117.99 | 4458.0 |
| #2        | 3152.5 | 70109. | 5529.4 | 118.79 | 4464.8 |

Sample Name: J5191-01      Acquired: 10/3/2018 15:27:13      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 155-CLAY      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .03372 | -.00268 | .18725 | -.00085 | -.00436 | 32.250 | 1.4417 |
| Stddev | .00207 | .00082  | .00077 | .00405  | .00065  | .034   | .0041  |
| %RSD   | 6.1408 | 30.513  | .41311 | 477.74  | 14.980  | .10616 | .28712 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .03519 | -.00326 | .18670 | -.00371 | -.00390 | 32.275 | 1.4388 |
| #2 | .03226 | -.00210 | .18780 | .00202  | -.00482 | 32.226 | 1.4447 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00993 | .00014 | 52.889 | .00269 | .00712 | .02399 | 24.411 |
| Stddev | .00005 | .00006 | .300   | .00037 | .00046 | .00062 | .097   |
| %RSD   | .50766 | 44.437 | .56766 | 13.721 | 6.5117 | 2.5853 | .39808 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00997 | .00018 | 52.677 | .00243 | .00745 | .02443 | 24.342 |
| #2 | .00990 | .00009 | 53.101 | .00295 | .00679 | .02355 | 24.479 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.5237 | 14.647 | .01359 | -.00220 | 33.944 | .01014 | .41002 |
| Stddev | .0009  | .025   | .00024 | .00008  | .144   | .00025 | .00080 |
| %RSD   | .06079 | .16883 | 1.7570 | 3.6954  | .42507 | 2.4915 | .19418 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.5244 | 14.629 | .01342 | -.00225 | 33.842 | .00996 | .41058 |
| #2 | 1.5231 | 14.664 | .01376 | -.00214 | 34.046 | .01032 | .40945 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.8792 | .00040 | .06803 | 4.9540 | 1.9347 | .00995 | .15518 |
| Stddev | .0386  | .00018 | .00574 | .0019  | .0346  | .00012 | .00404 |
| %RSD   | .43482 | 46.381 | 8.4305 | .03840 | 1.7897 | 1.2093 | 2.6051 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.8519 | .00053 | .07208 | 4.9553 | 1.9102 | .01003 | .15803 |
| #2 | 8.9065 | .00027 | .06397 | 4.9526 | 1.9592 | .00986 | .15232 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .03496 | 1.181  | .78740 | F<.00000 | 7.0978 |  |  |
| Stddev | .00006 | .004   | .00441 | .16219   | .1906  |  |  |
| %RSD   | .16331 | .3213  | .55978 | 3.8043   | 2.6853 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .03500 | 1.184 | .78429 | -4.1486 | 7.2325 |  |  |
| #2 | .03492 | 1.178 | .79052 | -4.3779 | 6.9630 |  |  |

Sample Name: J5191-01      Acquired: 10/3/2018 15:27:13      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 155-CLAY      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       | 3405.5 | 75636. | 6158.6 | 122.36 | 4309.2 |
| Stddev    | 16.6   | 343.   | 5.0    | .30    | 13.8   |
| %RSD      | .48870 | .45374 | .08188 | .24310 | .32136 |
| #1        | 3393.7 | 75393. | 6155.0 | 122.15 | 4299.4 |
| #2        | 3417.3 | 75879. | 6162.1 | 122.57 | 4319.0 |

Sample Name: J5191-05      Acquired: 10/3/2018 15:31:10      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 344-OILY-STO      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |        |        |
|--------|---------|---------|---------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00718 | -.02215 | -.03695 | -.01722 | -.00063 | 48.599 | .23993 |
| Stddev | .00311  | .00061  | .00122  | .00534  | .00137  | .404   | .00198 |
| %RSD   | 43.343  | 2.7636  | 3.2947  | 30.980  | 218.58  | .83155 | .82624 |

|    |         |         |         |         |         |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|
| #1 | -.00498 | -.02171 | -.03609 | -.02099 | -.00160 | 48.313 | .24133 |
| #2 | -.00938 | -.02258 | -.03781 | -.01345 | .00034  | 48.885 | .23853 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00312 | -.00464 | 52.775 | .06175 | .10463 | .75495 | 206.29 |
| Stddev | .00037 | .00015  | .164   | .00001 | .00039 | .00169 | 3.71   |
| %RSD   | 11.741 | 3.3251  | .30992 | .01427 | .37216 | .22436 | 1.8006 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00286 | -.00453 | 52.891 | .06174 | .10491 | .75614 | 203.66 |
| #2 | .00338 | -.00475 | 52.659 | .06175 | .10436 | .75375 | 208.91 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .93794 | 33.452 | .08620 | -.00327 | 1.4032 | .21220 | .34393 |
| Stddev | .00249 | .100   | .00001 | .00001  | .0103  | .00179 | .00370 |
| %RSD   | .26562 | .29928 | .01104 | .43745  | .73498 | .84121 | 1.0755 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .93618 | 33.523 | .08620 | -.00326 | 1.4105 | .21094 | .34131 |
| #2 | .93970 | 33.381 | .08619 | -.00328 | 1.3959 | .21346 | .34654 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 18.445 | .00997 | .05176 | 20.595 | 5.9279 | -.00662 | 3.9310 |
| Stddev | .131   | .00009 | .00076 | .031   | .0124  | .00004  | .0100  |
| %RSD   | .71062 | .89614 | 1.4595 | .15277 | .20939 | .54815  | .25488 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 18.538 | .01004 | .05230 | 20.617 | 5.9192 | -.00659 | 3.9239 |
| #2 | 18.353 | .00991 | .05123 | 20.572 | 5.9367 | -.00665 | 3.9380 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .10852 | 15.41  | .04391 | F<.00000 | 33.230 |  |  |
| Stddev | .00073 | .01    | .00025 | .04265   | .456   |  |  |
| %RSD   | .67458 | .0624  | .56241 | .44778   | 1.3713 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .10904 | 15.42 | .04409 | -9.5553 | 32.907 |  |  |
| #2 | .10800 | 15.40 | .04374 | -9.4950 | 33.552 |  |  |

Sample Name: J5191-05      Acquired: 10/3/2018 15:31:10      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 344-OILY-STO      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       | 3524.8 | 78759. | 6487.5 | 121.15 | 4212.7 |
| Stddev    | 4.6    | 82.    | 81.1   | 1.08   | 8.2    |
| %RSD      | .13177 | .10393 | 1.2504 | .89044 | .19548 |
| #1        | 3521.5 | 78701. | 6430.1 | 121.91 | 4206.9 |
| #2        | 3528.1 | 78817. | 6544.9 | 120.38 | 4218.6 |



Sample Name: CCV03      Acquired: 10/3/2018 15:35:03      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV13938      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0016 | 5.0706 | 5.0398 | 5.0957 | 5.1570 | 10.321 | 10.423 |
| Stddev | .0044  | .0143  | .0187  | .0037  | .0008  | .064   | .354   |
| %RSD   | .08814 | .28174 | .37062 | .07334 | .01549 | .61861 | 3.3920 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.9985 | 5.0605 | 5.0266 | 5.0931 | 5.1564 | 10.366 | 10.673 |
| #2 | 5.0048 | 5.0807 | 5.0531 | 5.0984 | 5.1576 | 10.276 | 10.173 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25509 | 2.5196 | 25.593 | 1.0304 | 2.5398 | 1.2823 | 5.0824 |
| Stddev | .00070 | .0091  | .802   | .0074  | .0097  | .0012  | .1117  |
| %RSD   | .27285 | .36173 | 3.1324 | .71973 | .38256 | .09509 | 2.1971 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25558 | 2.5132 | 26.159 | 1.0356 | 2.5329 | 1.2831 | 5.1614 |
| #2 | .25460 | 2.5261 | 25.026 | 1.0251 | 2.5467 | 1.2814 | 5.0035 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5733 | 25.399 | 2.5487 | 1.2875 | 25.673 | 2.5630 | 2.5099 |
| Stddev | .0092  | .698   | .0085  | .0057  | .794   | .0135  | .0507  |
| %RSD   | .35664 | 2.7490 | .33364 | .44461 | 3.0946 | .52605 | 2.0209 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.5798 | 25.893 | 2.5427 | 1.2916 | 26.235 | 2.5725 | 2.5458 |
| #2 | 2.5669 | 24.906 | 2.5547 | 1.2835 | 25.111 | 2.5535 | 2.4740 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 25.776 | 5.1455 | 5.1179 | 4.9910 | 5.0714 | 5.1153 | 5.1481 |
| Stddev | .800   | .0019  | .1258  | .0213  | .1282  | .0076  | .1358  |
| %RSD   | 3.1056 | .03592 | 2.4576 | .42573 | 2.5286 | .14895 | 2.6377 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 26.342 | 5.1468 | 5.2068 | 4.9760 | 5.1621 | 5.1099 | 5.2441 |
| #2 | 25.210 | 5.1442 | 5.0289 | 5.0060 | 4.9807 | 5.1207 | 5.0521 |

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | 4.6603 | 5.150  | 5.2386 | F 2.5579 | F 1.3856 |
| Stddev | .1630  | .020   | .1927  | .7319    | .2019    |
| %RSD   | 3.4976 | .3951  | 3.6791 | 28.611   | 14.568   |

|    |        |       |        |        |        |
|----|--------|-------|--------|--------|--------|
| #1 | 4.7756 | 5.136 | 5.3749 | 3.0755 | 1.2429 |
| #2 | 4.5451 | 5.164 | 5.1023 | 2.0404 | 1.5283 |

Sample Name: CCV03      Acquired: 10/3/2018 15:35:03      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV13938      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       | 3032.1 | 66810. | 5498.7 | 117.42 | 4088.0 |
| Stddev    | 6.7    | 407.   | 175.2  | 2.62   | 5.9    |
| %RSD      | .22241 | .60872 | 3.1869 | 2.2321 | .14491 |
| #1        | 3027.3 | 66523. | 5374.8 | 115.56 | 4092.2 |
| #2        | 3036.9 | 67098. | 5622.7 | 119.27 | 4083.8 |

Sample Name: CCB03      Acquired: 10/3/2018 15:38:47      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB13938      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |         |
|--------|---------|---------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00118 | -.00026 | .00016 | .00117 | .00122 | .00605 | -.00035 |
| Stddev | .00047  | .00052  | .00054 | .00012 | .00029 | .00316 | .00050  |
| %RSD   | 39.926  | 198.53  | 335.34 | 10.178 | 23.450 | 52.241 | 143.09  |

|    |         |         |         |        |        |        |         |
|----|---------|---------|---------|--------|--------|--------|---------|
| #1 | -.00151 | .00011  | .00054  | .00125 | .00102 | .00381 | -.00070 |
| #2 | -.00085 | -.00063 | -.00022 | .00108 | .00142 | .00828 | .00000  |

|        |         |         |        |         |        |         |        |
|--------|---------|---------|--------|---------|--------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00002 | -.00001 | .01343 | -.00035 | .00007 | -.00016 | .00675 |
| Stddev | .00001  | .00003  | .00259 | .00025  | .00001 | .00054  | .00771 |
| %RSD   | 72.166  | 393.58  | 19.276 | 71.138  | 14.138 | 336.29  | 114.28 |

|    |         |         |        |         |        |         |        |
|----|---------|---------|--------|---------|--------|---------|--------|
| #1 | -.00003 | -.00003 | .01160 | -.00053 | .00007 | -.00054 | .01220 |
| #2 | -.00001 | .00001  | .01526 | -.00018 | .00006 | .00022  | .00129 |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00002 | .00577 | .00025 | .00002 | .00067 | .00016 | -.00045 |
| Stddev | .00002 | .02887 | .00006 | .00016 | .01083 | .00007 | .00009  |
| %RSD   | 115.05 | 500.21 | 23.899 | 742.10 | 1608.6 | 44.360 | 19.347  |

|    |        |         |        |         |         |        |         |
|----|--------|---------|--------|---------|---------|--------|---------|
| #1 | .00000 | -.01464 | .00020 | .00013  | .00833  | .00021 | -.00051 |
| #2 | .00003 | .02619  | .00029 | -.00009 | -.00698 | .00011 | -.00039 |

|        |         |         |         |         |        |        |        |
|--------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00532 | -.00010 | -.00086 | -.00438 | .00195 | .00089 | .00044 |
| Stddev | .00017  | .00014  | .00185  | .00364  | .00456 | .00109 | .00034 |
| %RSD   | 3.1903  | 140.05  | 215.12  | 83.187  | 234.16 | 122.61 | 77.548 |

|    |         |         |         |         |         |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|
| #1 | -.00520 | -.00000 | .00045  | -.00695 | -.00128 | .00165 | .00068 |
| #2 | -.00544 | -.00020 | -.00216 | -.00180 | .00518  | .00012 | .00020 |

|        |        |        |        |          |          |  |  |
|--------|--------|--------|--------|----------|----------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |  |  |
| Avg    | .00346 | -.0007 | .00013 | F<.00000 | F .35639 |  |  |
| Stddev | .00020 | .0006  | .00004 | .00790   | .28984   |  |  |
| %RSD   | 5.6733 | 87.28  | 34.279 | .41395   | 81.326   |  |  |

|    |        |        |        |         |        |  |  |
|----|--------|--------|--------|---------|--------|--|--|
| #1 | .00360 | -.0003 | .00010 | -1.9134 | .15145 |  |  |
| #2 | .00332 | -.0011 | .00016 | -1.9022 | .56134 |  |  |

Sample Name: CCB03      Acquired: 10/3/2018 15:38:47      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB13938      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       | 3182.7 | 71133. | 5525.2 | 119.16 | 4550.5 |
| Stddev    | 14.0   | 36.    | .4     | 3.38   | .3     |
| %RSD      | .44061 | .05088 | .00774 | 2.8385 | .00586 |
| #1        | 3172.8 | 71158. | 5524.9 | 121.55 | 4550.4 |
| #2        | 3192.6 | 71107. | 5525.5 | 116.77 | 4550.7 |

Sample Name: J5192-01      Acquired: 10/3/2018 15:43:39      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-05-100218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .08321 | -.00565 | .24233 | -.05190 | .00341 | 130.58 | .50990 |
| Stddev | .00156 | .00269  | .00145 | .00001  | .00164 | .96    | .00312 |
| %RSD   | 1.8722 | 47.719  | .59751 | .02007  | 47.993 | .73549 | .61254 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .08431 | -.00374 | .24130 | -.05191 | .00456 | 129.91 | .50769 |
| #2 | .08211 | -.00755 | .24335 | -.05189 | .00225 | 131.26 | .51211 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01354 | -.00536 | 294.49 | .21532 | .08647 | .27299 | 447.16 |
| Stddev | .00020 | .00006  | 1.22   | .00037 | .00083 | .00460 | 2.27   |
| %RSD   | 1.4637 | 1.0363  | .41277 | .17060 | .96004 | 1.6854 | .50870 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01340 | -.00532 | 293.63 | .21506 | .08588 | .27625 | 445.55 |
| #2 | .01368 | -.00540 | 295.35 | .21558 | .08705 | .26974 | 448.76 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.9883 | 172.34 | .13609 | -.00846 | 3.5459 | .36418 | .60393 |
| Stddev | .0057  | .26    | .00042 | .00031  | .0191  | .00177 | .00167 |
| %RSD   | .19182 | .15340 | .31006 | 3.6788  | .53873 | .48564 | .27687 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.9843 | 172.16 | .13579 | -.00868 | 3.5324 | .36293 | .60512 |
| #2 | 2.9924 | 172.53 | .13638 | -.00824 | 3.5594 | .36543 | .60275 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.862 | .00048 | .14660 | 5.6460 | 6.1758 | .03037 | .96249 |
| Stddev | .059   | .00030 | .00433 | .0109  | .2066  | .00150 | .00496 |
| %RSD   | .49826 | 62.250 | 2.9512 | .19227 | 3.3450 | 4.9258 | .51565 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.820 | .00027 | .14354 | 5.6383 | 6.3219 | .03143 | .95898 |
| #2 | 11.904 | .00069 | .14966 | 5.6537 | 6.0298 | .02931 | .96600 |

|        |        |        |        |          |        |
|--------|--------|--------|--------|----------|--------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | .12438 | 11.03  | .28580 | F<.00000 | 54.052 |
| Stddev | .00084 | .02    | .00151 | .75344   | .496   |
| %RSD   | .67164 | .1423  | .52880 | 10.607   | .91737 |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | .12379 | 11.02 | .28473 | -6.5703 | 53.701 |
| #2 | .12497 | 11.04 | .28687 | -7.6358 | 54.403 |

Sample Name: J5192-01      Acquired: 10/3/2018 15:43:39      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-05-100218      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       | 3175.6 | 71459. | 6105.7 | 114.35 | 3722.3 |
| Stddev    | 2.9    | 152.   | 16.3   | .31    | 25.2   |
| %RSD      | .09123 | .21305 | .26693 | .26727 | .67580 |
| #1        | 3177.6 | 71352. | 6094.1 | 114.13 | 3740.0 |
| #2        | 3173.5 | 71567. | 6117.2 | 114.57 | 3704.5 |

Sample Name: J5192-03      Acquired: 10/3/2018 15:47:34      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-05-100218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .11577 | -.00193 | .20769 | -.03073 | .00137 | 131.67 | .51312 |
| Stddev | .00286 | .00005  | .00078 | .00093  | .00026 | .40    | .00168 |
| %RSD   | 2.4670 | 2.3794  | .37582 | 3.0143  | 18.650 | .30661 | .32682 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .11375 | -.00197 | .20824 | -.03138 | .00119 | 131.38 | .51193 |
| #2 | .11779 | -.00190 | .20713 | -.03007 | .00155 | 131.95 | .51430 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00921 | -.00685 | 40.830 | .28850 | .05259 | .19537 | 322.50 |
| Stddev | .00012 | .00016  | .112   | .00170 | .00046 | .00162 | 3.57   |
| %RSD   | 1.2995 | 2.3275  | .27347 | .59097 | .86557 | .83088 | 1.1069 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00912 | -.00674 | 40.909 | .28730 | .05227 | .19651 | 319.98 |
| #2 | .00929 | -.00696 | 40.751 | .28971 | .05291 | .19422 | 325.03 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.7837 | 34.372 | .09036 | -.00615 | 5.7133 | .33806 | .46122 |
| Stddev | .0026  | .027   | .00006 | .00056  | .0074  | .00217 | .00323 |
| %RSD   | .14795 | .07957 | .07189 | 9.0215  | .12895 | .64202 | .69947 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.7819 | 34.391 | .09040 | -.00655 | 5.7081 | .33653 | .45894 |
| #2 | 1.7856 | 34.352 | .09031 | -.00576 | 5.7185 | .33959 | .46350 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 23.537 | .00080 | .12661 | 3.5523 | 9.4454 | .01984 | 1.0388 |
| Stddev | .027   | .00040 | .02834 | .0030  | .0854  | .00260 | .0073  |
| %RSD   | .11379 | 50.231 | 22.381 | .08490 | .90390 | 13.119 | .70358 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 23.518 | .00109 | .10657 | 3.5545 | 9.5058 | .01800 | 1.0336 |
| #2 | 23.556 | .00052 | .14664 | 3.5502 | 9.3850 | .02168 | 1.0440 |

|        |        |        |        |          |        |
|--------|--------|--------|--------|----------|--------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | .12452 | 4.437  | .17790 | F<.00000 | 42.762 |
| Stddev | .00047 | .017   | .00013 | .05866   | .990   |
| %RSD   | .37843 | .3913  | .07411 | .85541   | 2.3142 |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | .12419 | 4.425 | .17800 | -6.8165 | 43.462 |
| #2 | .12486 | 4.450 | .17781 | -6.8995 | 42.062 |

Sample Name: J5192-03      Acquired: 10/3/2018 15:47:34      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-05-100218 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       | 3359.0 | 74587. | 6202.2 | 118.68 | 4085.1 |
| Stddev    | 2.1    | 121.   | 16.3   | .44    | 2.7    |
| %RSD      | .06318 | .16222 | .26340 | .36806 | .06643 |
| #1        | 3357.5 | 74501. | 6190.6 | 118.98 | 4083.2 |
| #2        | 3360.5 | 74673. | 6213.7 | 118.37 | 4087.0 |



Sample Name: J5194-01      Acquired: 10/3/2018 15:51:31      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-100218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02321 | -.01665 | .90927 | -.01865 | .00404 | 132.07 | .95605 |
| Stddev | .00301 | .00206  | .00773 | .00078  | .00192 | .36    | .00271 |
| %RSD   | 12.955 | 12.348  | .85000 | 4.1796  | 47.576 | .27340 | .28359 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02534 | -.01811 | .90381 | -.01920 | .00540 | 132.33 | .95796 |
| #2 | .02108 | -.01520 | .91474 | -.01810 | .00268 | 131.82 | .95413 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00725 | -.00176 | 125.08 | .18990 | .10485 | .72428 | 239.35 |
| Stddev | .00010 | .00037  | .77    | .00104 | .00127 | .00225 | 4.46   |
| %RSD   | 1.3467 | 21.349  | .61251 | .54814 | 1.2155 | .31017 | 1.8632 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00732 | -.00149 | 125.62 | .18916 | .10395 | .72587 | 236.19 |
| #2 | .00718 | -.00202 | 124.53 | .19064 | .10575 | .72269 | 242.50 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.1524 | 53.346 | .20458 | -.00134 | 8.5154 | .35826 | 1.0958 |
| Stddev | .0001  | .361   | .00097 | .00103  | .0052  | .00016 | .0222  |
| %RSD   | .00351 | .67640 | .47466 | 77.117  | .06083 | .04569 | 2.0234 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.1523 | 53.601 | .20389 | -.00207 | 8.5190 | .35837 | 1.0802 |
| #2 | 4.1525 | 53.091 | .20526 | -.00061 | 8.5117 | .35814 | 1.1115 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.846 | .00551 | .15036 | 5.8489 | 5.1792 | .05145 | 2.6656 |
| Stddev | .008   | .00026 | .00737 | .0453  | .0174  | .00154 | .0083  |
| %RSD   | .07036 | 4.7941 | 4.9049 | .77455 | .33643 | 2.9937 | .31170 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.852 | .00532 | .14514 | 5.8168 | 5.1916 | .05036 | 2.6714 |
| #2 | 11.841 | .00569 | .15557 | 5.8809 | 5.1669 | .05254 | 2.6597 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .15103 | 5.917  | .46691 | F<.00000 | 35.808 |  |  |
| Stddev | .00158 | .024   | .00198 | .34668   | .224   |  |  |
| %RSD   | 1.0480 | .4059  | .42416 | 5.7494   | .62516 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .15215 | 5.900 | .46831 | -5.7847 | 35.967 |  |  |
| #2 | .14991 | 5.934 | .46551 | -6.2750 | 35.650 |  |  |

Sample Name: J5194-01      Acquired: 10/3/2018 15:51:31      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-100218      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       | 3377.1 | 75182. | 6345.7 | 117.35 | 3972.1 |
| Stddev    | 9.5    | 330.   | 24.1   | 2.19   | 8.9    |
| %RSD      | .28096 | .43957 | .37904 | 1.8678 | .22374 |
| #1        | 3370.4 | 74949. | 6328.7 | 118.90 | 3978.3 |
| #2        | 3383.9 | 75416. | 6362.7 | 115.80 | 3965.8 |

Sample Name: J5194-03      Acquired: 10/3/2018 15:55:28      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-100218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02202 | -.01371 | .75775 | -.02332 | .00038 | 165.94 | 1.0366 |
| Stddev | .00225 | .00030  | .00131 | .00209  | .00147 | .79    | .0003  |
| %RSD   | 10.235 | 2.1779  | .17229 | 8.9789  | 391.77 | .47361 | .02424 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .02043 | -.01350 | .75683 | -.02184 | .00142  | 166.50 | 1.0368 |
| #2 | .02362 | -.01392 | .75868 | -.02480 | -.00067 | 165.38 | 1.0364 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00936 | -.00315 | 88.754 | .22190 | .14492 | .53952 | 276.23 |
| Stddev | .00011 | .00046  | .363   | .00076 | .00005 | .00004 | 3.81   |
| %RSD   | 1.1338 | 14.629  | .40949 | .34468 | .03255 | .00820 | 1.3793 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00929 | -.00283 | 88.497 | .22244 | .14495 | .53949 | 273.54 |
| #2 | .00944 | -.00348 | 89.011 | .22136 | .14488 | .53955 | 278.93 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.4282 | 55.509 | .27377 | -.00159 | 10.818 | .34344 | 1.1346 |
| Stddev | .0374  | .285   | .00123 | .00063  | .006   | .00105 | .0203  |
| %RSD   | .68962 | .51361 | .45018 | 39.472  | .05879 | .30460 | 1.7853 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.4546 | 55.308 | .27289 | -.00203 | 10.813 | .34418 | 1.1203 |
| #2 | 5.4017 | 55.711 | .27464 | -.00115 | 10.822 | .34270 | 1.1489 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.037 | .00332 | .16393 | 4.0059 | 4.7032 | .02793 | 2.1529 |
| Stddev | .069   | .00018 | .00199 | .0081  | .0850  | .00076 | .0002  |
| %RSD   | .40533 | 5.3223 | 1.2157 | .20320 | 1.8073 | 2.7311 | .01058 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.988 | .00319 | .16533 | 4.0001 | 4.6431 | .02847 | 2.1528 |
| #2 | 17.086 | .00344 | .16252 | 4.0116 | 4.7633 | .02739 | 2.1531 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .25736 | 6.769  | .47751 | F<.00000 | 38.788 |  |  |
| Stddev | .00289 | .006   | .00075 | 1.1699   | .862   |  |  |
| %RSD   | 1.1219 | .0831  | .15615 | 12.869   | 2.2222 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .25532 | 6.765 | .47698 | -8.2635 | 38.179 |  |  |
| #2 | .25940 | 6.773 | .47803 | -9.9180 | 39.398 |  |  |

Sample Name: J5194-03      Acquired: 10/3/2018 15:55:28      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-100218      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       | 3472.4 | 77537. | 6489.2 | 117.42 | 3978.5 |
| Stddev    | 5.7    | 245.   | 38.3   | 1.88   | 15.3   |
| %RSD      | .16557 | .31542 | .59032 | 1.6025 | .38522 |
| #1        | 3468.3 | 77364. | 6516.3 | 118.75 | 3967.7 |
| #2        | 3476.4 | 77710. | 6462.1 | 116.08 | 3989.3 |

Sample Name: J5194-05      Acquired: 10/3/2018 15:59:28      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-100218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01839 | -.01443 | .46356 | -.02278 | .00055 | 123.16 | .51565 |
| Stddev | .00019 | .00186  | .00526 | .00139  | .00024 | .01    | .00164 |
| %RSD   | 1.0271 | 12.853  | 1.1341 | 6.1000  | 44.020 | .01191 | .31878 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01853 | -.01575 | .46727 | -.02180 | .00072 | 123.17 | .51681 |
| #2 | .01826 | -.01312 | .45984 | -.02376 | .00038 | 123.15 | .51449 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00603 | -.00340 | 97.740 | .16598 | .09472 | .39197 | 214.13 |
| Stddev | .00018 | .00023  | .039   | .00185 | .00149 | .00258 | 1.63   |
| %RSD   | 2.9301 | 6.6339  | .03969 | 1.1160 | 1.5735 | .65925 | .75902 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00590 | -.00324 | 97.767 | .16467 | .09577 | .39379 | 215.28 |
| #2 | .00615 | -.00356 | 97.712 | .16729 | .09366 | .39014 | 212.99 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.5627 | 46.580 | .26582 | -.00098 | 8.5854 | .30537 | .58517 |
| Stddev | .0006  | .066   | .00255 | .00001  | .0006  | .00005 | .00781 |
| %RSD   | .01737 | .14168 | .95881 | 1.5318  | .00697 | .01757 | 1.3355 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.5622 | 46.626 | .26763 | -.00099 | 8.5850 | .30533 | .59070 |
| #2 | 3.5631 | 46.533 | .26402 | -.00097 | 8.5859 | .30541 | .57964 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.8224 | .00524 | .29727 | 2.5654 | 7.6249 | .02738 | 2.6824 |
| Stddev | .0241  | .00004 | .01389 | .0165  | .1936  | .00107 | .0018  |
| %RSD   | .27307 | .75759 | 4.6730 | .64313 | 2.5395 | 3.8975 | .06686 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.8394 | .00521 | .30709 | 2.5770 | 7.4880 | .02813 | 2.6811 |
| #2 | 8.8053 | .00527 | .28745 | 2.5537 | 7.7619 | .02662 | 2.6836 |

|        |        |        |        |          |        |
|--------|--------|--------|--------|----------|--------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | .13607 | 4.523  | .52288 | F<.00000 | 33.643 |
| Stddev | .00085 | .064   | .00269 | .10711   | .449   |
| %RSD   | .62716 | 1.414  | .51426 | 2.0322   | 1.3338 |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | .13668 | 4.569 | .52478 | -5.1949 | 33.326 |
| #2 | .13547 | 4.478 | .52098 | -5.3464 | 33.960 |

Sample Name: J5194-05      Acquired: 10/3/2018 15:59:28      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-100218      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       | 3346.0 | 74271. | 6296.8 | 119.47 | 4082.4 |
| Stddev    | 39.2   | 100.   | 27.4   | 1.28   | 60.2   |
| %RSD      | 1.1729 | .13442 | .43517 | 1.0750 | 1.4741 |
| #1        | 3318.3 | 74201. | 6277.4 | 118.57 | 4039.8 |
| #2        | 3373.8 | 74342. | 6316.2 | 120.38 | 4124.9 |

Sample Name: J5198-01      Acquired: 10/3/2018 16:03:23      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-01-100218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .02445 | -.02541 | .61669 | -.02668 | -.00001 | 143.86 | .67377 |
| Stddev | .00019 | .00059  | .00808 | .00016  | .00028  | .50    | .00174 |
| %RSD   | .77628 | 2.3023  | 1.3094 | .59057  | 2955.0  | .34560 | .25802 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .02431 | -.02500 | .61098 | -.02679 | -.00021 | 143.51 | .67500 |
| #2 | .02458 | -.02583 | .62240 | -.02657 | .00019  | 144.21 | .67254 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00763 | -.00291 | 58.697 | .26521 | .12848 | .51250 | 257.62 |
| Stddev | .00006 | .00005  | .228   | .00044 | .00278 | .00707 | 2.06   |
| %RSD   | .76952 | 1.6888  | .38877 | .16505 | 2.1666 | 1.3793 | .79834 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00767 | -.00294 | 58.858 | .26552 | .12651 | .50751 | 256.16 |
| #2 | .00759 | -.00287 | 58.535 | .26490 | .13045 | .51750 | 259.07 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.7239 | 50.862 | .26814 | -.00236 | 8.6960 | .42168 | .78113 |
| Stddev | .0002  | .151   | .00483 | .00007  | .0178  | .00519 | .00413 |
| %RSD   | .00447 | .29616 | 1.8004 | 3.0933  | .20502 | 1.2316 | .52925 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.7238 | 50.968 | .26472 | -.00241 | 8.7086 | .41801 | .77821 |
| #2 | 3.7240 | 50.755 | .27155 | -.00231 | 8.6834 | .42535 | .78406 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.3015 | .00329 | .17153 | 5.4314 | 5.0584 | .02848 | 3.8712 |
| Stddev | .0188  | .00015 | .00320 | .0871  | .0007  | .00031 | .0093  |
| %RSD   | .20232 | 4.6674 | 1.8655 | 1.6035 | .01417 | 1.0786 | .24115 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.2882 | .00340 | .17379 | 5.3698 | 5.0589 | .02827 | 3.8778 |
| #2 | 9.3148 | .00318 | .16926 | 5.4930 | 5.0579 | .02870 | 3.8646 |

|        |        |        |        |          |        |
|--------|--------|--------|--------|----------|--------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | .15107 | 7.099  | .23092 | F<.00000 | 36.728 |
| Stddev | .00060 | .108   | .00075 | .52639   | .076   |
| %RSD   | .39870 | 1.527  | .32402 | 6.4044   | .20672 |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | .15065 | 7.022 | .23145 | -7.8471 | 36.674 |
| #2 | .15150 | 7.176 | .23040 | -8.5915 | 36.782 |

Sample Name: J5198-01      Acquired: 10/3/2018 16:03:23      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-01-100218 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       | 3440.2 | 77153. | 6552.2 | 119.50 | 3998.4 |
| Stddev    | 34.6   | 18.    | 43.0   | .31    | 55.0   |
| %RSD      | 1.0057 | .02304 | .65641 | .26273 | 1.3758 |
| #1        | 3464.7 | 77141. | 6521.8 | 119.73 | 4037.3 |
| #2        | 3415.8 | 77166. | 6582.6 | 119.28 | 3959.5 |



Sample Name: J5198-03      Acquired: 10/3/2018 16:07:17      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-01-100218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .02843 | -.02547 | .64930 | -.02302 | -.00045 | 143.21 | .76642 |
| Stddev | .00272 | .00152  | .00077 | .01192  | .00161  | .44    | .00075 |
| %RSD   | 9.5598 | 5.9865  | .11810 | 51.780  | 359.87  | .31012 | .09830 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .02651 | -.02654 | .64984 | -.03144 | .00069  | 142.90 | .76695 |
| #2 | .03035 | -.02439 | .64876 | -.01459 | -.00158 | 143.53 | .76589 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00831 | -.00246 | 132.50 | .23738 | .12515 | .48583 | 264.37 |
| Stddev | .00017 | .00078  | .13    | .00243 | .00081 | .00312 | 6.86   |
| %RSD   | 2.0864 | 31.504  | .09567 | 1.0241 | .64880 | .64232 | 2.5952 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00843 | -.00191 | 132.59 | .23910 | .12573 | .48804 | 259.52 |
| #2 | .00819 | -.00301 | 132.41 | .23567 | .12458 | .48363 | 269.22 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.1812 | 80.161 | .26109 | -.00274 | 8.4893 | .43697 | .84464 |
| Stddev | .0041  | .135   | .00083 | .00074  | .0086  | .00120 | .01826 |
| %RSD   | .09902 | .16871 | .31707 | 27.140  | .10068 | .27379 | 2.1618 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.1841 | 80.257 | .26051 | -.00326 | 8.4953 | .43782 | .83173 |
| #2 | 4.1783 | 80.065 | .26168 | -.00221 | 8.4832 | .43613 | .85755 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.361 | .00427 | .16364 | 6.6123 | 4.8736 | .04943 | 3.9276 |
| Stddev | .016   | .00032 | .01520 | .0296  | .1493  | .00109 | .0257  |
| %RSD   | .15245 | 7.3780 | 9.2856 | .44738 | 3.0626 | 2.1987 | .65533 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.350 | .00405 | .15290 | 6.5914 | 4.9791 | .05020 | 3.9458 |
| #2 | 10.372 | .00449 | .17439 | 6.6332 | 4.7680 | .04866 | 3.9094 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .15340 | 7.756  | .37087 | F<.00000 | 37.705 |  |  |
| Stddev | .00035 | .009   | .00042 | .07869   | 1.305  |  |  |
| %RSD   | .22558 | .1166  | .11351 | .89327   | 3.4615 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .15316 | 7.750 | .37117 | -8.7532 | 36.782 |  |  |
| #2 | .15365 | 7.762 | .37058 | -8.8645 | 38.628 |  |  |

Sample Name: J5198-03      Acquired: 10/3/2018 16:07:17      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-01-100218 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       | 3469.2 | 77555. | 6580.5 | 118.92 | 3949.2 |
| Stddev    | 5.2    | 25.    | 19.6   | 2.67   | 8.7    |
| %RSD      | .15054 | .03211 | .29834 | 2.2465 | .22140 |
| #1        | 3465.5 | 77573. | 6566.6 | 120.81 | 3943.0 |
| #2        | 3472.9 | 77538. | 6594.4 | 117.03 | 3955.4 |

Sample Name: J5198-05      Acquired: 10/3/2018 16:11:12      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-01-100218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05988 | -.02451 | 1.2253 | -.02241 | .00039 | 146.95 | .82085 |
| Stddev | .00105 | .00166  | .0058  | .00237  | .00069 | .17    | .00544 |
| %RSD   | 1.7548 | 6.7569  | .47689 | 10.573  | 178.38 | .11842 | .66296 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .06063 | -.02334 | 1.2212 | -.02074 | .00087  | 147.07 | .82470 |
| #2 | .05914 | -.02568 | 1.2295 | -.02409 | -.00010 | 146.83 | .81701 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00804 | -.00224 | 66.376 | .25757 | .14247 | .70482 | 283.89 |
| Stddev | .00033 | .00086  | .202   | .00228 | .00012 | .00421 | 7.04   |
| %RSD   | 4.1419 | 38.272  | .30501 | .88658 | .08642 | .59725 | 2.4804 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00781 | -.00285 | 66.520 | .25595 | .14256 | .70185 | 288.87 |
| #2 | .00828 | -.00163 | 66.233 | .25918 | .14239 | .70780 | 278.91 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.2711 | 54.394 | .28932 | .00238 | 7.3185 | .46454 | 1.1729 |
| Stddev | .0043  | .108   | .00145 | .00150 | .0272  | .00000 | .0288  |
| %RSD   | .10171 | .19942 | .49961 | 62.834 | .37196 | .00041 | 2.4549 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.2741 | 54.471 | .28830 | .00344 | 7.3378 | .46454 | 1.1932 |
| #2 | 4.2680 | 54.318 | .29034 | .00133 | 7.2993 | .46454 | 1.1525 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.187 | .00337 | .14686 | 6.0298 | 3.7382 | .04344 | 4.1688 |
| Stddev | .070   | .00007 | .01873 | .0045  | .0899  | .00098 | .0112  |
| %RSD   | .68897 | 2.1016 | 12.751 | .07413 | 2.4048 | 2.2596 | .26846 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.237 | .00342 | .16010 | 6.0267 | 3.8018 | .04274 | 4.1767 |
| #2 | 10.138 | .00332 | .13362 | 6.0330 | 3.6746 | .04413 | 4.1609 |

|        |        |        |        |          |        |
|--------|--------|--------|--------|----------|--------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | .15887 | 8.493  | .30862 | F<.00000 | 38.577 |
| Stddev | .00041 | .013   | .00050 | .08455   | .864   |
| %RSD   | .26118 | .1478  | .16180 | .85561   | 2.2387 |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | .15857 | 8.502 | .30897 | -9.8218 | 39.188 |
| #2 | .15916 | 8.484 | .30826 | -9.9414 | 37.967 |

Sample Name: J5198-05      Acquired: 10/3/2018 16:11:12      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-01-100218 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       | 3555.3 | 79080. | 6716.2 | 118.92 | 4059.8 |
| Stddev    | 1.3    | 197.   | 23.3   | 2.87   | 3.4    |
| %RSD      | .03666 | .24899 | .34722 | 2.4114 | .08312 |
| #1        | 3554.4 | 78941. | 6699.7 | 116.89 | 4062.2 |
| #2        | 3556.2 | 79219. | 6732.6 | 120.95 | 4057.4 |

Sample Name: J5198-07      Acquired: 10/3/2018 16:15:07      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-01-100218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .02287 | -.03161 | .59876 | -.02354 | -.00100 | 131.07 | .66779 |
| Stddev | .00489 | .00344  | .00197 | .00097  | .00035  | .83    | .00223 |
| %RSD   | 21.370 | 10.872  | .32962 | 4.1183  | 34.469  | .62970 | .33427 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .02632 | -.03404 | .59737 | -.02423 | -.00076 | 130.49 | .66937 |
| #2 | .01941 | -.02918 | .60016 | -.02286 | -.00125 | 131.66 | .66621 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00688 | -.00298 | 79.034 | .20971 | .12553 | .55997 | 259.66 |
| Stddev | .00016 | .00038  | .358   | .00304 | .00072 | .00155 | .74    |
| %RSD   | 2.2681 | 12.752  | .45292 | 1.4496 | .57086 | .27646 | .28661 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00677 | -.00325 | 79.287 | .20756 | .12503 | .55887 | 260.18 |
| #2 | .00699 | -.00271 | 78.781 | .21186 | .12604 | .56106 | 259.13 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.4547 | 56.021 | .28201 | -.00204 | 7.6815 | .71108 | .93359 |
| Stddev | .0042  | .094   | .00074 | .00005  | .0202  | .00279 | .00640 |
| %RSD   | .12235 | .16811 | .26092 | 2.3357  | .26274 | .39223 | .68530 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.4517 | 55.954 | .28149 | -.00207 | 7.6958 | .70910 | .93811 |
| #2 | 3.4577 | 56.087 | .28253 | -.00201 | 7.6672 | .71305 | .92907 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.468 | .00673 | .23090 | 11.867 | 2.9146 | .02088 | 5.3147 |
| Stddev | .032   | .00021 | .00395 | .028   | .0376  | .00023 | .0057  |
| %RSD   | .25624 | 3.1003 | 1.7118 | .23843 | 1.2905 | 1.0932 | .10743 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.446 | .00658 | .23370 | 11.847 | 2.9411 | .02071 | 5.3106 |
| #2 | 12.491 | .00687 | .22811 | 11.887 | 2.8880 | .02104 | 5.3187 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .15295 | 8.603  | .30069 | F<.00000 | 36.496 |  |  |
| Stddev | .00072 | .007   | .00175 | .27660   | .733   |  |  |
| %RSD   | .47145 | .0827  | .58347 | 2.9451   | 2.0089 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .15244 | 8.598 | .30193 | -9.5873 | 35.978 |  |  |
| #2 | .15346 | 8.608 | .29945 | -9.1961 | 37.015 |  |  |

Sample Name: J5198-07      Acquired: 10/3/2018 16:15:07      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-01-100218 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       | 3490.3 | 78272. | 6605.4 | 120.01 | 4051.9 |
| Stddev    | 5.7    | 235.   | 46.2   | .73    | 2.0    |
| %RSD      | .16455 | .29981 | .69921 | .60554 | .04881 |
| #1        | 3486.2 | 78438. | 6572.7 | 119.49 | 4050.5 |
| #2        | 3494.4 | 78106. | 6638.0 | 120.52 | 4053.3 |

Sample Name: J5198-09      Acquired: 10/3/2018 16:19:02      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-01-100218      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01915 | -.02902 | .62703 | -.02036 | -.00178 | 133.79 | .73981 |
| Stddev | .00022 | .00204  | .00216 | .00203  | .00142  | .40    | .00222 |
| %RSD   | 1.1343 | 7.0382  | .34431 | 9.9542  | 79.490  | .29625 | .29941 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .01930 | -.02758 | .62856 | -.01893 | -.00078 | 134.07 | .73824 |
| #2 | .01900 | -.03046 | .62550 | -.02180 | -.00279 | 133.51 | .74138 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00622 | -.00210 | 154.13 | .21368 | .11818 | .47888 | 232.03 |
| Stddev | .00003 | .00063  | .32    | .00157 | .00038 | .00500 | 4.35   |
| %RSD   | .52835 | 29.923  | .20673 | .73543 | .32325 | 1.0451 | 1.8735 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00625 | -.00166 | 153.91 | .21479 | .11790 | .48242 | 228.96 |
| #2 | .00620 | -.00255 | 154.36 | .21257 | .11845 | .47534 | 235.11 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.6126 | 64.610 | .24481 | -.00284 | 8.4088 | .41275 | .68392 |
| Stddev | .0067  | .296   | .00016 | .00070  | .0235  | .00150 | .01245 |
| %RSD   | .18490 | .45773 | .06417 | 24.480  | .27898 | .36448 | 1.8208 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.6174 | 64.401 | .24470 | -.00333 | 8.3922 | .41382 | .67511 |
| #2 | 3.6079 | 64.819 | .24492 | -.00235 | 8.4253 | .41169 | .69272 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 16.925 | .00341 | .15829 | 6.5476 | 4.8758 | .01520 | 4.9038 |
| Stddev | .030   | .00003 | .00002 | .0216  | .0679  | .00118 | .0110  |
| %RSD   | .17900 | .89513 | .01108 | .33060 | 1.3920 | 7.7460 | .22432 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.903 | .00339 | .15831 | 6.5629 | 4.8279 | .01603 | 4.8960 |
| #2 | 16.946 | .00344 | .15828 | 6.5323 | 4.9238 | .01436 | 4.9116 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .18440 | 8.167  | .58789 | F<.00000 | 34.986 |  |  |
| Stddev | .00080 | .015   | .00036 | .19160   | .080   |  |  |
| %RSD   | .43580 | .1855  | .06205 | 3.1994   | .22899 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .18497 | 8.178 | .58815 | -5.8531 | 35.043 |  |  |
| #2 | .18384 | 8.157 | .58763 | -6.1240 | 34.930 |  |  |

Sample Name: J5198-09      Acquired: 10/3/2018 16:19:02      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-01-100218      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       | 3363.7 | 75078. | 6381.3 | 118.93 | 4009.6 |
| Stddev    | 13.6   | 183.   | 11.8   | 1.91   | .2     |
| %RSD      | .40340 | .24335 | .18533 | 1.6086 | .00484 |
| #1        | 3354.1 | 74949. | 6389.7 | 120.28 | 4009.8 |
| #2        | 3373.3 | 75207. | 6372.9 | 117.57 | 4009.5 |



Sample Name: CCV04      Acquired: 10/3/2018 16:22:58      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9876 | 5.0812 | 5.0525 | 5.0787 | 5.1803 | 10.447 | 10.627 |
| Stddev | .0174  | .0162  | .0142  | .0152  | .0031  | .085   | .039   |
| %RSD   | .34860 | .31802 | .28186 | .29844 | .06000 | .81305 | .36827 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.9999 | 5.0926 | 5.0626 | 5.0894 | 5.1782 | 10.387 | 10.654 |
| #2 | 4.9753 | 5.0698 | 5.0424 | 5.0680 | 5.1825 | 10.507 | 10.599 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25479 | 2.5276 | 25.977 | 1.0351 | 2.5519 | 1.2865 | 5.1725 |
| Stddev | .00023 | .0059  | .079   | .0040  | .0082  | .0051  | .0364  |
| %RSD   | .09196 | .23407 | .30233 | .38306 | .32270 | .39347 | .70332 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25496 | 2.5318 | 25.921 | 1.0323 | 2.5577 | 1.2901 | 5.1982 |
| #2 | .25463 | 2.5234 | 26.032 | 1.0379 | 2.5461 | 1.2829 | 5.1467 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5779 | 25.568 | 2.5569 | 1.3023 | 25.987 | 2.5673 | 2.5405 |
| Stddev | .0012  | .003   | .0075  | .0075  | .061   | .0048  | .0273  |
| %RSD   | .04645 | .01360 | .29221 | .57320 | .23523 | .18573 | 1.0739 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.5770 | 25.570 | 2.5622 | 1.2971 | 26.031 | 2.5707 | 2.5598 |
| #2 | 2.5787 | 25.565 | 2.5516 | 1.3076 | 25.944 | 2.5640 | 2.5212 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 26.214 | 5.1665 | 5.2207 | 5.0170 | 5.1624 | 5.0552 | 5.1885 |
| Stddev | .024   | .0097  | .0130  | .0076  | .0130  | .0103  | .0038  |
| %RSD   | .09122 | .18826 | .24930 | .15177 | .25191 | .20394 | .07245 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 26.231 | 5.1733 | 5.2299 | 5.0224 | 5.1716 | 5.0625 | 5.1859 |
| #2 | 26.197 | 5.1596 | 5.2115 | 5.0117 | 5.1532 | 5.0479 | 5.1912 |

|        |        |        |        |          |          |  |  |
|--------|--------|--------|--------|----------|----------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |  |  |
| Avg    | 4.5835 | 5.183  | 5.3339 | F 2.1358 | F 2.2114 |  |  |
| Stddev | .0140  | .003   | .0253  | .2637    | .3179    |  |  |
| %RSD   | .30553 | .0616  | .47354 | 12.347   | 14.375   |  |  |

|    |        |       |        |        |        |  |  |
|----|--------|-------|--------|--------|--------|--|--|
| #1 | 4.5934 | 5.181 | 5.3518 | 1.9493 | 1.9866 |  |  |
| #2 | 4.5736 | 5.186 | 5.3161 | 2.3222 | 2.4362 |  |  |

Sample Name: CCV04      Acquired: 10/3/2018 16:22:58      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3088.6 | 68098. | 5566.6 | 118.57 | 4161.0 |
| Stddev    | 20.7   | 51.    | 47.7   | 1.69   | 25.5   |
| %RSD      | .66886 | .07428 | .85767 | 1.4229 | .61354 |
| #1        | 3074.0 | 68134. | 5532.8 | 117.37 | 4142.9 |
| #2        | 3103.2 | 68062. | 5600.4 | 119.76 | 4179.0 |

Sample Name: CCB04      Acquired: 10/3/2018 16:26:42      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RICH-REC-ROA      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |         |
|--------|---------|---------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00340 | -.00015 | .00014 | .00359 | .00063 | .01832 | -.00096 |
| Stddev | .00227  | .00001  | .00047 | .00004 | .00161 | .00116 | .00029  |
| %RSD   | 66.651  | 7.3359  | 348.30 | 1.1924 | 256.39 | 6.3193 | 30.412  |

|    |         |         |         |        |         |        |         |
|----|---------|---------|---------|--------|---------|--------|---------|
| #1 | -.00180 | -.00015 | .00047  | .00356 | -.00051 | .01914 | -.00116 |
| #2 | -.00500 | -.00014 | -.00020 | .00362 | .00177  | .01750 | -.00075 |

|        |         |         |        |         |         |         |        |
|--------|---------|---------|--------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00003 | -.00004 | .02143 | -.00060 | -.00011 | -.00066 | .00455 |
| Stddev | .00000  | .00009  | .00528 | .00026  | .00020  | .00014  | .00630 |
| %RSD   | 13.900  | 208.20  | 24.635 | 43.261  | 179.12  | 20.864  | 138.52 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | -.00002 | -.00010 | .02516 | -.00079 | .00003  | -.00076 | .00009 |
| #2 | -.00003 | .00002  | .01770 | -.00042 | -.00025 | -.00056 | .00900 |

|        |         |         |        |        |         |        |         |
|--------|---------|---------|--------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00011 | -.02757 | .00054 | .00022 | -.00455 | .00045 | -.00046 |
| Stddev | .00008  | .02953  | .00002 | .00010 | .01259  | .00015 | .00005  |
| %RSD   | 71.688  | 107.11  | 3.9451 | 47.620 | 276.48  | 33.966 | 10.052  |

|    |         |         |        |        |         |        |         |
|----|---------|---------|--------|--------|---------|--------|---------|
| #1 | -.00005 | -.00669 | .00053 | .00029 | -.01345 | .00056 | -.00042 |
| #2 | -.00016 | -.04845 | .00056 | .00015 | .00435  | .00034 | -.00049 |

|        |         |         |         |        |        |         |         |
|--------|---------|---------|---------|--------|--------|---------|---------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.01701 | -.00009 | -.00042 | .00329 | .00463 | -.00043 | -.00195 |
| Stddev | .02208  | .00014  | .01025  | .00335 | .00309 | .00092  | .00102  |
| %RSD   | 129.85  | 168.47  | 2456.5  | 101.97 | 66.585 | 212.68  | 52.066  |

|    |         |         |         |        |        |         |         |
|----|---------|---------|---------|--------|--------|---------|---------|
| #1 | -.00139 | .00002  | -.00767 | .00565 | .00245 | -.00108 | -.00123 |
| #2 | -.03262 | -.00019 | .00683  | .00092 | .00682 | .00022  | -.00267 |

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .00383 | .0009  | .00001 | F<.00000 | F .07652 |
| Stddev | .00066 | .0019  | .00004 | .20476   | .01549   |
| %RSD   | 17.093 | 223.2  | 323.29 | 15.557   | 20.245   |

|    |        |        |         |         |        |
|----|--------|--------|---------|---------|--------|
| #1 | .00430 | .0022  | -.00002 | -1.4610 | .06557 |
| #2 | .00337 | -.0005 | .00004  | -1.1714 | .08748 |

Sample Name: CCB04      Acquired: 10/3/2018 16:26:42      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RICH-REC-ROA      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       | 3211.3 | 71626. | 5637.0 | 124.51 | 4584.4 |
| Stddev    | 6.6    | 226.   | 4.2    | 1.46   | 4.8    |
| %RSD      | .20432 | .31511 | .07538 | 1.1694 | .10448 |
| #1        | 3206.7 | 71786. | 5640.0 | 123.48 | 4581.0 |
| #2        | 3215.9 | 71467. | 5634.0 | 125.54 | 4587.8 |

Sample Name: J5033-08DL2X4      Acquired: 10/3/2018 16:30:47      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00026 | -.00124 | .00038 | .00132 | .00152 | .03218 | .02394 | -.00001 |
| Stddev | .00013 | .00035  | .00022 | .00010 | .00014 | .01160 | .00063 | .00010  |
| %RSD   | 50.059 | 28.578  | 58.228 | 7.4565 | 9.3306 | 36.038 | 2.6120 | 935.80  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .00035 | -.00149 | .00054 | .00125 | .00162 | .02398 | .02438 | -.00008 |
| #2 | .00017 | -.00099 | .00022 | .00139 | .00142 | .04038 | .02349 | .00006  |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 6.7788 | .01636 | .00172 | .00246 | .13664 | .02831 | 1.9049 |
| Stddev | .00005  | .0069  | .00027 | .00000 | .00031 | .00201 | .00072 | .0319  |
| %RSD   | 69.790  | .10223 | 1.6648 | .03894 | 12.731 | 1.4735 | 2.5468 | 1.6775 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00011 | 6.7837 | .01655 | .00172 | .00223 | .13806 | .02882 | 1.8823 |
| #2 | -.00004 | 6.7739 | .01616 | .00172 | .00268 | .13521 | .02780 | 1.9275 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00914 | -.00005 | 27.509 | -.00007 | .02394 | .90381 | .00130 | .00760 |
| Stddev | .00012 | .00032  | .106   | .00003  | .00011 | .01154 | .00011 | .01298 |
| %RSD   | 1.2943 | 600.22  | .38369 | 46.663  | .46649 | 1.2774 | 8.3891 | 170.91 |

|    |        |         |        |         |        |        |        |         |
|----|--------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00922 | .00017  | 27.583 | -.00009 | .02386 | .89564 | .00123 | -.00158 |
| #2 | .00905 | -.00028 | 27.434 | -.00005 | .02402 | .91197 | .00138 | .01677  |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4481 | 1.3786 | -.00042 | -.00163 | .00402 | .0005  | .05594 | .13778 |
| Stddev | .0000  | .0073  | .00009  | .00160  | .00044 | .0029  | .00002 | 2.0062 |
| %RSD   | .00123 | .52671 | 22.206  | 97.851  | 10.882 | 590.0  | .04091 | 1456.0 |

|    |        |        |         |         |        |        |        |         |
|----|--------|--------|---------|---------|--------|--------|--------|---------|
| #1 | 2.4481 | 1.3837 | -.00035 | -.00050 | .00371 | .0026  | .05593 | 1.5564  |
| #2 | 2.4482 | 1.3734 | -.00048 | -.00276 | .00433 | -.0016 | .05596 | -1.2808 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .54226 |
| Stddev | .26869 |
| %RSD   | 49.551 |

|    |        |
|----|--------|
| #1 | .73225 |
| #2 | .35226 |

Sample Name: J5033-08DL2X4      Acquired: 10/3/2018 16:30:47      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3124.1 | 68007. | 5540.6 | 124.48 | 4442.0 |
| Stddev    | 4.3    | 1947.  | 5.6    | .11    | 1.7    |
| %RSD      | .13727 | 2.8631 | .10048 | .08533 | .03883 |
| #1        | 3121.1 | 66630. | 5544.5 | 124.55 | 4440.8 |
| #2        | 3127.1 | 69384. | 5536.7 | 124.40 | 4443.3 |

Sample Name: J5033-32DLX2      Acquired: 10/3/2018 16:34:50      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00134 | -.00164 | -.00104 | .00094 | .00031 | .02238 | .02147 |
| Stddev | .00209  | .00189  | .00009  | .00521 | .00032 | .00191 | .00064 |
| %RSD   | 155.86  | 115.00  | 9.1244  | 555.65 | 105.83 | 8.5341 | 2.9888 |

|    |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00282 | -.00031 | -.00110 | -.00275 | .00008 | .02103 | .02102 |
| #2 | .00014  | -.00298 | -.00097 | .00462  | .00054 | .02373 | .02192 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00003 | .00005 | 8.3881 | .00320 | .00146 | .34618 | .06712 |
| Stddev | .00000 | .00005 | .0030  | .00077 | .00006 | .00005 | .01053 |
| %RSD   | .41425 | 106.31 | .03555 | 23.982 | 3.9525 | .01365 | 15.684 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00003 | .00001 | 8.3903 | .00375 | .00141 | .34621 | .05968 |
| #2 | .00003 | .00008 | 8.3860 | .00266 | .00150 | .34615 | .07456 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02641 | 2.4341 | .00269 | -.00057 | 48.723 | .00231 | .08925 |
| Stddev | .00001 | .0221  | .00035 | .00059  | .171   | .00015 | .00156 |
| %RSD   | .02617 | .90598 | 13.072 | 103.80  | .35029 | 6.3624 | 1.7526 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .02642 | 2.4185 | .00244 | -.00098 | 48.603 | .00242 | .08814 |
| #2 | .02641 | 2.4496 | .00294 | -.00015 | 48.844 | .00221 | .09036 |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 1.2640 | .08408 | .02459 | 3.0837 | 2.0184 | .00092 | -.00015 |
| Stddev | .0555  | .00057 | .01104 | .0166  | .0197  | .00039 | .00063  |
| %RSD   | 4.3888 | .67553 | 44.909 | .53804 | .97459 | 41.733 | 411.73  |

|    |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|---------|
| #1 | 1.2248 | .08448 | .01678 | 3.0955 | 2.0045 | .00065 | .00029  |
| #2 | 1.3033 | .08368 | .03240 | 3.0720 | 2.0323 | .00120 | -.00060 |

|        |        |        |        |          |         |  |  |
|--------|--------|--------|--------|----------|---------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859  |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm     |  |  |
| Avg    | .00326 | .0850  | .05950 | F<.00000 | <.00000 |  |  |
| Stddev | .00106 | .0010  | .00002 | .26890   | .02053  |  |  |
| %RSD   | 32.614 | 1.209  | .02758 | 20.354   | 20.838  |  |  |

|    |        |       |        |         |         |  |  |
|----|--------|-------|--------|---------|---------|--|--|
| #1 | .00402 | .0842 | .05951 | -1.1310 | -.11302 |  |  |
| #2 | .00251 | .0857 | .05948 | -1.5113 | -.08399 |  |  |

Sample Name: J5033-32DLX2      Acquired: 10/3/2018 16:34:50      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3140.0 | 70241. | 5651.6 | 123.87 | 4441.1 |
| Stddev    | 2.7    | 224.   | 7.2    | 2.61   | 9.4    |
| %RSD      | .08527 | .31918 | .12814 | 2.1066 | .21201 |
| #1        | 3141.8 | 70083. | 5656.7 | 125.72 | 4434.4 |
| #2        | 3138.1 | 70400. | 5646.5 | 122.03 | 4447.7 |



Sample Name: J5033-33DLX2      Acquired: 10/3/2018 16:38:51      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00419 | -.00107 | -.00106 | -.00029 | -.00093 | .30406 | .02003 |
| Stddev | .00049  | .00026  | .00013  | .00305  | .00286  | .01202 | .00052 |
| %RSD   | 11.804  | 23.770  | 11.779  | 1048.8  | 308.42  | 3.9542 | 2.5794 |

|    |         |         |         |         |         |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|
| #1 | -.00453 | -.00089 | -.00097 | .00187  | -.00295 | .29556 | .02040 |
| #2 | -.00384 | -.00126 | -.00115 | -.00245 | .00110  | .31257 | .01967 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00001 | .00004 | 6.4575 | .04094 | .00076 | .00143 | .67825 |
| Stddev | .00003 | .00001 | .0143  | .00006 | .00002 | .00010 | .00238 |
| %RSD   | 380.89 | 14.473 | .22093 | .15562 | 3.1251 | 7.0530 | .35037 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00003  | .00004 | 6.4474 | .04099 | .00074 | .00150 | .67657 |
| #2 | -.00001 | .00004 | 6.4676 | .04090 | .00078 | .00136 | .67993 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01986 | 2.1287 | .02406 | .00033 | 38.340 | .00109 | .01503 |
| Stddev | .00005 | .0170  | .00047 | .00059 | .056   | .00004 | .00012 |
| %RSD   | .22673 | .79836 | 1.9412 | 177.23 | .14599 | 3.4348 | .79853 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .01982 | 2.1167 | .02373 | -.00008 | 38.300 | .00111 | .01495 |
| #2 | .01989 | 2.1407 | .02439 | .00074  | 38.379 | .00106 | .01512 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .83908 | .00108 | .01143 | 3.0984 | 1.9890 | -.00074 | .01357 |
| Stddev | .00078 | .00032 | .00912 | .0667  | .0199  | .00002  | .00250 |
| %RSD   | .09256 | 29.233 | 79.754 | 2.1535 | .99873 | 2.2001  | 18.450 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .83853 | .00086 | .01788 | 3.0512 | 1.9750 | -.00073 | .01180 |
| #2 | .83963 | .00130 | .00498 | 3.1455 | 2.0030 | -.00075 | .01535 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .00405 | .0008  | .04277 | F<.00000 | .45745 |  |  |
| Stddev | .00134 | .0007  | .00030 | .36911   | .06728 |  |  |
| %RSD   | 33.136 | 91.34  | .70468 | 24.586   | 14.708 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .00310 | .0013 | .04256 | -1.7623 | .40988 |  |  |
| #2 | .00499 | .0003 | .04299 | -1.2403 | .50503 |  |  |

Sample Name: J5033-33DLX2      Acquired: 10/3/2018 16:38:51      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3203.0 | 70524. | 5616.7 | 125.14 | 4551.7 |
| Stddev    | 48.3   | 199.   | 19.6   | .85    | 69.1   |
| %RSD      | 1.5070 | .28162 | .34946 | .67853 | 1.5178 |
| #1        | 3237.1 | 70665. | 5630.6 | 125.74 | 4600.6 |
| #2        | 3168.8 | 70384. | 5602.8 | 124.54 | 4502.9 |

Sample Name: PB113473BL      Acquired: 10/3/2018 16:42:55      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00286 | -.00175 | -.00128 | -.00303 | -.00082 | .02228 | -.00037 |
| Stddev | .00056  | .00088  | .00016  | .00165  | .00031  | .01106 | .00023  |
| %RSD   | 19.524  | 50.333  | 12.498  | 54.490  | 37.995  | 49.627 | 62.692  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00326 | -.00112 | -.00117 | -.00186 | -.00103 | .03010 | -.00054 |
| #2 | -.00247 | -.00237 | -.00140 | -.00419 | -.00060 | .01446 | -.00021 |

|        |         |         |        |         |         |         |        |
|--------|---------|---------|--------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00003 | -.00004 | .02255 | -.00028 | -.00026 | -.00058 | .00347 |
| Stddev | .00002  | .00002  | .00364 | .00013  | .00017  | .00004  | .00258 |
| %RSD   | 81.157  | 56.509  | 16.159 | 47.188  | 67.984  | 6.4180  | 74.521 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | -.00004 | -.00002 | .02513 | -.00037 | -.00038 | -.00055 | .00164 |
| #2 | -.00001 | -.00006 | .01997 | -.00018 | -.00013 | -.00061 | .00529 |

|        |         |        |        |         |        |         |         |
|--------|---------|--------|--------|---------|--------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00014 | .04392 | .00062 | -.00022 | .00716 | -.00063 | -.00045 |
| Stddev | .00008  | .06932 | .00033 | .00100  | .00032 | .00010  | .00007  |
| %RSD   | 56.791  | 157.82 | 53.826 | 451.70  | 4.4145 | 16.474  | 16.290  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00008 | -.00509 | .00086 | -.00092 | .00693 | -.00070 | -.00050 |
| #2 | -.00019 | .09294  | .00038 | .00048  | .00738 | -.00056 | -.00039 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00588 | -.00058 | -.00896 | -.00166 | -.00488 | -.00012 | -.00119 |
| Stddev | .03128  | .00010  | .00395  | .00163  | .00007  | .00131  | .00012  |
| %RSD   | 532.38  | 16.937  | 44.096  | 98.381  | 1.4579  | 1049.1  | 9.6690  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.02800 | -.00065 | -.01176 | -.00281 | -.00493 | .00080  | -.00127 |
| #2 | .01624  | -.00051 | -.00617 | -.00050 | -.00483 | -.00105 | -.00111 |

|        |        |        |         |          |          |  |  |
|--------|--------|--------|---------|----------|----------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |  |  |
| Avg    | .00315 | -.0001 | -.00011 | F<.00000 | F .20327 |  |  |
| Stddev | .00034 | .0051  | .00009  | .78775   | .27483   |  |  |
| %RSD   | 10.685 | 7960.  | 76.110  | 69.217   | 135.20   |  |  |

|    |        |        |         |         |        |  |  |
|----|--------|--------|---------|---------|--------|--|--|
| #1 | .00339 | .0036  | -.00005 | -1.6951 | .00894 |  |  |
| #2 | .00291 | -.0037 | -.00017 | -.58106 | .39761 |  |  |

Sample Name: PB113473BL      Acquired: 10/3/2018 16:42:55      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3209.8 | 70581. | 5629.7 | 122.87 | 4580.7 |
| Stddev    | 2.9    | 1423.  | 39.5   | 2.26   | 12.2   |
| %RSD      | .09164 | 2.0166 | .70201 | 1.8367 | .26587 |
| #1        | 3207.7 | 71587. | 5657.6 | 121.28 | 4572.1 |
| #2        | 3211.9 | 69574. | 5601.7 | 124.47 | 4589.3 |

Sample Name: PB113473BS      Acquired: 10/3/2018 16:46:59      Type: Unk  
Method: P4-ICP2(v2474)      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    | .74116 | 1.9607 | .95523 | 1.9261 | .77235 | 1.9054 | .19045 |
| Stddev | .00159 | .0060  | .00025 | .0085  | .00105 | .0398  | .00037 |
| %RSD   | .21393 | .30640 | .02567 | .44238 | .13558 | 2.0864 | .19600 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74228 | 1.9650 | .95540 | 1.9321 | .77309 | 1.9335 | .19072 |
| #2 | .74004 | 1.9565 | .95505 | 1.9201 | .77161 | 1.8773 | .19019 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18962 | .19047 | 1.0452 | .39685 | .19460 | .30458 | 3.0115 |
| Stddev | .00586 | .00002 | .0143  | .01097 | .00037 | .00110 | .0752  |
| %RSD   | 3.0878 | .00809 | 1.3705 | 2.7637 | .19172 | .36154 | 2.4964 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19376 | .19048 | 1.0350 | .40461 | .19434 | .30380 | 3.0646 |
| #2 | .18548 | .19046 | 1.0553 | .38910 | .19487 | .30536 | 2.9583 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20154 | 2.0306 | .49439 | .07011 | 3.1148 | .28815 | .20119 |
| Stddev | .00638 | .0665  | .00025 | .00189 | .0126  | .01031 | .00783 |
| %RSD   | 3.1638 | 3.2729 | .05060 | 2.7022 | .40508 | 3.5786 | 3.8916 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20605 | 1.9836 | .49457 | .07145 | 3.1058 | .29545 | .20672 |
| #2 | .19703 | 2.0776 | .49421 | .06877 | 3.1237 | .28086 | .19565 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.263 | .39458 | .28416 | F -.00652 | .91794 | .66775 | .19913 |
| Stddev | .046   | .00077 | .00413 | .00203    | .01226 | .00041 | .00207 |
| %RSD   | .44738 | .19511 | 1.4551 | 31.122    | 1.3351 | .06082 | 1.0402 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.295 | .39513 | .28124 | -.00795 | .92661 | .66746 | .20059 |
| #2 | 10.230 | .39404 | .28708 | -.00508 | .90928 | .66804 | .19766 |

|        |        |        |        |          |          |  |  |
|--------|--------|--------|--------|----------|----------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |  |  |
| Avg    | .21150 | 5.423  | .20753 | F<.00000 | F .38230 |  |  |
| Stddev | .00250 | .033   | .00106 | 1.6704   | .07821   |  |  |
| %RSD   | 1.1814 | .6167  | .51044 | 94.154   | 20.458   |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .20974 | 5.447 | .20828 | -.59297 | .43761 |  |  |
| #2 | .21327 | 5.399 | .20678 | -2.9553 | .32700 |  |  |

Sample Name: PB113473BS      Acquired: 10/3/2018 16:46:59      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3177.8 | 72405. | 5580.9 | 122.02 | 4492.3 |
| Stddev    | 9.9    | 2064.  | 79.5   | 4.66   | 9.6    |
| %RSD      | .31283 | 2.8507 | 1.4242 | 3.8195 | .21452 |
| #1        | 3170.8 | 70945. | 5524.7 | 118.72 | 4485.5 |
| #2        | 3184.8 | 73864. | 5637.1 | 125.31 | 4499.2 |

Sample Name: PB113473TB      Acquired: 10/3/2018 16:50:49      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00122 | -.00312 | -.00017 | .00288 | .00079 | .02029 | -.00063 |
| Stddev | .00083  | .00037  | .00056  | .00244 | .00126 | .01029 | .00027  |
| %RSD   | 67.843  | 11.923  | 334.09  | 84.446 | 160.18 | 50.694 | 43.650  |

|    |         |         |         |        |         |        |         |
|----|---------|---------|---------|--------|---------|--------|---------|
| #1 | -.00064 | -.00285 | .00023  | .00461 | -.00010 | .01302 | -.00043 |
| #2 | -.00181 | -.00338 | -.00056 | .00116 | .00168  | .02757 | -.00082 |

|        |         |         |        |        |         |         |        |
|--------|---------|---------|--------|--------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00010 | -.00004 | .03011 | .00038 | -.00023 | -.00018 | .00528 |
| Stddev | .00002  | .00004  | .01223 | .00039 | .00020  | .00040  | .00796 |
| %RSD   | 16.377  | 120.62  | 40.613 | 103.90 | 84.553  | 221.51  | 150.87 |

|    |         |         |        |        |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|
| #1 | -.00009 | -.00007 | .03876 | .00010 | -.00009 | .00010  | -.00035 |
| #2 | -.00011 | -.00001 | .02146 | .00066 | -.00037 | -.00047 | .01090  |

|        |         |        |        |         |          |         |        |
|--------|---------|--------|--------|---------|----------|---------|--------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895   | V_2924  | Zn2138 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm      | ppm     | ppm    |
| Avg    | -.00011 | .03343 | .00076 | -.00000 | F 303.72 | -.00016 | .00322 |
| Stddev | .00004  | .06716 | .00021 | .00028  | 2.52     | .00023  | .00003 |
| %RSD   | 33.173  | 200.92 | 27.666 | 5671.2  | .83013   | 143.24  | 1.0303 |

|    |         |         |        |         |        |         |        |
|----|---------|---------|--------|---------|--------|---------|--------|
| #1 | -.00008 | -.01406 | .00091 | -.00020 | 301.94 | .00000  | .00319 |
| #2 | -.00014 | .08091  | .00062 | .00019  | 305.50 | -.00033 | .00324 |

|        |        |         |         |        |        |        |         |
|--------|--------|---------|---------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .05389 | -.00034 | -.00504 | .00336 | .00316 | .00157 | -.00093 |
| Stddev | .00020 | .00012  | .00659  | .00146 | .00019 | .00020 | .00081  |
| %RSD   | .36254 | 36.037  | 130.62  | 43.276 | 5.9614 | 12.997 | 87.170  |

|    |        |         |         |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|---------|
| #1 | .05403 | -.00026 | -.00039 | .00233 | .00329 | .00171 | -.00036 |
| #2 | .05375 | -.00043 | -.00970 | .00439 | .00302 | .00142 | -.00150 |

|        |        |        |         |          |          |  |  |
|--------|--------|--------|---------|----------|----------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |  |  |
| Avg    | .00417 | -.0031 | -.00002 | F 2.8668 | F 1.1690 |  |  |
| Stddev | .00087 | .0010  | .00006  | 1.2838   | .3578    |  |  |
| %RSD   | 20.854 | 31.02  | 246.26  | 44.782   | 30.608   |  |  |

|    |        |        |         |        |        |  |  |
|----|--------|--------|---------|--------|--------|--|--|
| #1 | .00355 | -.0024 | -.00007 | 1.9590 | 1.4220 |  |  |
| #2 | .00478 | -.0038 | .00002  | 3.7745 | .91601 |  |  |

Sample Name: PB113473TB      Acquired: 10/3/2018 16:50:49      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3041.8 | 65564. | 5515.9 | 117.93 | 4110.2 |
| Stddev    | 3.4    | 2084.  | 26.1   | 1.12   | 12.4   |
| %RSD      | .11220 | 3.1792 | .47374 | .94938 | .30209 |
| #1        | 3044.3 | 67038. | 5534.4 | 118.72 | 4119.0 |
| #2        | 3039.4 | 64090. | 5497.4 | 117.14 | 4101.5 |



Sample Name: PB113474BL      Acquired: 10/3/2018 16:54:59      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00368 | -.00046 | -.00078 | -.00199 | -.00196 | .01147 | -.00045 |
| Stddev | .00247  | .00024  | .00020  | .00073  | .00088  | .00721 | .00078  |
| %RSD   | 67.083  | 53.327  | 25.418  | 36.571  | 44.936  | 62.841 | 173.71  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00543 | -.00063 | -.00092 | -.00251 | -.00258 | .01656 | -.00100 |
| #2 | -.00194 | -.00029 | -.00064 | -.00148 | -.00134 | .00637 | .00010  |

|        |         |         |        |         |         |         |        |
|--------|---------|---------|--------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00002 | -.00002 | .01700 | -.00014 | -.00003 | -.00027 | .00157 |
| Stddev | .00000  | .00001  | .00440 | .00019  | .00003  | .00059  | .01240 |
| %RSD   | 6.1988  | 52.134  | 25.891 | 136.83  | 79.485  | 216.32  | 788.10 |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00002 | -.00003 | .02011 | -.00000 | -.00005 | -.00069 | -.00720 |
| #2 | -.00002 | -.00001 | .01389 | -.00028 | -.00002 | .00015  | .01034  |

|        |         |        |        |         |        |        |         |
|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00012 | .00456 | .00028 | -.00026 | .02332 | .00017 | -.00054 |
| Stddev | .00002  | .04110 | .00009 | .00034  | .00694 | .00015 | .00007  |
| %RSD   | 12.535  | 902.16 | 30.602 | 126.91  | 29.771 | 89.380 | 13.361  |

|    |         |         |        |         |        |        |         |
|----|---------|---------|--------|---------|--------|--------|---------|
| #1 | -.00011 | .03361  | .00022 | -.00003 | .02823 | .00006 | -.00049 |
| #2 | -.00014 | -.02450 | .00035 | -.00050 | .01841 | .00027 | -.00059 |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00854 | -.00050 | -.01109 | -.00378 | -.00214 | -.00044 | -.00072 |
| Stddev | .03896  | .00029  | .00335  | .00515  | .00148  | .00020  | .00063  |
| %RSD   | 456.01  | 58.679  | 30.199  | 136.28  | 69.393  | 46.268  | 87.647  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .01900  | -.00070 | -.01345 | -.00742 | -.00109 | -.00058 | -.00027 |
| #2 | -.03609 | -.00029 | -.00872 | -.00014 | -.00318 | -.00029 | -.00117 |

|        |          |        |         |          |          |  |  |
|--------|----------|--------|---------|----------|----------|--|--|
| Elem   | Li6707   | P_1774 | Sr4077  | U_3670   | U_3859   |  |  |
| Units  | ppm      | ppm    | ppm     | ppm      | ppm      |  |  |
| Avg    | F .00553 | -.0022 | -.00006 | F<.00000 | F .49115 |  |  |
| Stddev | .00035   | .0000  | .00020  | .04922   | .31684   |  |  |
| %RSD   | 6.3469   | .1328  | 335.88  | 4.8693   | 64.510   |  |  |

|    |        |        |         |         |        |  |  |
|----|--------|--------|---------|---------|--------|--|--|
| #1 | .00578 | -.0022 | .00008  | -.97606 | .71519 |  |  |
| #2 | .00529 | -.0022 | -.00020 | -1.0457 | .26711 |  |  |

Sample Name: PB113474BL      Acquired: 10/3/2018 16:54:59      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3211.6 | 71498. | 5652.2 | 124.58 | 4565.8 |
| Stddev    | 18.0   | 665.   | 40.7   | .50    | 30.8   |
| %RSD      | .55991 | .93037 | .72003 | .39904 | .67517 |
| #1        | 3224.3 | 71027. | 5623.4 | 124.23 | 4587.6 |
| #2        | 3198.9 | 71968. | 5681.0 | 124.93 | 4544.0 |

Sample Name: PB113474BS      Acquired: 10/3/2018 16:59:02      Type: Unk  
Method: P4-ICP2(v2474)      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    | .70206 | 1.8558 | .91309 | 1.7589 | .74496 | 1.9115 | .18801 |
| Stddev | .00569 | .0075  | .00587 | .0075  | .00112 | .0058  | .00473 |
| %RSD   | .81094 | .40376 | .64277 | .42675 | .14986 | .30185 | 2.5168 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .69804 | 1.8505 | .90894 | 1.7642 | .74417 | 1.9156 | .19135 |
| #2 | .70609 | 1.8611 | .91724 | 1.7536 | .74575 | 1.9074 | .18466 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18117 | .17986 | 1.0444 | .40258 | .19005 | .29036 | 2.9564 |
| Stddev | .00048 | .00127 | .0371  | .00000 | .00039 | .00093 | .0907  |
| %RSD   | .26271 | .70732 | 3.5473 | .00032 | .20708 | .32065 | 3.0680 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18150 | .17896 | 1.0706 | .40258 | .18977 | .28970 | 3.0206 |
| #2 | .18083 | .18076 | 1.0182 | .40258 | .19033 | .29102 | 2.8923 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20313 | 2.0153 | .47396 | .06698 | 3.0785 | .29561 | .18909 |
| Stddev | .00027 | .0289  | .00272 | .00013 | .0513  | .00033 | .00384 |
| %RSD   | .13361 | 1.4323 | .57319 | .19908 | 1.6667 | .11228 | 2.0318 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20333 | 2.0357 | .47204 | .06708 | 3.1148 | .29584 | .19181 |
| #2 | .20294 | 1.9949 | .47588 | .06689 | 3.0423 | .29537 | .18637 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.196 | .39595 | .29056 | F -.00486 | .88254 | .64270 | .20102 |
| Stddev | .182   | .00178 | .00964 | .00014    | .00576 | .00047 | .00464 |
| %RSD   | 1.7825 | .44946 | 3.3177 | 2.9772    | .65294 | .07379 | 2.3071 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.325 | .39469 | .29738 | -.00476 | .88662 | .64237 | .20430 |
| #2 | 10.068 | .39721 | .28375 | -.00497 | .87847 | .64304 | .19774 |

|        |        |        |        |          |          |  |  |
|--------|--------|--------|--------|----------|----------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |  |  |
| Avg    | .21107 | 5.105  | .20750 | F<.00000 | F .98618 |  |  |
| Stddev | .00388 | .025   | .00433 | .15411   | .09531   |  |  |
| %RSD   | 1.8391 | .4798  | 2.0884 | 23.165   | 9.6644   |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .21382 | 5.087 | .21056 | -.55629 | .91879 |  |  |
| #2 | .20833 | 5.122 | .20443 | -.77422 | 1.0536 |  |  |

Sample Name: PB113474BS      Acquired: 10/3/2018 16:59:02      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3177.2 | 70969. | 5552.4 | 122.32 | 4508.0 |
| Stddev    | 9.6    | 328.   | 43.6   | 2.56   | 13.2   |
| %RSD      | .30269 | .46165 | .78443 | 2.0912 | .29252 |
| #1        | 3184.0 | 70738. | 5521.6 | 120.51 | 4517.3 |
| #2        | 3170.4 | 71201. | 5583.2 | 124.12 | 4498.7 |

Sample Name: PB113474TB      Acquired: 10/3/2018 17:02:51      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00537 | -.00207 | -.00035 | .00264 | -.00199 | .00514 | -.00112 |
| Stddev | .00114  | .00017  | .00018  | .00050 | .00164  | .00109 | .00027  |
| %RSD   | 21.155  | 8.3445  | 52.687  | 19.031 | 82.648  | 21.235 | 24.018  |

|    |         |         |         |        |         |        |         |
|----|---------|---------|---------|--------|---------|--------|---------|
| #1 | -.00457 | -.00195 | -.00022 | .00229 | -.00083 | .00437 | -.00093 |
| #2 | -.00618 | -.00219 | -.00048 | .00300 | -.00315 | .00591 | -.00131 |

|        |        |         |        |        |         |         |        |
|--------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00002 | -.00009 | .03144 | .00033 | -.00008 | -.00028 | .00040 |
| Stddev | .00001 | .00010  | .00687 | .00010 | .00012  | .00000  | .00227 |
| %RSD   | 59.717 | 111.95  | 21.848 | 30.716 | 155.48  | 1.1826  | 573.62 |

|    |        |         |        |        |         |         |         |
|----|--------|---------|--------|--------|---------|---------|---------|
| #1 | .00001 | -.00016 | .02658 | .00040 | .00001  | -.00028 | .00200  |
| #2 | .00003 | -.00002 | .03630 | .00026 | -.00016 | -.00028 | -.00121 |

|        |        |        |        |        |          |         |        |
|--------|--------|--------|--------|--------|----------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895   | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm     | ppm    |
| Avg    | .00001 | .00079 | .00074 | .00017 | F 329.69 | -.00035 | .00274 |
| Stddev | .00001 | .07702 | .00064 | .00014 | 1.69     | .00027  | .00013 |
| %RSD   | 65.548 | 9809.8 | 86.017 | 82.208 | .51152   | 79.132  | 4.6726 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | .00001 | -.05368 | .00119 | .00026 | 328.50 | -.00015 | .00265 |
| #2 | .00002 | .05525  | .00029 | .00007 | 330.89 | -.00054 | .00283 |

|        |        |         |         |        |        |        |         |
|--------|--------|---------|---------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .05827 | -.00016 | -.00988 | .00025 | .00179 | .00186 | -.00070 |
| Stddev | .02512 | .00010  | .00867  | .00168 | .00357 | .00029 | .00085  |
| %RSD   | 43.108 | 60.331  | 87.735  | 681.26 | 199.00 | 15.835 | 121.31  |

|    |        |         |         |         |         |        |         |
|----|--------|---------|---------|---------|---------|--------|---------|
| #1 | .07603 | -.00023 | -.01602 | -.00094 | -.00073 | .00165 | -.00010 |
| #2 | .04051 | -.00009 | -.00375 | .00144  | .00432  | .00207 | -.00130 |

|        |        |        |         |          |          |
|--------|--------|--------|---------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg    | .00369 | -.0014 | -.00011 | F 3.0929 | F 1.9641 |
| Stddev | .00042 | .0004  | .00004  | .0680    | .0985    |
| %RSD   | 11.457 | 26.60  | 33.129  | 2.1983   | 5.0167   |

|    |        |        |         |        |        |
|----|--------|--------|---------|--------|--------|
| #1 | .00339 | -.0011 | -.00008 | 3.0448 | 1.8944 |
| #2 | .00399 | -.0016 | -.00013 | 3.1410 | 2.0338 |

Sample Name: PB113474TB      Acquired: 10/3/2018 17:02:51      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3004.0 | 66325. | 5537.3 | 120.82 | 4065.2 |
| Stddev    | 35.4   | 13.    | 29.0   | .98    | 59.7   |
| %RSD      | 1.1770 | .01969 | .52426 | .80874 | 1.4690 |
| #1        | 3029.0 | 66335. | 5516.8 | 120.13 | 4107.4 |
| #2        | 2979.0 | 66316. | 5557.8 | 121.51 | 4022.9 |

Sample Name: PB113466BL      Acquired: 10/3/2018 17:07:01      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00355 | -.00103 | -.00073 | .00076 | -.00088 | .00706 | .00006 |
| Stddev | .00069  | .00021  | .00002  | .00266 | .00103  | .00691 | .00099 |
| %RSD   | 19.401  | 20.441  | 3.3052  | 349.63 | 117.54  | 97.967 | 1649.0 |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00403 | -.00088 | -.00071 | -.00112 | -.00161 | .00217 | -.00064 |
| #2 | -.00306 | -.00118 | -.00075 | .00264  | -.00015 | .01195 | .00076  |

|        |        |         |        |         |        |         |         |
|--------|--------|---------|--------|---------|--------|---------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00006 | -.00001 | .00558 | -.00008 | .00004 | -.00022 | -.00190 |
| Stddev | .00002 | .00007  | .00888 | .00007  | .00006 | .00021  | .02029  |
| %RSD   | 31.106 | 515.14  | 159.10 | 86.873  | 138.77 | 91.281  | 1069.1  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00008 | .00003  | .01187  | -.00014 | .00008 | -.00008 | -.01624 |
| #2 | .00005 | -.00006 | -.00070 | -.00003 | .00000 | -.00037 | .01245  |

|        |         |        |        |         |        |        |         |
|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00017 | .00508 | .00098 | -.00039 | .04448 | .00024 | -.00054 |
| Stddev | .00001  | .05735 | .00025 | .00075  | .00617 | .00011 | .00015  |
| %RSD   | 6.2338  | 1128.8 | 25.615 | 194.93  | 13.865 | 47.207 | 28.019  |

|    |         |         |        |         |        |        |         |
|----|---------|---------|--------|---------|--------|--------|---------|
| #1 | -.00018 | -.03547 | .00081 | -.00092 | .04012 | .00016 | -.00043 |
| #2 | -.00016 | .04564  | .00116 | .00015  | .04884 | .00032 | -.00064 |

|        |        |         |         |         |         |        |         |
|--------|--------|---------|---------|---------|---------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .02426 | -.00034 | -.01517 | -.00335 | -.00060 | .00045 | -.00108 |
| Stddev | .06717 | .00001  | .01004  | .00152  | .00306  | .00036 | .00052  |
| %RSD   | 276.86 | 2.8879  | 66.149  | 45.275  | 512.49  | 79.776 | 47.946  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | .07176  | -.00035 | -.00808 | -.00228 | .00156  | .00020 | -.00071 |
| #2 | -.02324 | -.00033 | -.02227 | -.00442 | -.00276 | .00071 | -.00145 |

|        |          |        |        |          |          |
|--------|----------|--------|--------|----------|----------|
| Elem   | Li6707   | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm      |
| Avg    | F .00516 | -.0022 | .00003 | F<.00000 | F .42836 |
| Stddev | .00139   | .0003  | .00003 | .19987   | .28825   |
| %RSD   | 26.922   | 12.59  | 111.76 | 558.30   | 67.290   |

|    |        |        |        |         |        |
|----|--------|--------|--------|---------|--------|
| #1 | .00418 | -.0020 | .00001 | -.17713 | .22454 |
| #2 | .00614 | -.0024 | .00005 | .10553  | .63219 |

Sample Name: PB113466BL      Acquired: 10/3/2018 17:07:01      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3221.0 | 71444. | 5435.3 | 119.65 | 4583.0 |
| Stddev    | 10.3   | 8.     | 161.3  | 4.86   | 13.5   |
| %RSD      | .31845 | .01127 | 2.9675 | 4.0657 | .29540 |
| #1        | 3213.7 | 71438. | 5549.4 | 123.09 | 4573.5 |
| #2        | 3228.2 | 71449. | 5321.3 | 116.21 | 4592.6 |



Sample Name: CCV05      Acquired: 10/3/2018 17:11:05      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV13939      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1055 | 5.2061 | 5.1934 | 5.2292 | 5.3235 | 10.698 | 10.926 |
| Stddev | .0317  | .0290  | .0186  | .0377  | .0235  | .155   | .055   |
| %RSD   | .62009 | .55743 | .35803 | .72075 | .44091 | 1.4508 | .50610 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.0831 | 5.1856 | 5.1802 | 5.2026 | 5.3069 | 10.588 | 10.965 |
| #2 | 5.1279 | 5.2266 | 5.2065 | 5.2559 | 5.3401 | 10.808 | 10.887 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .26094 | 2.5916 | 26.769 | 1.0615 | 2.6257 | 1.3198 | 5.2534 |
| Stddev | .00006 | .0075  | .069   | .0025  | .0047  | .0082  | .0692  |
| %RSD   | .02132 | .28931 | .25646 | .23480 | .17789 | .61799 | 1.3167 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .26090 | 2.5863 | 26.720 | 1.0598 | 2.6224 | 1.3140 | 5.2045 |
| #2 | .26098 | 2.5970 | 26.817 | 1.0633 | 2.6290 | 1.3255 | 5.3023 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6452 | 26.475 | 2.6318 | 1.3247 | 26.739 | 2.6319 | 2.6041 |
| Stddev | .0060  | .033   | .0094  | .0012  | .105   | .0014  | .0157  |
| %RSD   | .22493 | .12491 | .35736 | .08677 | .39203 | .05410 | .60109 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6410 | 26.452 | 2.6252 | 1.3255 | 26.813 | 2.6309 | 2.5930 |
| #2 | 2.6494 | 26.499 | 2.6385 | 1.3239 | 26.665 | 2.6329 | 2.6152 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 26.920 | 5.3281 | 5.3686 | 5.1243 | 5.2863 | 5.2084 | 5.3611 |
| Stddev | .056   | .0288  | .0064  | .0331  | .0649  | .0193  | .0104  |
| %RSD   | .20971 | .54021 | .11979 | .64563 | 1.2285 | .37012 | .19323 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 26.960 | 5.3078 | 5.3731 | 5.1009 | 5.3322 | 5.1948 | 5.3684 |
| #2 | 26.881 | 5.3485 | 5.3640 | 5.1477 | 5.2403 | 5.2220 | 5.3538 |

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | 4.6141 | 5.347  | 5.4931 | F 2.6122 | F 2.5405 |
| Stddev | .0171  | .008   | .0324  | .0308    | .4744    |
| %RSD   | .37039 | .1569  | .58984 | 1.1780   | 18.675   |

|    |        |       |        |        |        |
|----|--------|-------|--------|--------|--------|
| #1 | 4.6262 | 5.341 | 5.5160 | 2.5905 | 2.2050 |
| #2 | 4.6020 | 5.353 | 5.4702 | 2.6340 | 2.8760 |

Sample Name: CCV05      Acquired: 10/3/2018 17:11:05      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV13939      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       | 3051.1 | 67655. | 5496.9 | 117.43 | 4105.9 |
| Stddev    | 11.3   | 194.   | 49.3   | .44    | 7.0    |
| %RSD      | .36998 | .28721 | .89697 | .37889 | .17115 |
| #1        | 3059.1 | 67793. | 5462.0 | 117.74 | 4110.9 |
| #2        | 3043.1 | 67518. | 5531.8 | 117.12 | 4101.0 |

Sample Name: CCB05      Acquired: 10/3/2018 17:14:49      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB13939      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |        |        |         |
|--------|---------|---------|---------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00050 | -.00041 | -.00070 | -.00017 | .00095 | .00681 | -.00100 |
| Stddev | .00151  | .00174  | .00013  | .00170  | .00229 | .01141 | .00020  |
| %RSD   | 305.58  | 428.04  | 18.841  | 1001.4  | 239.88 | 167.53 | 20.274  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00157 | .00082  | -.00079 | .00103  | .00257  | .01488  | -.00086 |
| #2 | .00058  | -.00164 | -.00060 | -.00137 | -.00066 | -.00126 | -.00114 |

|        |         |         |        |         |        |         |        |
|--------|---------|---------|--------|---------|--------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00002 | -.00000 | .02356 | -.00067 | .00001 | -.00094 | .00661 |
| Stddev | .00010  | .00004  | .02952 | .00022  | .00004 | .00004  | .00447 |
| %RSD   | 531.29  | 1563.5  | 125.31 | 33.543  | 455.96 | 4.5430  | 67.600 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | .00005  | -.00003 | .04444 | -.00083 | .00004  | -.00097 | .00978 |
| #2 | -.00009 | .00003  | .00268 | -.00051 | -.00002 | -.00091 | .00345 |

|        |         |        |        |         |        |        |         |
|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00017 | .01148 | .00048 | -.00011 | .01622 | .00000 | -.00050 |
| Stddev | .00000  | .04075 | .00004 | .00012  | .00057 | .00040 | .00004  |
| %RSD   | .75739  | 354.99 | 7.4595 | 113.34  | 3.5218 | 31177. | 8.2955  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00017 | -.01733 | .00045 | -.00020 | .01582 | .00029  | -.00053 |
| #2 | -.00017 | .04029  | .00050 | -.00002 | .01663 | -.00028 | -.00047 |

|        |        |        |         |         |        |        |         |
|--------|--------|--------|---------|---------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00500 | .00010 | -.00785 | -.00561 | .00047 | .00039 | -.00103 |
| Stddev | .02254 | .00008 | .00394  | .00136  | .00041 | .00021 | .00350  |
| %RSD   | 450.53 | 77.393 | 50.165  | 24.150  | 86.791 | 53.399 | 340.38  |

|    |         |        |         |         |        |        |         |
|----|---------|--------|---------|---------|--------|--------|---------|
| #1 | .02094  | .00015 | -.00507 | -.00465 | .00018 | .00024 | -.00350 |
| #2 | -.01094 | .00005 | -.01064 | -.00657 | .00076 | .00053 | .00145  |

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .00381 | -.0024 | .00003 | F<.00000 | F<.00000 |
| Stddev | .00069 | .0017  | .00001 | .03328   | .37268   |
| %RSD   | 18.046 | 69.51  | 24.714 | 2.2379   | 325.74   |

|    |        |        |        |         |         |
|----|--------|--------|--------|---------|---------|
| #1 | .00332 | -.0012 | .00003 | -1.4636 | .14911  |
| #2 | .00429 | -.0036 | .00002 | -1.5107 | -.37793 |

Sample Name: CCB05      Acquired: 10/3/2018 17:14:49      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB13939      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       | 3201.9 | 71029. | 5587.6 | 122.13 | 4572.7 |
| Stddev    | 3.9    | 200.   | 33.0   | 1.68   | 10.8   |
| %RSD      | .12308 | .28162 | .59041 | 1.3755 | .23701 |
| #1        | 3199.1 | 70887. | 5564.3 | 120.94 | 4565.0 |
| #2        | 3204.7 | 71170. | 5610.9 | 123.32 | 4580.3 |

Sample Name: PB113466BS      Acquired: 10/3/2018 17:18:54      Type: Unk  
Method: P4-ICP2(v2474)      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    | .72677 | 1.9028 | .93904 | 1.8135 | .76198 | 1.9540 | .19629 |
| Stddev | .00219 | .0100  | .00316 | .0014  | .00091 | .0154  | .00880 |
| %RSD   | .30170 | .52665 | .33688 | .07549 | .11949 | .78608 | 4.4838 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72522 | 1.8957 | .93681 | 1.8145 | .76133 | 1.9432 | .20251 |
| #2 | .72832 | 1.9098 | .94128 | 1.8125 | .76262 | 1.9649 | .19007 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18313 | .18523 | 1.0888 | .40501 | .19514 | .29873 | 3.0559 |
| Stddev | .00004 | .00060 | .0489  | .00269 | .00123 | .00038 | .1294  |
| %RSD   | .01919 | .32368 | 4.4886 | .66348 | .62864 | .12635 | 4.2332 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18316 | .18480 | 1.1233 | .40311 | .19427 | .29899 | 3.1473 |
| #2 | .18311 | .18565 | 1.0542 | .40691 | .19601 | .29846 | 2.9644 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20588 | 2.0900 | .48761 | .06766 | 3.2112 | .30040 | .19813 |
| Stddev | .00010 | .0287  | .00139 | .00010 | .1150  | .00011 | .00881 |
| %RSD   | .05092 | 1.3711 | .28583 | .14317 | 3.5807 | .03597 | 4.4448 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20581 | 2.1103 | .48663 | .06759 | 3.2925 | .30032 | .20436 |
| #2 | .20596 | 2.0698 | .48860 | .06772 | 3.1299 | .30047 | .19190 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.554 | .40368 | .29354 | F -.00574 | .89823 | .65671 | .20530 |
| Stddev | .395   | .00116 | .00534 | .00135    | .03303 | .00253 | .00830 |
| %RSD   | 3.7457 | .28718 | 1.8186 | 23.484    | 3.6772 | .38576 | 4.0408 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.834 | .40286 | .29731 | -.00669 | .92159 | .65492 | .21116 |
| #2 | 10.275 | .40450 | .28976 | -.00478 | .87488 | .65850 | .19943 |

|        |        |         |        |          |          |  |  |
|--------|--------|---------|--------|----------|----------|--|--|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm      |  |  |
| Avg    | .21782 | F 5.236 | .21471 | F<.00000 | F 1.0469 |  |  |
| Stddev | .00965 | .020    | .00798 | .49089   | .5913    |  |  |
| %RSD   | 4.4286 | .3885   | 3.7183 | 28.665   | 56.479   |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .22464 | 5.222 | .22035 | -2.0596 | 1.4650 |  |  |
| #2 | .21100 | 5.250 | .20906 | -1.3654 | .62879 |  |  |

Sample Name: PB113466BS      Acquired: 10/3/2018 17:18:54      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3151.7 | 71052. | 5481.9 | 120.75 | 4472.0 |
| Stddev    | 3.9    | 248.   | 241.4  | 5.45   | 5.8    |
| %RSD      | .12427 | .34963 | 4.4030 | 4.5141 | .13046 |
| #1        | 3148.9 | 71228. | 5311.2 | 116.89 | 4476.1 |
| #2        | 3154.4 | 70877. | 5652.6 | 124.60 | 4467.8 |

Sample Name: J5200-01      Acquired: 10/3/2018 17:22:44      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-02-100118      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01801 | -.02412 | .17293 | -.02804 | .00262 | 167.67 | .83242 |
| Stddev | .00241 | .00159  | .00090 | .00559  | .00392 | .17    | .00309 |
| %RSD   | 13.385 | 6.5872  | .51857 | 19.942  | 149.40 | .10333 | .37063 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .01972 | -.02300 | .17357 | -.03200 | .00539  | 167.55 | .83023 |
| #2 | .01631 | -.02525 | .17230 | -.02409 | -.00015 | 167.79 | .83460 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00883 | -.00356 | 60.467 | .24111 | .14342 | .62959 | 273.01 |
| Stddev | .00006 | .00108  | .281   | .00040 | .00033 | .00059 | 8.91   |
| %RSD   | .62682 | 30.296  | .46516 | .16796 | .22766 | .09360 | 3.2652 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00887 | -.00279 | 60.268 | .24140 | .14365 | .63001 | 266.71 |
| #2 | .00879 | -.00432 | 60.666 | .24083 | .14319 | .62918 | 279.32 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.8833 | 68.936 | .25789 | -.00349 | 6.7634 | .41705 | .57116 |
| Stddev | .0673  | .556   | .00061 | .00176  | .0547  | .00015 | .01866 |
| %RSD   | 1.1440 | .80665 | .23714 | 50.403  | .80939 | .03491 | 3.2669 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.8357 | 68.543 | .25746 | -.00473 | 6.7247 | .41715 | .55797 |
| #2 | 5.9309 | 69.329 | .25832 | -.00224 | 6.8021 | .41694 | .58435 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 18.157 | .00106 | .15253 | 4.1150 | 6.5837 | .01103 | 3.7951 |
| Stddev | .131   | .00085 | .00883 | .0264  | .1330  | .00194 | .0220  |
| %RSD   | .72278 | 80.733 | 5.7917 | .64239 | 2.0196 | 17.553 | .58013 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.064 | .00045 | .14628 | 4.0963 | 6.4897 | .00966 | 3.7795 |
| #2 | 18.249 | .00166 | .15878 | 4.1337 | 6.6778 | .01240 | 3.8107 |

|        |        |        |        |          |        |
|--------|--------|--------|--------|----------|--------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | .18168 | 8.192  | .16098 | F<.00000 | 38.349 |
| Stddev | .00203 | .002   | .00001 | .54956   | .216   |
| %RSD   | 1.1183 | .0190  | .00815 | 6.1558   | .56245 |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | .18024 | 8.191 | .16097 | -9.3161 | 38.197 |
| #2 | .18311 | 8.193 | .16099 | -8.5389 | 38.502 |

Sample Name: J5200-01      Acquired: 10/3/2018 17:22:44      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-02-100118      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       | 3456.1 | 76672. | 6481.3 | 120.99 | 3991.6 |
| Stddev    | .9     | 210.   | 46.2   | 3.71   | 10.2   |
| %RSD      | .02524 | .27352 | .71330 | 3.0690 | .25443 |
| #1        | 3456.7 | 76820. | 6513.9 | 123.62 | 3984.5 |
| #2        | 3455.5 | 76523. | 6448.6 | 118.37 | 3998.8 |



Sample Name: J5200-03      Acquired: 10/3/2018 17:26:47      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-02-100118      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01506 | -.02778 | .23317 | -.01687 | -.00034 | 120.06 | .82018 |
| Stddev | .00475 | .00218  | .00781 | .00122  | .00143  | 2.44   | .07547 |
| %RSD   | 31.521 | 7.8530  | 3.3500 | 7.2513  | 416.21  | 2.0299 | 9.2019 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .01841 | -.02932 | .23870 | -.01774 | -.00136 | 118.33 | .76682 |
| #2 | .01170 | -.02623 | .22765 | -.01601 | .00067  | 121.78 | .87355 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00599 | -.00318 | 54.119 | .20698 | .11336 | .36466 | 228.41 |
| Stddev | .00043 | .00246  | 4.876  | .00097 | .00023 | .01318 | 22.93  |
| %RSD   | 7.2304 | 77.362  | 9.0105 | .46770 | .20262 | 3.6139 | 10.037 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00569 | -.00144 | 50.671 | .20767 | .11353 | .37398 | 212.20 |
| #2 | .00630 | -.00492 | 57.567 | .20630 | .11320 | .35534 | 244.62 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.5685 | 59.423 | .21036 | -.00382 | 4.8769 | .33384 | .47244 |
| Stddev | .0008  | 5.345  | .00008 | .00359  | .4204  | .00028 | .03779 |
| %RSD   | .02368 | 8.9952 | .03608 | 93.880  | 8.6207 | .08355 | 7.9994 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.5690 | 55.643 | .21030 | -.00636 | 4.5796 | .33404 | .44572 |
| #2 | 3.5679 | 63.202 | .21041 | -.00129 | 5.1741 | .33364 | .49917 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 18.397 | .00527 | .11597 | 5.2058 | 4.5377 | .00588 | 4.4332 |
| Stddev | 1.631  | .00017 | .02404 | .0084  | .3404  | .00104 | .3858  |
| %RSD   | 8.8655 | 3.2277 | 20.726 | .16062 | 7.5018 | 17.740 | 8.7030 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.244 | .00515 | .09897 | 5.1999 | 4.2970 | .00514 | 4.1604 |
| #2 | 19.550 | .00539 | .13296 | 5.2118 | 4.7784 | .00662 | 4.7060 |

|        |        |        |        |          |        |
|--------|--------|--------|--------|----------|--------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | .15260 | 8.111  | .13085 | F<.00000 | 35.210 |
| Stddev | .01457 | .013   | .01168 | .09231   | .256   |
| %RSD   | 9.5463 | .1549  | 8.9256 | 1.2932   | .72843 |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | .14229 | 8.102 | .12259 | -7.0729 | 35.392 |
| #2 | .16290 | 8.120 | .13911 | -7.2034 | 35.029 |

Sample Name: J5200-03      Acquired: 10/3/2018 17:26:47      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-02-100118 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       | 3487.6 | 76944. | 6617.2 | 122.97 | 4066.4 |
| Stddev    | 11.2   | 199.   | 456.7  | 9.86   | 6.0    |
| %RSD      | .32052 | .25831 | 6.9011 | 8.0143 | .14661 |
| #1        | 3479.7 | 76804. | 6940.1 | 129.94 | 4062.1 |
| #2        | 3495.5 | 77085. | 6294.3 | 116.00 | 4070.6 |

Sample Name: J5212-01      Acquired: 10/3/2018 17:30:45      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CG-SOIL-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01391 | -.03210 | .02239 | -.02337 | -.00099 | 100.70 | .50915 |
| Stddev | .00112 | .00076  | .00125 | .00233  | .00001  | .55    | .00197 |
| %RSD   | 8.0487 | 2.3614  | 5.5815 | 9.9728  | 1.2832  | .54927 | .38672 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .01470 | -.03264 | .02327 | -.02502 | -.00099 | 101.09 | .50776 |
| #2 | .01312 | -.03156 | .02150 | -.02172 | -.00098 | 100.31 | .51055 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00674 | -.00523 | 38.533 | .20990 | .13058 | .37125 | 265.59 |
| Stddev | .00018 | .00029  | .241   | .00025 | .00024 | .00201 | 2.56   |
| %RSD   | 2.6044 | 5.4532  | .62638 | .11986 | .18537 | .54115 | .96406 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00662 | -.00543 | 38.363 | .20972 | .13075 | .36983 | 267.40 |
| #2 | .00687 | -.00503 | 38.704 | .21008 | .13041 | .37267 | 263.78 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.0946 | 51.768 | .24212 | -.00156 | 1.6223 | .32034 | .55085 |
| Stddev | .0355  | .164   | .00086 | .00106  | .0035  | .00002 | .00389 |
| %RSD   | .69588 | .31705 | .35584 | 67.914  | .21759 | .00682 | .70694 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.1197 | 51.652 | .24273 | -.00081 | 1.6198 | .32035 | .55360 |
| #2 | 5.0695 | 51.884 | .24151 | -.00231 | 1.6248 | .32032 | .54809 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 13.035 | .00043 | .10541 | 4.2690 | 4.8003 | -.00093 | 5.3338 |
| Stddev | .022   | .00046 | .00980 | .0144  | .0083  | .00140  | .0103  |
| %RSD   | .17125 | 107.58 | 9.2989 | .33750 | .17223 | 150.20  | .19357 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 13.019 | .00010 | .11234 | 4.2792 | 4.8061 | .00006  | 5.3411 |
| #2 | 13.050 | .00076 | .09848 | 4.2588 | 4.7944 | -.00193 | 5.3265 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .16060 | 7.751  | .11179 | F<.00000 | 37.575 |  |  |
| Stddev | .00041 | .018   | .00014 | .50734   | .135   |  |  |
| %RSD   | .25722 | .2312  | .12543 | 6.4866   | .36021 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .16030 | 7.763 | .11189 | -7.4626 | 37.480 |  |  |
| #2 | .16089 | 7.738 | .11169 | -8.1801 | 37.671 |  |  |

Sample Name: J5212-01      Acquired: 10/3/2018 17:30:45      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CG-SOIL-1      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       | 3510.2 | 78281. | 6459.5 | 118.60 | 4082.7 |
| Stddev    | 4.4    | 448.   | 21.8   | .98    | 7.2    |
| %RSD      | .12605 | .57225 | .33721 | .83013 | .17617 |
| #1        | 3507.1 | 77964. | 6474.9 | 117.90 | 4077.7 |
| #2        | 3513.3 | 78598. | 6444.1 | 119.29 | 4087.8 |

Sample Name: J5212-05      Acquired: 10/3/2018 17:38:43      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CG-SOIL-2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00641 | -.02582 | .00230 | -.01584 | -.00199 | 51.886 | .18902 |
| Stddev | .00068 | .00154  | .00217 | .00058  | .00119  | .161   | .00066 |
| %RSD   | 10.605 | 5.9700  | 94.116 | 3.6757  | 59.802  | .31034 | .35098 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00593 | -.02691 | .00077 | -.01543 | -.00115 | 51.772 | .18949 |
| #2 | .00689 | -.02473 | .00383 | -.01625 | -.00283 | 51.999 | .18855 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00284 | -.00302 | 31.469 | .12081 | .06870 | .26693 | 141.74 |
| Stddev | .00003 | .00037  | .093   | .00057 | .00057 | .00323 | 2.80   |
| %RSD   | .93028 | 12.174  | .29441 | .46889 | .83211 | 1.2093 | 1.9760 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00282 | -.00328 | 31.534 | .12041 | .06830 | .26465 | 143.72 |
| #2 | .00286 | -.00276 | 31.403 | .12121 | .06911 | .26921 | 139.76 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.9484 | 32.283 | .12609 | -.00301 | .86806 | .20437 | .26028 |
| Stddev | .0034  | .143   | .00059 | .00023  | .00095 | .00008 | .00391 |
| %RSD   | .11370 | .44383 | .46744 | 7.5583  | .10986 | .03754 | 1.5030 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.9460 | 32.384 | .12567 | -.00285 | .86873 | .20432 | .26305 |
| #2 | 2.9508 | 32.182 | .12650 | -.00317 | .86738 | .20443 | .25752 |

|        |        |         |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 3.1640 | -.00064 | .05205 | .15201 | 1.0487 | -.00326 | 4.3160 |
| Stddev | .0155  | .00005  | .00892 | .00059 | .0145  | .00132  | .0021  |
| %RSD   | .49066 | 8.4338  | 17.133 | .39027 | 1.3858 | 40.408  | .04947 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 3.1530 | -.00068 | .05835 | .15243 | 1.0384 | -.00233 | 4.3175 |
| #2 | 3.1750 | -.00060 | .04574 | .15159 | 1.0589 | -.00419 | 4.3145 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .08488 | 3.736  | .06734 | F<.00000 | 26.612 |  |  |
| Stddev | .00095 | .003   | .00011 | .27618   | .824   |  |  |
| %RSD   | 1.1195 | .0784  | .16606 | 8.1871   | 3.0957 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .08421 | 3.738 | .06742 | -3.1781 | 26.029 |  |  |
| #2 | .08556 | 3.734 | .06727 | -3.5686 | 27.194 |  |  |

Sample Name: J5212-05      Acquired: 10/3/2018 17:38:43      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CG-SOIL-2      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       | 3362.6 | 74377. | 6033.1 | 119.77 | 4274.1 |
| Stddev    | 7.4    | 122.   | 37.4   | 2.19   | .6     |
| %RSD      | .21962 | .16391 | .61972 | 1.8284 | .01441 |
| #1        | 3357.4 | 74291. | 6006.6 | 118.22 | 4274.6 |
| #2        | 3367.8 | 74464. | 6059.5 | 121.31 | 4273.7 |

Sample Name: J5218-01      Acquired: 10/3/2018 17:42:38      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 280-356      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .05344 | -.01504 | .07454 | -.03113 | -.00024 | 122.07 | .36260 |
| Stddev | .00283 | .00034  | .00040 | .00654  | .00108  | .44    | .00221 |
| %RSD   | 5.2962 | 2.2873  | .53351 | 21.025  | 447.98  | .36040 | .60951 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .05144 | -.01528 | .07426 | -.02650 | -.00100 | 121.76 | .36104 |
| #2 | .05544 | -.01479 | .07482 | -.03576 | .00052  | 122.38 | .36417 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01003 | -.00138 | 932.51 | .19297 | .11573 | .25356 | 319.74 |
| Stddev | .00031 | .00044  | 1.12   | .00159 | .00007 | .00170 | 2.35   |
| %RSD   | 3.0510 | 31.511  | .11990 | .82405 | .06353 | .66957 | .73577 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01025 | -.00169 | 931.72 | .19409 | .11567 | .25236 | 321.40 |
| #2 | .00981 | -.00107 | 933.30 | .19184 | .11578 | .25476 | 318.07 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.4586 | 473.39 | .24797 | -.00443 | 1.4178 | .25182 | .80356 |
| Stddev | .0257  | 2.42   | .00051 | .00091  | .0137  | .00067 | .00709 |
| %RSD   | .39766 | .51217 | .20596 | 20.671  | .96749 | .26524 | .88220 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 6.4768 | 471.68 | .24761 | -.00378 | 1.4081 | .25135 | .80857 |
| #2 | 6.4404 | 475.11 | .24833 | -.00507 | 1.4275 | .25229 | .79854 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 15.538 | .00190 | .13842 | 4.8622 | 2.9885 | .01021 | 1.8783 |
| Stddev | .129   | .00024 | .00567 | .0126  | .0945  | .00012 | .0132  |
| %RSD   | .82852 | 12.555 | 4.0989 | .25980 | 3.1608 | 1.1804 | .70199 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.447 | .00173 | .13440 | 4.8533 | 2.9217 | .01030 | 1.8690 |
| #2 | 15.629 | .00206 | .14243 | 4.8711 | 3.0553 | .01013 | 1.8876 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .45186 | 11.02  | 1.0709 | F<.00000 | 45.693 |  |  |
| Stddev | .00240 | .01    | .0116  | .47089   | 1.132  |  |  |
| %RSD   | .53075 | .0862  | 1.0818 | 35.262   | 2.4769 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .45017 | 11.01 | 1.0627 | -1.0024 | 44.893 |  |  |
| #2 | .45356 | 11.03 | 1.0790 | -1.6684 | 46.493 |  |  |

Sample Name: J5218-01      Acquired: 10/3/2018 17:42:38      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 280-356      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       | 3073.5 | 68578. | 6091.9 | 104.67 | 3307.7 |
| Stddev    | 5.5    | 127.   | 36.1   | .94    | 8.7    |
| %RSD      | .17738 | .18573 | .59301 | .89849 | .26449 |
| #1        | 3069.6 | 68488. | 6117.5 | 104.00 | 3301.5 |
| #2        | 3077.3 | 68669. | 6066.4 | 105.33 | 3313.8 |



Sample Name: J5218-03      Acquired: 10/3/2018 17:46:37      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 229-211-RBR2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .12018 | -.00899 | 5.3955 | -.01424 | .00381 | 98.612 | 1.8799 |
| Stddev | .00296 | .00320  | .0290  | .00053  | .00156 | .431   | .0118  |
| %RSD   | 2.4633 | 35.629  | .53835 | 3.7327  | 41.076 | .43661 | .63039 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .12228 | -.00672 | 5.4161 | -.01386 | .00270 | 98.307 | 1.8883 |
| #2 | .11809 | -.01125 | 5.3750 | -.01461 | .00491 | 98.916 | 1.8715 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00842 | .00044 | 133.56 | .18522 | .06250 | .61594 | 197.44 |
| Stddev | .00015 | .00011 | .87    | .00038 | .00034 | .00385 | 2.75   |
| %RSD   | 1.7674 | 25.613 | .65499 | .20469 | .53914 | .62508 | 1.3904 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00853 | .00036 | 134.17 | .18549 | .06274 | .61321 | 199.39 |
| #2 | .00832 | .00052 | 132.94 | .18495 | .06227 | .61866 | 195.50 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.4949 | 27.679 | .17162 | -.00352 | 10.597 | .33352 | 3.4307 |
| Stddev | .0058  | .082   | .00097 | .00028  | .080   | .00149 | .0641  |
| %RSD   | .23134 | .29778 | .56651 | 7.9203  | .75650 | .44553 | 1.8688 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.4908 | 27.737 | .17093 | -.00332 | 10.654 | .33247 | 3.4760 |
| #2 | 2.4990 | 27.621 | .17231 | -.00372 | 10.541 | .33457 | 3.3853 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.0440 | .01276 | .08559 | 12.691 | 4.1526 | .15715 | 1.4923 |
| Stddev | .0310  | .00015 | .00617 | .039   | .0288  | .00053 | .0003  |
| %RSD   | .51274 | 1.1471 | 7.2096 | .30693 | .69319 | .33588 | .02252 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.0659 | .01266 | .08123 | 12.718 | 4.1730 | .15752 | 1.4921 |
| #2 | 6.0221 | .01287 | .08996 | 12.663 | 4.1323 | .15677 | 1.4926 |

|        |        |        |        |          |        |  |  |
|--------|--------|--------|--------|----------|--------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859 |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    |  |  |
| Avg    | .11223 | 5.742  | 1.1325 | F<.00000 | 34.060 |  |  |
| Stddev | .00186 | .020   | .0087  | .46158   | .372   |  |  |
| %RSD   | 1.6572 | .3426  | .77191 | 36.533   | 1.0915 |  |  |

|    |        |       |        |         |        |  |  |
|----|--------|-------|--------|---------|--------|--|--|
| #1 | .11354 | 5.756 | 1.1387 | -.93707 | 33.797 |  |  |
| #2 | .11091 | 5.728 | 1.1263 | -1.5898 | 34.323 |  |  |

Sample Name: J5218-03      Acquired: 10/3/2018 17:46:37      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 229-211-RBR2      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       | 3244.1 | 71729. | 6062.6 | 121.49 | 4093.1 |
| Stddev    | 1.9    | 17.    | 65.9   | 2.24   | 23.1   |
| %RSD      | .05974 | .02333 | 1.0875 | 1.8475 | .56449 |
| #1        | 3245.5 | 71718. | 6016.0 | 119.90 | 4076.7 |
| #2        | 3242.7 | 71741. | 6109.2 | 123.08 | 4109.4 |

Sample Name: J5218-05      Acquired: 10/3/2018 17:50:29      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 293-230      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .16912 | -.01916 | 5.8566 | -.01736 | .00707 | 97.713 | 2.3644 | .01224 |
| Stddev | .00540 | .00074  | .0213  | .00105  | .00436 | .456   | .0030  | .00007 |
| %RSD   | 3.1941 | 3.8381  | .36384 | 6.0559  | 61.660 | .46648 | .12649 | .58771 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .17294 | -.01968 | 5.8717 | -.01811 | .00399 | 98.035 | 2.3665 | .01219 |
| #2 | .16530 | -.01864 | 5.8415 | -.01662 | .01015 | 97.390 | 2.3622 | .01229 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00758 | 1022.8 | .22670 | .11132 | 2.0698 | 268.55 | 3.5254 | 39.696 |
| Stddev | .00003 | 3.7    | .00178 | .00025 | .0000  | 1.63   | .0013  | .054   |
| %RSD   | .39254 | .36237 | .78530 | .22291 | .00095 | .60549 | .03711 | .13688 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00760 | 1025.4 | .22796 | .11149 | 2.0697 | 269.70 | 3.5263 | 39.734 |
| #2 | .00756 | 1020.2 | .22544 | .11114 | 2.0698 | 267.40 | 3.5244 | 39.657 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .38894 | -.00157 | 15.717 | .33342 | 4.6825 | 14.163 | .02033 | .14973 |
| Stddev | .00115 | .00009  | .033   | .00103 | .0362  | .036   | .00040 | .01796 |
| %RSD   | .29471 | 5.4328  | .21243 | .30861 | .77288 | .25070 | 1.9434 | 11.993 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .38975 | -.00163 | 15.740 | .33269 | 4.7081 | 14.189 | .02005 | .16243 |
| #2 | .38813 | -.00151 | 15.693 | .33414 | 4.6569 | 14.138 | .02061 | .13704 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 25.103 | 4.4169 | .76933 | 3.0891 | .20658 | 13.95  | 3.6722 | <.00000 |
| Stddev | .114   | .0386  | .00074 | .0182  | .00020 | .01    | .0072  | .13595  |
| %RSD   | .45514 | .87419 | .09640 | .58990 | .09623 | .0704  | .19577 | 29.983  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 25.184 | 4.4442 | .76985 | 3.0762 | .20672 | 13.96 | 3.6773 | -.35729 |
| #2 | 25.022 | 4.3896 | .76881 | 3.1020 | .20644 | 13.94 | 3.6671 | -.54955 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 43.108 |
| Stddev | .697   |
| %RSD   | 1.6175 |

|    |        |
|----|--------|
| #1 | 43.601 |
| #2 | 42.615 |

Sample Name: J5218-05      Acquired: 10/3/2018 17:50:29      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 293-230      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       | 3059.0 | 67997. | 5986.9 | 110.17 | 3529.0 |
| Stddev    | 1.1    | 68.    | 10.7   | .67    | 5.0    |
| %RSD      | .03672 | .09996 | .17905 | .61227 | .14111 |
| #1        | 3059.8 | 67949. | 5994.5 | 109.70 | 3525.5 |
| #2        | 3058.2 | 68045. | 5979.4 | 110.65 | 3532.6 |

Sample Name: J5218-05DUP      Acquired: 10/3/2018 17:54:23      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 293-230DUP      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .16822 | -.01861 | 5.8525 | -.01781 | .00512 | 99.207 | 2.4130 | .01236 |
| Stddev | .00063 | .00219  | .0170  | .00411  | .00214 | .206   | .0100  | .00038 |
| %RSD   | .37205 | 11.780  | .29032 | 23.107  | 41.880 | .20746 | .41338 | 3.0818 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .16866 | -.01706 | 5.8405 | -.01490 | .00360 | 99.353 | 2.4059 | .01263 |
| #2 | .16777 | -.02016 | 5.8645 | -.02072 | .00663 | 99.062 | 2.4200 | .01209 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00769 | 999.15 | .23457 | .11251 | 2.2556 | 274.56 | 3.5214 | 41.428 |
| Stddev | .00054 | 8.76   | .00238 | .00024 | .0024  | 5.38   | .0060  | .130   |
| %RSD   | 7.0543 | .87653 | 1.0150 | .20978 | .10423 | 1.9590 | .17087 | .31439 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00807 | 1005.3 | .23626 | .11234 | 2.2572 | 270.75 | 3.5256 | 41.336 |
| #2 | .00730 | 992.96 | .23289 | .11267 | 2.2539 | 278.36 | 3.5171 | 41.520 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .40873 | -.00062 | 15.797 | .33613 | 4.7981 | 14.199 | .02088 | .16054 |
| Stddev | .00121 | .00060  | .077   | .00125 | .0579  | .041   | .00016 | .00453 |
| %RSD   | .29723 | 96.665  | .48434 | .37249 | 1.2059 | .29128 | .77672 | 2.8205 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .40787 | -.00020 | 15.743 | .33524 | 4.7572 | 14.170 | .02100 | .15733 |
| #2 | .40959 | -.00104 | 15.851 | .33701 | 4.8390 | 14.228 | .02077 | .16374 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 25.666 | 4.7175 | .67786 | 3.1201 | .20412 | 13.96  | 3.6216 | <.00000 |
| Stddev | .034   | .0225  | .00309 | .0030  | .00047 | .07    | .0027  | .15784  |
| %RSD   | .13050 | .47709 | .45546 | .09556 | .23014 | .5136  | .07321 | 18.357  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 25.643 | 4.7016 | .67567 | 3.1180 | .20445 | 13.91 | 3.6197 | -.74819 |
| #2 | 25.690 | 4.7334 | .68004 | 3.1222 | .20378 | 14.01 | 3.6234 | -.97141 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 43.460 |
| Stddev | 1.138  |
| %RSD   | 2.6187 |

|    |        |
|----|--------|
| #1 | 42.656 |
| #2 | 44.265 |

Sample Name: J5218-05DUP      Acquired: 10/3/2018 17:54:23      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 293-230DUP      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       | 3064.7 | 68049. | 6003.1 | 110.33 | 3530.6 |
| Stddev    | 1.4    | 142.   | 1.6    | 1.45   | 6.2    |
| %RSD      | .04422 | .20857 | .02728 | 1.3111 | .17523 |
| #1        | 3065.7 | 67949. | 6004.2 | 111.36 | 3535.0 |
| #2        | 3063.8 | 68150. | 6001.9 | 109.31 | 3526.2 |

Sample Name: J5218-05LX5      Acquired: 10/3/2018 17:58:18      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7525      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03478 | -.00329 | 1.2549 | -.00092 | -.00092 | 21.913 | .53800 | .00258 |
| Stddev | .00286 | .00039  | .0167  | .00146  | .00196  | .023   | .00636 | .00016 |
| %RSD   | 8.2090 | 11.753  | 1.3320 | 158.60  | 213.88  | .10667 | 1.1817 | 6.3652 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .03680 | -.00302 | 1.2668 | -.00195 | -.00231 | 21.929 | .53351 | .00247 |
| #2 | .03276 | -.00356 | 1.2431 | .00011  | .00047  | 21.896 | .54250 | .00270 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00064 | 251.25 | .05976 | .02303 | .49635 | 59.262 | .86328 | 9.8714 |
| Stddev | .00017 | 2.81   | .00010 | .00015 | .00520 | 1.018  | .00058 | .1265  |
| %RSD   | 26.249 | 1.1190 | .16554 | .66370 | 1.0467 | 1.7184 | .06713 | 1.2816 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00076 | 249.26 | .05983 | .02314 | .50002 | 58.542 | .86369 | 9.7819 |
| #2 | .00052 | 253.23 | .05969 | .02292 | .49268 | 59.982 | .86287 | 9.9608 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .08483 | -.00138 | 3.7027 | .07919 | 1.0093 | 3.2223 | .00519 | .01729 |
| Stddev | .00042 | .00052  | .0095  | .00017 | .0034  | .0173  | .00012 | .00098 |
| %RSD   | .49304 | 37.904  | .25569 | .21304 | .33986 | .53733 | 2.3733 | 5.6417 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .08513 | -.00101 | 3.6960 | .07907 | 1.0117 | 3.2346 | .00527 | .01660 |
| #2 | .08454 | -.00175 | 3.7094 | .07931 | 1.0069 | 3.2101 | .00510 | .01798 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9051 | 1.1140 | .16363 | .74050 | .04968 | 2.784  | .86585 | 1.2749 |
| Stddev | .0457  | .0015  | .00347 | .00345 | .00015 | .040   | .00407 | .2555  |
| %RSD   | .93181 | .13591 | 2.1184 | .46552 | .29854 | 1.444  | .47056 | 20.037 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 4.9375 | 1.1151 | .16609 | .73806 | .04958 | 2.813 | .86297 | 1.0942 |
| #2 | 4.8728 | 1.1129 | .16118 | .74293 | .04979 | 2.756 | .86873 | 1.4555 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 20.267 |
| Stddev | .003   |
| %RSD   | .01343 |

|    |        |
|----|--------|
| #1 | 20.265 |
| #2 | 20.269 |

Sample Name: J5218-05LX5      Acquired: 10/3/2018 17:58:18      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7525      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       | 3041.0 | 67334. | 5613.0 | 117.23 | 4031.3 |
| Stddev    | 2.9    | 233.   | 19.0   | .88    | 6.1    |
| %RSD      | .09586 | .34658 | .33834 | .75475 | .15062 |
| #1        | 3039.0 | 67169. | 5626.4 | 117.86 | 4027.0 |
| #2        | 3043.1 | 67499. | 5599.5 | 116.61 | 4035.6 |



Sample Name: CCV06      Acquired: 10/3/2018 18:02:13      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7523      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1132 | 5.2507 | 5.2322 | 5.2092 | 5.3412 | 10.851 | 10.965 |
| Stddev | .0066  | .0001  | .0001  | .0070  | .0112  | .157   | .132   |
| %RSD   | .12922 | .00264 | .00144 | .13430 | .21019 | 1.4469 | 1.2026 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.1085 | 5.2508 | 5.2321 | 5.2141 | 5.3491 | 10.740 | 11.058 |
| #2 | 5.1179 | 5.2506 | 5.2322 | 5.2042 | 5.3332 | 10.962 | 10.872 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .26476 | 2.6155 | 27.074 | 1.0819 | 2.6484 | 1.3308 | 5.3754 |
| Stddev | .00031 | .0012  | .047   | .0023  | .0005  | .0022  | .0473  |
| %RSD   | .11539 | .04651 | .17448 | .20980 | .01853 | .16527 | .87918 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .26498 | 2.6146 | 27.108 | 1.0835 | 2.6481 | 1.3324 | 5.4088 |
| #2 | .26454 | 2.6163 | 27.041 | 1.0803 | 2.6488 | 1.3293 | 5.3420 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6854 | 26.758 | 2.6547 | 1.3468 | 26.876 | 2.6742 | 2.6351 |
| Stddev | .0025  | .160   | .0031  | .0000  | .342   | .0093  | .0597  |
| %RSD   | .09255 | .59682 | .11746 | .00320 | 1.2736 | .34768 | 2.2655 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6871 | 26.871 | 2.6525 | 1.3468 | 27.118 | 2.6808 | 2.6774 |
| #2 | 2.6836 | 26.645 | 2.6569 | 1.3467 | 26.634 | 2.6676 | 2.5929 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 27.038 | 5.3656 | 5.3965 | 5.1462 | 5.3210 | 5.2484 | 5.3979 |
| Stddev | .256   | .0025  | .0215  | .0222  | .0891  | .0070  | .0213  |
| %RSD   | .94781 | .04639 | .39743 | .43036 | 1.6747 | .13359 | .39493 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 27.219 | 5.3674 | 5.4117 | 5.1305 | 5.3840 | 5.2435 | 5.4130 |
| #2 | 26.856 | 5.3639 | 5.3813 | 5.1618 | 5.2580 | 5.2534 | 5.3829 |

|        |        |        |          |          |          |
|--------|--------|--------|----------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077   | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | 4.6349 | 5.368  | F 5.5033 | F 3.3571 | F 2.2073 |
| Stddev | .0590  | .002   | .0774    | .0478    | .1453    |
| %RSD   | 1.2736 | .0389  | 1.4061   | 1.4252   | 6.5828   |

|    |        |       |        |        |        |
|----|--------|-------|--------|--------|--------|
| #1 | 4.6766 | 5.367 | 5.5580 | 3.3232 | 2.1046 |
| #2 | 4.5931 | 5.370 | 5.4486 | 3.3909 | 2.3101 |

Sample Name: CCV06      Acquired: 10/3/2018 18:02:13      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7523      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       | 3038.2 | 66895. | 5483.6 | 116.12 | 4079.9 |
| Stddev    | 7.6    | 200.   | 117.3  | 2.79   | 6.4    |
| %RSD      | .25005 | .29875 | 2.1390 | 2.3991 | .15707 |
| #1        | 3032.9 | 66754. | 5400.7 | 114.15 | 4075.4 |
| #2        | 3043.6 | 67036. | 5566.6 | 118.09 | 4084.5 |

Sample Name: CCB06      Acquired: 10/3/2018 18:05:58      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00317 | -.00105 | .00245 | -.00069 | .00164 | .02150 | -.00055 |
| Stddev | .00090  | .00002  | .00053 | .00167  | .00017 | .00694 | .00028  |
| %RSD   | 28.513  | 1.9460  | 21.447 | 240.87  | 10.616 | 32.298 | 49.872  |

|    |         |         |        |         |        |        |         |
|----|---------|---------|--------|---------|--------|--------|---------|
| #1 | -.00253 | -.00104 | .00208 | .00049  | .00176 | .01659 | -.00075 |
| #2 | -.00381 | -.00107 | .00282 | -.00187 | .00152 | .02641 | -.00036 |

|        |         |        |        |         |         |         |        |
|--------|---------|--------|--------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00010 | .00001 | .02111 | -.00057 | -.00007 | -.00069 | .01084 |
| Stddev | .00006  | .00015 | .02956 | .00069  | .00010  | .00013  | .01081 |
| %RSD   | 59.860  | 2578.5 | 140.02 | 121.25  | 140.24  | 19.062  | 99.734 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | -.00014 | .00012  | .04202 | -.00105 | -.00000 | -.00078 | .01849 |
| #2 | -.00006 | -.00010 | .00021 | -.00008 | -.00014 | -.00060 | .00320 |

|        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00011 | .00373 | .00038 | -.00068 | .02200 | .00043 | -.00040 |
| Stddev | .00001 | .05213 | .00027 | .00053  | .00954 | .00035 | .00002  |
| %RSD   | 8.1977 | 1397.3 | 71.423 | 77.963  | 43.350 | 81.553 | 4.9960  |

|    |        |         |        |         |        |        |         |
|----|--------|---------|--------|---------|--------|--------|---------|
| #1 | .00012 | -.03313 | .00057 | -.00106 | .02875 | .00068 | -.00038 |
| #2 | .00010 | .04059  | .00019 | -.00031 | .01526 | .00018 | -.00041 |

|        |         |        |         |        |        |        |         |
|--------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.01497 | .00008 | -.00751 | .00188 | .00037 | .00061 | -.00186 |
| Stddev | .03032  | .00010 | .00957  | .00201 | .00289 | .00029 | .00095  |
| %RSD   | 202.48  | 125.10 | 127.38  | 107.09 | 789.25 | 47.425 | 50.779  |

|    |         |        |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|--------|---------|
| #1 | .00646  | .00001 | -.01428 | .00046 | .00241  | .00082 | -.00120 |
| #2 | -.03641 | .00016 | -.00075 | .00330 | -.00168 | .00041 | -.00253 |

|        |        |        |         |          |          |  |  |
|--------|--------|--------|---------|----------|----------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |  |  |
| Avg    | .00452 | -.0017 | -.00009 | F<.00000 | F .36691 |  |  |
| Stddev | .00056 | .0003  | .00004  | .90493   | .45258   |  |  |
| %RSD   | 12.331 | 18.63  | 49.590  | 253.83   | 123.35   |  |  |

|    |        |        |         |         |        |  |  |
|----|--------|--------|---------|---------|--------|--|--|
| #1 | .00412 | -.0015 | -.00006 | -.99640 | .68694 |  |  |
| #2 | .00491 | -.0019 | -.00012 | .28337  | .04689 |  |  |

Sample Name: CCB06      Acquired: 10/3/2018 18:05:58      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3184.9 | 70075. | 5489.3 | 121.67 | 4538.3 |
| Stddev    | 8.8    | 226.   | 10.1   | 3.05   | 10.4   |
| %RSD      | .27657 | .32183 | .18450 | 2.5044 | .23007 |
| #1        | 3191.2 | 70235. | 5482.1 | 119.51 | 4545.6 |
| #2        | 3178.7 | 69916. | 5496.4 | 123.82 | 4530.9 |

Sample Name: J5218-05MS      Acquired: 10/3/2018 18:10:03      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 293-230MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .82839 | 1.7441 | 6.6128 | 1.6409 | .70170 | 98.646 | 2.5137 | .18954 |
| Stddev | .01532 | .0144  | .0850  | .0146  | .00480 | .831   | .0118  | .00042 |
| %RSD   | 1.8490 | .82588 | 1.2853 | .88752 | .68340 | .84195 | .47044 | .21961 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83922 | 1.7543 | 6.6729 | 1.6512 | .70509 | 99.233 | 2.5053 | .18984 |
| #2 | .81756 | 1.7339 | 6.5527 | 1.6306 | .69831 | 98.059 | 2.5221 | .18925 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18633 | 1011.2 | .55772 | .29468 | 2.2772 | 270.46 | 3.6392 | 41.289 |
| Stddev | .00205 | 2.2    | .00131 | .00309 | .0163  | 1.26   | .0109  | .188   |
| %RSD   | 1.1016 | .22047 | .23495 | 1.0496 | .71626 | .46447 | .29987 | .45462 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18778 | 1009.7 | .55865 | .29687 | 2.2888 | 271.35 | 3.6469 | 41.157 |
| #2 | .18488 | 1012.8 | .55679 | .29249 | 2.2657 | 269.57 | 3.6315 | 41.422 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .84241 | .06229 | 18.232 | .58488 | 4.8237 | 23.026 | .35960 | .40623 |
| Stddev | .00969 | .00088 | .079   | .00142 | .0321  | .084   | .00308 | .00117 |
| %RSD   | 1.1499 | 1.4127 | .43217 | .24252 | .66570 | .36639 | .85698 | .28832 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .84926 | .06291 | 18.176 | .58589 | 4.8464 | 22.966 | .36178 | .40540 |
| #2 | .83557 | .06166 | 18.288 | .58388 | 4.8010 | 23.085 | .35743 | .40706 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 24.507 | 5.3037 | 1.3944 | 3.2298 | .38727 | 19.34  | 3.7795 | <.00000 |
| Stddev | .300   | .0645  | .0184  | .0060  | .00014 | .23    | .0016  | .29654  |
| %RSD   | 1.2251 | 1.2158 | 1.3177 | .18672 | .03604 | 1.181  | .04333 | 282.21  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 24.720 | 5.2581 | 1.4074 | 3.2255 | .38737 | 19.50 | 3.7783 | .10461  |
| #2 | 24.295 | 5.3493 | 1.3814 | 3.2340 | .38718 | 19.18 | 3.7807 | -.31476 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 43.496 |
| Stddev | .109   |
| %RSD   | .25025 |

|    |        |
|----|--------|
| #1 | 43.419 |
| #2 | 43.573 |

Sample Name: J5218-05MS      Acquired: 10/3/2018 18:10:03      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 293-230MS      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       | 3095.0 | 67962. | 5972.6 | 109.76 | 3559.4 |
| Stddev    | 22.9   | 455.   | 22.7   | .73    | 41.1   |
| %RSD      | .73979 | .66895 | .38032 | .66152 | 1.1561 |
| #1        | 3078.8 | 67640. | 5988.6 | 109.25 | 3530.3 |
| #2        | 3111.2 | 68283. | 5956.5 | 110.28 | 3588.5 |

Sample Name: J5218-05MSD      Acquired: 10/3/2018 18:13:54      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 293-230MSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .83030 | 1.7751 | 6.6719 | 1.6557 | .70595 | 98.712 | 2.5336 | .19020 |
| Stddev | .00393 | .0070  | .0328  | .0182  | .00003 | .248   | .0089  | .00045 |
| %RSD   | .47304 | .39423 | .49229 | 1.0974 | .00471 | .25109 | .35051 | .23524 |
| #1     | .82753 | 1.7702 | 6.6487 | 1.6428 | .70593 | 98.887 | 2.5273 | .18989 |
| #2     | .83308 | 1.7801 | 6.6951 | 1.6685 | .70598 | 98.537 | 2.5398 | .19052 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18854 | 1009.7 | .55711 | .29685 | 2.2997 | 269.10 | 3.6460 | 41.223 |
| Stddev | .00026 | 5.2    | .00299 | .00125 | .0095  | .26    | .0007  | .181   |
| %RSD   | .13978 | .51135 | .53647 | .42251 | .41304 | .09724 | .01889 | .44024 |
| #1     | .18835 | 1006.1 | .55923 | .29596 | 2.2929 | 268.91 | 3.6465 | 41.095 |
| #2     | .18872 | 1013.4 | .55500 | .29774 | 2.3064 | 269.28 | 3.6455 | 41.352 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .84899 | .06262 | 18.338 | .58716 | 4.8124 | 23.160 | .36225 | .40235 |
| Stddev | .00569 | .00038 | .043   | .00240 | .0143  | .088   | .00250 | .00194 |
| %RSD   | .67065 | .60902 | .23364 | .40909 | .29662 | .38100 | .68882 | .48176 |
| #1     | .84497 | .06289 | 18.308 | .58546 | 4.8225 | 23.098 | .36049 | .40372 |
| #2     | .85302 | .06235 | 18.368 | .58886 | 4.8023 | 23.223 | .36402 | .40098 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 24.956 | 5.3586 | 1.4041 | 3.2449 | .38723 | 19.64  | 3.7916 | <.00000 |
| Stddev | .161   | .0657  | .0066  | .0129  | .00055 | .09    | .0139  | .52219  |
| %RSD   | .64601 | 1.2263 | .46703 | .39873 | .14077 | .4537  | .36759 | 956.40  |
| #1     | 24.842 | 5.3121 | 1.3995 | 3.2358 | .38684 | 19.58  | 3.7817 | .31465  |
| #2     | 25.070 | 5.4050 | 1.4088 | 3.2541 | .38761 | 19.70  | 3.8014 | -.42385 |

|        |        |  |  |  |  |  |  |  |
|--------|--------|--|--|--|--|--|--|--|
| Elem   | U_3859 |  |  |  |  |  |  |  |
| Units  | ppm    |  |  |  |  |  |  |  |
| Avg    | 41.764 |  |  |  |  |  |  |  |
| Stddev | .536   |  |  |  |  |  |  |  |
| %RSD   | 1.2827 |  |  |  |  |  |  |  |
| #1     | 42.143 |  |  |  |  |  |  |  |
| #2     | 41.385 |  |  |  |  |  |  |  |

Sample Name: J5218-05MSD      Acquired: 10/3/2018 18:13:54      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 293-230MSD      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       | 3062.0 | 67734. | 5934.5 | 109.93 | 3517.0 |
| Stddev    | 8.5    | 279.   | 21.7   | .46    | 15.7   |
| %RSD      | .27772 | .41177 | .36646 | .42038 | .44760 |
| #1        | 3068.0 | 67537. | 5949.8 | 109.60 | 3528.1 |
| #2        | 3056.0 | 67931. | 5919.1 | 110.25 | 3505.9 |



Sample Name: J5218-05A      Acquired: 10/3/2018 18:17:45      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7525      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .84631 | 1.7760 | 6.7148 | 1.6779 | .71193 | 100.23 | 2.5325 | .19132 | .18963 |
| Stddev | .01076 | .0068  | .0041  | .0003  | .00288 | .52    | .0033  | .00027 | .00083 |
| %RSD   | 1.2720 | .38277 | .06155 | .01964 | .40405 | .51487 | .13201 | .14265 | .43610 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .85392 | 1.7712 | 6.7177 | 1.6781 | .71396 | 99.866 | 2.5301 | .19152 | .19022 |
| #2 | .83870 | 1.7808 | 6.7119 | 1.6776 | .70989 | 100.60 | 2.5348 | .19113 | .18905 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1012.8 | .57146 | .29733 | 2.3108 | 270.54 | 3.6761 | 41.390 | .85337 | .06410 |
| Stddev | 5.4    | .00249 | .00019 | .0063  | 6.69   | .0015  | .259   | .00085 | .00108 |
| %RSD   | .53431 | .43528 | .06325 | .27406 | 2.4743 | .04157 | .62583 | .09954 | 1.6912 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1009.0 | .56970 | .29720 | 2.3153 | 265.81 | 3.6772 | 41.207 | .85397 | .06333 |
| #2 | 1016.6 | .57322 | .29746 | 2.3064 | 275.27 | 3.6750 | 41.573 | .85277 | .06486 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 18.262 | .58549 | 4.8360 | 23.216 | .36352 | .39852 | 25.226 | 5.5014 | 1.4072 |
| Stddev | .052   | .00150 | .1118  | .065   | .00064 | .00018 | .037   | .0339  | .0012  |
| %RSD   | .28307 | .25636 | 2.3124 | .27920 | .17522 | .04561 | .14803 | .61576 | .08688 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.226 | .58655 | 4.7569 | 23.170 | .36397 | .39839 | 25.200 | 5.5254 | 1.4081 |
| #2 | 18.299 | .58443 | 4.9150 | 23.262 | .36307 | .39865 | 25.253 | 5.4775 | 1.4064 |

|        |        |        |        |        |        |        |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |  |  |  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |  |  |  |
| Avg    | 3.2475 | .39039 | 19.84  | 3.8658 | 1.7611 | 42.139 |  |  |  |
| Stddev | .0202  | .00189 | .01    | .0181  | .1811  | .910   |  |  |  |
| %RSD   | .62170 | .48491 | .0497  | .46701 | 10.284 | 2.1593 |  |  |  |

|    |        |        |       |        |        |        |  |  |  |
|----|--------|--------|-------|--------|--------|--------|--|--|--|
| #1 | 3.2618 | .38905 | 19.84 | 3.8531 | 1.6330 | 42.782 |  |  |  |
| #2 | 3.2332 | .39172 | 19.83 | 3.8786 | 1.8891 | 41.495 |  |  |  |

|           |        |        |        |        |        |  |  |  |  |
|-----------|--------|--------|--------|--------|--------|--|--|--|--|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |  |  |  |  |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |  |  |  |
| Avg       | 3057.1 | 67205. | 5927.3 | 109.50 | 3512.9 |  |  |  |  |
| Stddev    | 12.7   | 133.   | 11.3   | 2.23   | 6.7    |  |  |  |  |
| %RSD      | .41533 | .19787 | .19080 | 2.0387 | .19123 |  |  |  |  |

|    |        |        |        |        |        |  |  |  |  |
|----|--------|--------|--------|--------|--------|--|--|--|--|
| #1 | 3048.2 | 67299. | 5935.3 | 111.08 | 3508.1 |  |  |  |  |
| #2 | 3066.1 | 67111. | 5919.3 | 107.92 | 3517.6 |  |  |  |  |

Sample Name: J5186-13      Acquired: 10/3/2018 18:21:36      Type: Unk  
Method: P4-ICP2(v2474)      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    | .00511 | .00045 | .00353 | .00177 | -.00479 | .00777 | .02003 | .00008 |
| Stddev | .00236 | .00156 | .00014 | .00099 | .00128  | .00441 | .00034 | .00000 |
| %RSD   | 46.178 | 350.87 | 4.0152 | 55.624 | 26.756  | 56.752 | 1.6956 | 3.1737 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00678 | .00155  | .00343 | .00247 | -.00388 | .01089 | .02027 | .00007 |
| #2 | .00344 | -.00066 | .00363 | .00108 | -.00569 | .00465 | .01979 | .00008 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00024 | 72.176 | -.00014 | -.00009 | .00172 | -.00509 | .01345 | 167.58 |
| Stddev | .00008  | .908   | .00010  | .00020  | .00028 | .00670  | .00100 | 1.95   |
| %RSD   | 34.940  | 1.2579 | 69.943  | 223.31  | 16.506 | 131.61  | 7.4148 | 1.1654 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00018 | 72.818 | -.00007 | -.00023 | .00193 | -.00983 | .01416 | 168.96 |
| #2 | -.00030 | 71.534 | -.00020 | .00005  | .00152 | -.00035 | .01274 | 166.19 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00167 | .00012 | 1243.2 | .00159 | .00820 | 54.912 | .00118 | .56268 |
| Stddev | .00029  | .00047 | 21.0   | .00089 | .00008 | .494   | .00024 | .01803 |
| %RSD   | 17.209  | 403.62 | 1.6873 | 55.792 | .94107 | .89919 | 20.136 | 3.2046 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00147 | -.00022 | 1258.0 | .00222 | .00815 | 55.261 | .00101 | .57543 |
| #2 | -.00188 | .00045  | 1228.4 | .00097 | .00826 | 54.563 | .00135 | .54993 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 128.57 | 1.0341 | -.04486 | -.00081 | .02958 | .0978  | 1.1062 | 6.9459 |
| Stddev | .41    | .0245  | .00110  | .00134  | .00314 | .0008  | .0106  | 3.3809 |
| %RSD   | .31911 | 2.3688 | 2.4617  | 165.40  | 10.619 | .7746  | .95678 | 48.674 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 128.86 | 1.0515 | -.04408 | -.00175 | .03180 | .0983 | 1.1137 | 9.3366 |
| #2 | 128.28 | 1.0168 | -.04564 | .00014  | .02735 | .0972 | 1.0987 | 4.5553 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.9707 |
| Stddev | .0023  |
| %RSD   | .05893 |

|    |        |
|----|--------|
| #1 | 3.9691 |
| #2 | 3.9724 |

Sample Name: J5186-13      Acquired: 10/3/2018 18:21:36      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2797.0 | 62163. | 5341.9 | 116.29 | 3626.4 |
| Stddev    | 14.7   | 4265.  | 58.4   | .79    | 16.9   |
| %RSD      | .52617 | 6.8610 | 1.0928 | .68253 | .46671 |
| #1        | 2786.6 | 59147. | 5300.6 | 116.85 | 3614.5 |
| #2        | 2807.4 | 65179. | 5383.1 | 115.72 | 3638.4 |

Sample Name: J5186-14      Acquired: 10/3/2018 18:25:44      Type: Unk  
Method: P4-ICP2(v2474)      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    | .00113 | -.00107 | .00364 | .00572 | -.00300 | -.00439 | .01874 | .00014 |
| Stddev | .00041 | .00065  | .00028 | .00195 | .00022  | .01930  | .00092 | .00002 |
| %RSD   | 36.414 | 60.857  | 7.5759 | 34.138 | 7.1824  | 439.98  | 4.9167 | 16.207 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00141 | -.00153 | .00383 | .00710 | -.00284 | -.01803 | .01809 | .00012 |
| #2 | .00084 | -.00061 | .00344 | .00434 | -.00315 | .00926  | .01939 | .00015 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00011 | 71.894 | -.00115 | -.00050 | .00149 | -.01353 | .01193 | 168.09 |
| Stddev | .00005  | .794   | .00024  | .00010  | .00037 | .00127  | .00012 | .13    |
| %RSD   | 45.964  | 1.1047 | 20.951  | 19.611  | 24.794 | 9.3984  | 1.0256 | .07929 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00008 | 71.333 | -.00132 | -.00057 | .00175 | -.01263 | .01202 | 168.00 |
| #2 | -.00015 | 72.456 | -.00098 | -.00043 | .00123 | -.01443 | .01184 | 168.18 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00150 | -.00046 | 1224.3 | .00147 | .00021 | 55.990 | .00102 | .58067 |
| Stddev | .00029  | .00029  | 20.4   | .00034 | .00009 | .559   | .00012 | .00465 |
| %RSD   | 19.283  | 62.961  | 1.6632 | 23.322 | 43.615 | .99915 | 11.932 | .80087 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00130 | -.00026 | 1209.9 | .00123 | .00014 | 55.595 | .00093 | .58396 |
| #2 | -.00171 | -.00067 | 1238.7 | .00171 | .00027 | 56.386 | .00111 | .57738 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 128.00 | 1.0167 | -.04566 | -.00137 | .03007 | .0951  | 1.0973 | 7.3329 |
| Stddev | .67    | .0044  | .00014  | .00238  | .00009 | .0008  | .0149  | .4944  |
| %RSD   | .52513 | .43552 | .29682  | 174.08  | .29724 | .8762  | 1.3619 | 6.7424 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 127.53 | 1.0136 | -.04557 | -.00306 | .03013 | .0957 | 1.0867 | 7.6825 |
| #2 | 128.48 | 1.0198 | -.04576 | .00032  | .03000 | .0945 | 1.1078 | 6.9833 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.2521 |
| Stddev | .4450  |
| %RSD   | 13.682 |

|    |        |
|----|--------|
| #1 | 3.5668 |
| #2 | 2.9375 |

Sample Name: J5186-14      Acquired: 10/3/2018 18:25:44      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2772.9 | 60349. | 5312.0 | 113.71 | 3609.7 |
| Stddev    | 17.8   | 665.   | 44.0   | 1.38   | 17.3   |
| %RSD      | .64177 | 1.1011 | .82804 | 1.2177 | .47837 |
| #1        | 2785.4 | 59879. | 5343.1 | 114.69 | 3621.9 |
| #2        | 2760.3 | 60818. | 5280.9 | 112.73 | 3597.5 |

Sample Name: J5187-02      Acquired: 10/3/2018 18:29:53      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |         |        |        |
|--------|--------|---------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00159 | -.00134 | .00119 | .00508 | -.00426 | .00013  | .01983 | .00003 |
| Stddev | .00088 | .00034  | .00048 | .00104 | .00016  | .00298  | .00018 | .00004 |
| %RSD   | 55.534 | 25.567  | 39.923 | 20.563 | 3.6863  | 2310.5  | .90124 | 138.22 |
| #1     | .00221 | -.00158 | .00086 | .00434 | -.00437 | -.00198 | .01970 | .00000 |
| #2     | .00097 | -.00110 | .00153 | .00582 | -.00415 | .00224  | .01996 | .00006 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00018 | 64.327 | -.00048 | -.00036 | .00160 | -.00837 | .00440 | 137.93 |
| Stddev | .00000  | 2.961  | .00006  | .00016  | .00041 | .00315  | .00005 | 5.76   |
| %RSD   | 2.4620  | 4.6031 | 12.083  | 43.350  | 25.370 | 37.638  | 1.1726 | 4.1746 |
| #1     | -.00018 | 62.234 | -.00044 | -.00047 | .00188 | -.00614 | .00436 | 133.86 |
| #2     | -.00019 | 66.421 | -.00052 | -.00025 | .00131 | -.01060 | .00443 | 142.00 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00123 | -.00014 | 997.01 | .00113 | .00017 | 45.380 | .00091 | .46943 |
| Stddev | .00031  | .00009  | 34.00  | .00001 | .00006 | 2.098  | .00014 | .02875 |
| %RSD   | 24.902  | 66.128  | 3.4100 | 1.1304 | 36.223 | 4.6241 | 14.988 | 6.1238 |
| #1     | -.00145 | -.00008 | 972.97 | .00114 | .00013 | 43.896 | .00081 | .44910 |
| #2     | -.00101 | -.00021 | 1021.0 | .00112 | .00022 | 46.864 | .00101 | .48976 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 97.551 | .98908 | -.03378 | .00021  | .02573 | .0782  | .90688 | 5.8262 |
| Stddev | 1.634  | .04141 | .00064  | .00072  | .00063 | .0034  | .03833 | .3796  |
| %RSD   | 1.6751 | 4.1865 | 1.8928  | 343.35  | 2.4504 | 4.393  | 4.2265 | 6.5150 |
| #1     | 98.706 | .95980 | -.03332 | -.00030 | .02528 | .0806  | .87977 | 6.0946 |
| #2     | 96.396 | 1.0184 | -.03423 | .00072  | .02617 | .0758  | .93398 | 5.5578 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.7934 |
| Stddev | .3115  |
| %RSD   | 11.153 |
| #1     | 3.0137 |
| #2     | 2.5731 |

Sample Name: J5187-02      Acquired: 10/3/2018 18:29:53      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2872.3 | 61193. | 5248.4 | 114.27 | 3774.2 |
| Stddev    | 43.1   | 18.    | 223.5  | 5.07   | 45.3   |
| %RSD      | 1.5016 | .02966 | 4.2592 | 4.4409 | 1.2007 |
| #1        | 2841.8 | 61180. | 5406.4 | 117.86 | 3742.2 |
| #2        | 2902.8 | 61206. | 5090.3 | 110.68 | 3806.2 |

Sample Name: J5187-03      Acquired: 10/3/2018 18:34:01      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |         |        |        |
|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00126 | -.00115 | .00145 | -.00117 | -.00416 | -.00969 | .01830 | .00002 |
| Stddev | .00028  | .00178  | .00066 | .00746  | .00030  | .00689  | .00034 | .00001 |
| %RSD   | 22.283  | 154.68  | 45.663 | 638.59  | 7.1046  | 71.105  | 1.8854 | 34.087 |

|    |         |         |        |         |         |         |        |        |
|----|---------|---------|--------|---------|---------|---------|--------|--------|
| #1 | -.00146 | -.00241 | .00192 | -.00644 | -.00437 | -.00482 | .01854 | .00002 |
| #2 | -.00106 | .00011  | .00098 | .00411  | -.00395 | -.01456 | .01805 | .00003 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00014 | 62.397 | -.00128 | -.00032 | .00097 | -.02365 | .00430 | 134.07 |
| Stddev | .00006  | 1.195  | .00044  | .00051  | .00057 | .00894  | .00008 | 3.12   |
| %RSD   | 42.215  | 1.9154 | 34.347  | 156.77  | 59.274 | 37.819  | 1.9499 | 2.3241 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00018 | 63.242 | -.00097 | .00004  | .00137 | -.01732 | .00424 | 136.27 |
| #2 | -.00010 | 61.552 | -.00160 | -.00069 | .00056 | -.02997 | .00436 | 131.86 |

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00099 | -.00064 | 962.63 | .00145 | -.00014 | 43.951 | .00031 | .46043 |
| Stddev | .00019  | .00084  | 7.15   | .00059 | .00004  | .667   | .00003 | .02055 |
| %RSD   | 19.216  | 130.79  | .74288 | 40.311 | 31.117  | 1.5179 | 9.0137 | 4.4637 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00086 | -.00123 | 967.68 | .00187 | -.00011 | 44.423 | .00029 | .47496 |
| #2 | -.00112 | -.00005 | 957.57 | .00104 | -.00017 | 43.480 | .00033 | .44590 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 95.749 | .96020 | -.03402 | -.00376 | .02567 | .0801  | .87902 | 5.0089 |
| Stddev | 3.153  | .01634 | .00072  | .00055  | .00026 | .0019  | .01343 | .3443  |
| %RSD   | 3.2930 | 1.7019 | 2.1265  | 14.593  | .99468 | 2.343  | 1.5284 | 6.8741 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 97.978 | .97176 | -.03453 | -.00337 | .02585 | .0815 | .88852 | 5.2524 |
| #2 | 93.519 | .94865 | -.03351 | -.00415 | .02549 | .0788 | .86952 | 4.7655 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.9234 |
| Stddev | .1772  |
| %RSD   | 6.0623 |

|    |        |
|----|--------|
| #1 | 3.0487 |
| #2 | 2.7980 |



Sample Name: J5187-03      Acquired: 10/3/2018 18:34:01      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2931.8 | 61777. | 5401.4 | 115.35 | 3856.1 |
| Stddev    | 96.3   | 290.   | 78.5   | 4.29   | 115.3  |
| %RSD      | 3.2855 | .46971 | 1.4537 | 3.7213 | 2.9888 |
| #1        | 2863.7 | 61982. | 5345.9 | 112.32 | 3774.6 |
| #2        | 2999.9 | 61572. | 5456.9 | 118.39 | 3937.5 |

Sample Name: J5187-04      Acquired: 10/3/2018 18:38:09      Type: Unk  
Method: P4-ICP2(v2474)      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    | .00164 | -.00172 | .00036 | -.00067 | -.00488 | .00820 | .01865 | .00008 |
| Stddev | .00024 | .00195  | .00024 | .00012  | .00201  | .00060 | .00003 | .00004 |
| %RSD   | 14.906 | 113.53  | 65.317 | 18.437  | 41.127  | 7.2653 | .16861 | 50.258 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00181 | -.00309 | .00019 | -.00076 | -.00630 | .00862 | .01863 | .00011 |
| #2 | .00146 | -.00034 | .00053 | -.00059 | -.00346 | .00778 | .01867 | .00005 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00017 | 63.536 | -.00120 | -.00046 | .00118 | -.01478 | .00523 | 138.78 |
| Stddev | .00003  | .198   | .00028  | .00009  | .00000 | .00094  | .00026 | .11    |
| %RSD   | 18.618  | .31124 | 22.967  | 20.618  | .16682 | 6.3693  | 5.0418 | .07748 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00015 | 63.396 | -.00101 | -.00052 | .00118 | -.01412 | .00504 | 138.85 |
| #2 | -.00019 | 63.676 | -.00140 | -.00039 | .00118 | -.01545 | .00542 | 138.70 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00127 | .00014 | 996.76 | .00129 | .00000 | 45.480 | .00076 | .47404 |
| Stddev | .00059  | .00084 | 5.21   | .00011 | .00002 | .262   | .00003 | .00755 |
| %RSD   | 46.798  | 595.74 | .52289 | 8.6169 | 801.89 | .57545 | 3.6579 | 1.5937 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00085 | -.00045 | 1000.4 | .00121 | .00001  | 45.295 | .00074 | .46870 |
| #2 | -.00169 | .00073  | 993.08 | .00137 | -.00001 | 45.665 | .00078 | .47938 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 103.40 | .95523 | -.03562 | -.00294 | .02597 | .0815  | .91055 | 6.6832 |
| Stddev | .20    | .01004 | .00094  | .00122  | .00130 | .0007  | .00663 | .5450  |
| %RSD   | .18989 | 1.0515 | 2.6494  | 41.423  | 5.0003 | .8002  | .72788 | 8.1543 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 103.54 | .94813 | -.03496 | -.00208 | .02505 | .0819 | .90587 | 6.2979 |
| #2 | 103.26 | .96234 | -.03629 | -.00380 | .02689 | .0810 | .91524 | 7.0686 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.1646 |
| Stddev | .2629  |
| %RSD   | 8.3080 |

|    |        |
|----|--------|
| #1 | 2.9787 |
| #2 | 3.3505 |

Sample Name: J5187-04      Acquired: 10/3/2018 18:38:09      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2851.6 | 60345. | 5456.1 | 116.45 | 3738.2 |
| Stddev    | 1.7    | 1536.  | 11.2   | 1.28   | 2.9    |
| %RSD      | .05859 | 2.5451 | .20527 | 1.0982 | .07686 |
| #1        | 2852.8 | 61431. | 5464.0 | 117.35 | 3736.2 |
| #2        | 2850.4 | 59259. | 5448.1 | 115.54 | 3740.2 |

Sample Name: J5187-05      Acquired: 10/3/2018 18:42:16      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00186 | -.00196 | .00125 | -.00100 | -.00596 | -.00193 | .01937 | .00005 |
| Stddev | .00013  | .00114  | .00131 | .00198  | .00016  | .00332  | .00001 | .00001 |
| %RSD   | 7.1303  | 58.225  | 105.51 | 197.16  | 2.6658  | 172.19  | .03141 | 18.274 |

|    |         |         |        |         |         |         |        |        |
|----|---------|---------|--------|---------|---------|---------|--------|--------|
| #1 | -.00196 | -.00116 | .00032 | -.00240 | -.00585 | -.00428 | .01936 | .00006 |
| #2 | -.00177 | -.00277 | .00218 | .00040  | -.00608 | .00042  | .01937 | .00005 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00005 | 62.952 | -.00122 | -.00061 | .00064 | -.00953 | .00545 | 137.12 |
| Stddev | .00003  | .498   | .00038  | .00021  | .00021 | .00870  | .00004 | .58    |
| %RSD   | 53.106  | .79030 | 31.051  | 34.462  | 32.179 | 91.294  | .69844 | .42438 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00007 | 63.304 | -.00095 | -.00076 | .00079 | -.00338 | .00542 | 137.53 |
| #2 | -.00003 | 62.601 | -.00148 | -.00046 | .00050 | -.01568 | .00547 | 136.70 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00186 | .00018 | 994.07 | .00133 | .00079 | 44.947 | .00072 | .47337 |
| Stddev | .00044  | .00042 | 28.30  | .00068 | .00003 | .124   | .00004 | .00082 |
| %RSD   | 23.475  | 233.88 | 2.8466 | 51.440 | 4.1847 | .27534 | 5.4584 | .17219 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00216 | -.00012 | 1014.1 | .00084 | .00077 | 45.035 | .00069 | .47395 |
| #2 | -.00155 | .00048  | 974.06 | .00181 | .00081 | 44.860 | .00075 | .47279 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 101.91 | .94833 | -.03649 | -.00271 | .02600 | .0810  | .90325 | 6.1410 |
| Stddev | .85    | .00408 | .00010  | .00014  | .00051 | .0006  | .00397 | .0231  |
| %RSD   | .83867 | .43022 | .26363  | 5.1286  | 1.9756 | .7158  | .43975 | .37578 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 102.51 | .95121 | -.03656 | -.00281 | .02636 | .0806 | .90606 | 6.1247 |
| #2 | 101.31 | .94544 | -.03642 | -.00261 | .02564 | .0814 | .90044 | 6.1573 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.7889 |
| Stddev | .3687  |
| %RSD   | 13.222 |

|    |        |
|----|--------|
| #1 | 2.5281 |
| #2 | 3.0496 |

Sample Name: J5187-05      Acquired: 10/3/2018 18:42:16      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2851.2 | 61345. | 5466.2 | 115.01 | 3748.4 |
| Stddev    | 1.7    | 67.    | 43.4   | .69    | 14.9   |
| %RSD      | .05811 | .10902 | .79399 | .59897 | .39828 |
| #1        | 2850.0 | 61392. | 5435.5 | 114.52 | 3737.9 |
| #2        | 2852.4 | 61298. | 5496.9 | 115.50 | 3759.0 |

Sample Name: J5187-06      Acquired: 10/3/2018 18:46:24      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |         |        |        |
|--------|--------|---------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00209 | -.00148 | .00256 | .00328 | -.00345 | -.00122 | .01911 | .00009 |
| Stddev | .00059 | .00129  | .00089 | .00030 | .00330  | .00869  | .00181 | .00008 |
| %RSD   | 28.010 | 87.638  | 34.738 | 9.1661 | 95.739  | 712.39  | 9.4733 | 91.234 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00168 | -.00056 | .00319 | .00307 | -.00111 | -.00736 | .01783 | .00014 |
| #2 | .00251 | -.00239 | .00193 | .00350 | -.00578 | .00492  | .02040 | .00003 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00015 | 64.374 | -.00162 | -.00034 | .00089 | -.00936 | .00543 | 139.36 |
| Stddev | .00006  | 2.725  | .00022  | .00020  | .00008 | .01399  | .00002 | 6.40   |
| %RSD   | 39.273  | 4.2332 | 13.469  | 59.350  | 8.7766 | 149.49  | .28761 | 4.5933 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00011 | 62.447 | -.00177 | -.00020 | .00083 | -.01925 | .00544 | 134.84 |
| #2 | -.00019 | 66.301 | -.00146 | -.00048 | .00094 | .00053  | .00542 | 143.89 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00182 | .00009 | 1025.9 | .00138 | .00020 | 46.055 | .00083 | .48587 |
| Stddev | .00047  | .00003 | 43.5   | .00001 | .00001 | 2.031  | .00028 | .03176 |
| %RSD   | 26.081  | 31.822 | 4.2416 | .83842 | 6.0024 | 4.4098 | 34.071 | 6.5365 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00215 | .00007 | 995.14 | .00138 | .00019 | 44.619 | .00063 | .46341 |
| #2 | -.00148 | .00011 | 1056.7 | .00137 | .00021 | 47.491 | .00103 | .50833 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 102.68 | .97069 | -.03665 | -.00182 | .02482 | .0816  | .93102 | 7.0303 |
| Stddev | .01    | .04310 | .00017  | .00085  | .00094 | .0019  | .04166 | .1546  |
| %RSD   | .00829 | 4.4406 | .46825  | 46.655  | 3.7849 | 2.362  | 4.4750 | 2.1988 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 102.68 | .94021 | -.03653 | -.00241 | .02415 | .0803 | .90156 | 6.9210 |
| #2 | 102.67 | 1.0012 | -.03677 | -.00122 | .02548 | .0830 | .96048 | 7.1396 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.1554 |
| Stddev | .5009  |
| %RSD   | 15.874 |

|    |        |
|----|--------|
| #1 | 2.8013 |
| #2 | 3.5096 |

Sample Name: J5187-06      Acquired: 10/3/2018 18:46:24      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2857.3 | 60990. | 5369.5 | 115.15 | 3742.8 |
| Stddev    | 8.0    | 247.   | 224.3  | 3.19   | 4.0    |
| %RSD      | .28001 | .40477 | 4.1777 | 2.7685 | .10812 |
| #1        | 2851.7 | 61165. | 5528.1 | 117.41 | 3740.0 |
| #2        | 2863.0 | 60816. | 5210.8 | 112.90 | 3745.7 |

Sample Name: CCV07      Acquired: 10/3/2018 18:58:38      Type: Unk  
Method: P4-ICP2(v2474)      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    | 5.1822 | 5.2776 | 5.2707 | 5.2960 | 5.3870 | 10.959 | F 11.031 |
| Stddev | .0333  | .0320  | .0271  | .0275  | .0174  | .148   | .055     |
| %RSD   | .64232 | .60691 | .51404 | .51892 | .32307 | 1.3502 | .50021   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.2057 | 5.3003 | 5.2898 | 5.3155 | 5.3993 | 10.854 | 11.070 |
| #2 | 5.1587 | 5.2550 | 5.2515 | 5.2766 | 5.3746 | 11.064 | 10.992 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .26539 | 2.6293 | 26.953 | 1.0972 | 2.6569 | 1.3401 | 5.4132 |
| Stddev | .00008 | .0147  | .042   | .0017  | .0161  | .0032  | .0144  |
| %RSD   | .03021 | .55967 | .15426 | .15134 | .60437 | .24144 | .26553 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .26534 | 2.6397 | 26.924 | 1.0960 | 2.6682 | 1.3424 | 5.4030 |
| #2 | .26545 | 2.6189 | 26.982 | 1.0984 | 2.6455 | 1.3378 | 5.4234 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6960 | 26.428 | 2.6721 | 1.3628 | 26.625 | 2.6827 | 2.7256 |
| Stddev | .0054  | .066   | .0163  | .0027  | .086   | .0017  | .0174  |
| %RSD   | .20185 | .24911 | .61008 | .19450 | .32154 | .06467 | .63929 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6922 | 26.474 | 2.6837 | 1.3609 | 26.685 | 2.6815 | 2.7379 |
| #2 | 2.6999 | 26.381 | 2.6606 | 1.3646 | 26.564 | 2.6839 | 2.7132 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 27.214 | 5.4074 | 5.3841 | 5.2913 | 5.3857 | 5.2699 | 5.3985 |
| Stddev | .187   | .0222  | .0104  | .0237  | .0254  | .0369  | .0094  |
| %RSD   | .68633 | .41152 | .19335 | .44768 | .47165 | .70031 | .17494 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 27.346 | 5.4231 | 5.3914 | 5.3081 | 5.4037 | 5.2960 | 5.4051 |
| #2 | 27.082 | 5.3916 | 5.3767 | 5.2746 | 5.3678 | 5.2438 | 5.3918 |

|        |        |        |          |        |          |  |  |
|--------|--------|--------|----------|--------|----------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077   | U_3670 | U_3859   |  |  |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      |  |  |
| Avg    | 4.6547 | 5.482  | F 5.6041 | 4.5732 | F 2.8110 |  |  |
| Stddev | .0321  | .047   | .0266    | .1952  | .1338    |  |  |
| %RSD   | .68916 | .8572  | .47372   | 4.2685 | 4.7591   |  |  |

|    |        |       |        |        |        |  |  |
|----|--------|-------|--------|--------|--------|--|--|
| #1 | 4.6774 | 5.515 | 5.6229 | 4.7112 | 2.7164 |  |  |
| #2 | 4.6320 | 5.449 | 5.5854 | 4.4352 | 2.9056 |  |  |



Sample Name: CCV07      Acquired: 10/3/2018 18:58:38      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3030.3 | 66707. | 5487.5 | 112.62 | 4070.4 |
| Stddev    | 18.8   | 290.   | 66.2   | .79    | 29.2   |
| %RSD      | .62009 | .43502 | 1.2067 | .69911 | .71787 |
| #1        | 3017.0 | 66502. | 5440.6 | 112.07 | 4049.7 |
| #2        | 3043.5 | 66913. | 5534.3 | 113.18 | 4091.1 |

Sample Name: CCB07      Acquired: 10/3/2018 19:02:22      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00228 | -.00091 | -.00039 | .00016 | .00069 | .01105 | -.00022 |
| Stddev | .00306  | .00026  | .00021  | .00099 | .00142 | .00581 | .00052  |
| %RSD   | 134.12  | 28.286  | 54.597  | 613.92 | 205.30 | 52.543 | 234.80  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00444 | -.00109 | -.00024 | .00086  | .00170  | .01515 | .00015  |
| #2 | -.00012 | -.00073 | -.00054 | -.00054 | -.00031 | .00694 | -.00059 |

|        |        |        |        |        |         |         |         |
|--------|--------|--------|--------|--------|---------|---------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00004 | .00003 | .03072 | .00001 | -.00022 | -.00074 | -.00638 |
| Stddev | .00002 | .00003 | .00930 | .00083 | .00007  | .00024  | .00817  |
| %RSD   | 56.363 | 115.70 | 30.262 | 10151. | 34.007  | 32.892  | 128.20  |

|    |        |        |        |         |         |         |         |
|----|--------|--------|--------|---------|---------|---------|---------|
| #1 | .00005 | .00001 | .02414 | .00060  | -.00017 | -.00091 | -.01216 |
| #2 | .00002 | .00005 | .03729 | -.00058 | -.00027 | -.00057 | -.00060 |

|        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00011 | .02016 | .00057 | -.00021 | .10860 | .00014 | -.00048 |
| Stddev | .00005 | .02595 | .00025 | .00003  | .00701 | .00060 | .00013  |
| %RSD   | 45.807 | 128.77 | 43.500 | 12.022  | 6.4555 | 431.77 | 27.711  |

|    |        |        |        |         |        |         |         |
|----|--------|--------|--------|---------|--------|---------|---------|
| #1 | .00007 | .00180 | .00039 | -.00023 | .10365 | .00056  | -.00038 |
| #2 | .00014 | .03851 | .00074 | -.00019 | .11356 | -.00028 | -.00057 |

|        |        |        |         |          |         |        |         |
|--------|--------|--------|---------|----------|---------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881  | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm     | ppm    | ppm     |
| Avg    | .01543 | .00037 | -.00542 | F .05307 | -.00072 | .00111 | -.00055 |
| Stddev | .00631 | .00006 | .02183  | .00001   | .00035  | .00126 | .00070  |
| %RSD   | 40.883 | 16.142 | 402.85  | .02161   | 49.289  | 113.70 | 125.87  |

|    |        |        |         |        |         |        |         |
|----|--------|--------|---------|--------|---------|--------|---------|
| #1 | .01990 | .00041 | .01002  | .05308 | -.00047 | .00022 | -.00105 |
| #2 | .01097 | .00033 | -.02085 | .05306 | -.00097 | .00199 | -.00006 |

|        |        |        |        |          |          |  |  |
|--------|--------|--------|--------|----------|----------|--|--|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |  |  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |  |  |
| Avg    | .00326 | -.0020 | .00007 | F<.00000 | F .38317 |  |  |
| Stddev | .00125 | .0006  | .00006 | .93825   | .28411   |  |  |
| %RSD   | 38.372 | 30.30  | 75.327 | 72.733   | 74.146   |  |  |

|    |        |        |        |         |        |  |  |
|----|--------|--------|--------|---------|--------|--|--|
| #1 | .00237 | -.0025 | .00011 | -.62655 | .58407 |  |  |
| #2 | .00414 | -.0016 | .00003 | -1.9534 | .18228 |  |  |

Sample Name: CCB07      Acquired: 10/3/2018 19:02:22      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3174.4 | 71661. | 5561.8 | 120.33 | 4508.4 |
| Stddev    | 30.6   | 1773.  | 59.5   | 3.48   | 57.8   |
| %RSD      | .96313 | 2.4736 | 1.0691 | 2.8907 | 1.2818 |
| #1        | 3196.0 | 70408. | 5519.7 | 117.87 | 4549.3 |
| #2        | 3152.8 | 72915. | 5603.8 | 122.79 | 4467.6 |

Sample Name: J5187-07      Acquired: 10/3/2018 19:06:26      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |         |        |        |
|--------|---------|---------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00235 | -.00055 | .00091 | .00359 | -.00426 | -.00645 | .01900 | .00002 |
| Stddev | .00020  | .00272  | .00020 | .00518 | .00144  | .01211  | .00019 | .00007 |
| %RSD   | 8.3181  | 495.72  | 21.977 | 144.50 | 33.760  | 187.73  | .99740 | 330.69 |

|    |         |         |        |         |         |         |        |         |
|----|---------|---------|--------|---------|---------|---------|--------|---------|
| #1 | -.00221 | -.00247 | .00106 | -.00008 | -.00324 | -.01502 | .01914 | -.00003 |
| #2 | -.00249 | .00137  | .00077 | .00725  | -.00528 | .00211  | .01887 | .00007  |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00009 | 63.175 | -.00107 | -.00024 | .00098 | -.02077 | .00469 | 136.75 |
| Stddev | .00019  | .393   | .00023  | .00016  | .00035 | .00074  | .00018 | .12    |
| %RSD   | 199.97  | .62177 | 21.258  | 68.374  | 35.468 | 3.5393  | 3.9190 | .09044 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00023 | 63.452 | -.00091 | -.00012 | .00122 | -.02129 | .00456 | 136.84 |
| #2 | .00004  | 62.897 | -.00124 | -.00035 | .00073 | -.02025 | .00482 | 136.66 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00194 | -.00066 | 1028.4 | .00109 | .00146 | 44.282 | .00104 | .45456 |
| Stddev | .00048  | .00072  | 25.5   | .00035 | .00008 | .175   | .00011 | .00012 |
| %RSD   | 25.023  | 109.01  | 2.4772 | 32.377 | 5.6985 | .39439 | 10.711 | .02659 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00228 | -.00015 | 1046.4 | .00084 | .00152 | 44.406 | .00112 | .45465 |
| #2 | -.00159 | -.00116 | 1010.4 | .00134 | .00140 | 44.159 | .00096 | .45448 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 103.34 | .96214 | -.03614 | -.00088 | .02568 | .0812  | .89737 | 4.4627 |
| Stddev | .75    | .00755 | .00021  | .00092  | .00316 | .0021  | .00368 | 1.9812 |
| %RSD   | .72640 | .78494 | .57115  | 104.92  | 12.302 | 2.633  | .41026 | 44.393 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 103.87 | .95680 | -.03600 | -.00153 | .02791 | .0796 | .89997 | 3.0618 |
| #2 | 102.81 | .96748 | -.03629 | -.00023 | .02344 | .0827 | .89477 | 5.8636 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.0824 |
| Stddev | .0612  |
| %RSD   | 1.9857 |

|    |        |
|----|--------|
| #1 | 3.1257 |
| #2 | 3.0391 |

Sample Name: J5187-07      Acquired: 10/3/2018 19:06:26      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2856.9 | 63306. | 5493.1 | 117.46 | 3722.5 |
| Stddev    | 22.9   | 2651.  | 13.6   | 1.78   | 21.4   |
| %RSD      | .80185 | 4.1878 | .24704 | 1.5156 | .57466 |
| #1        | 2840.7 | 65181. | 5483.5 | 116.20 | 3707.4 |
| #2        | 2873.1 | 61432. | 5502.7 | 118.72 | 3737.6 |

Sample Name: J5187-08      Acquired: 10/3/2018 19:10:33      Type: Unk  
Method: P4-ICP2(v2474)      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    | .00125 | -.00116 | .00194 | .00114 | -.00463 | .01778 | .01799 | .00012 |
| Stddev | .00195 | .00004  | .00083 | .00179 | .00091  | .01234 | .00021 | .00006 |
| %RSD   | 157.01 | 3.0463  | 42.653 | 156.37 | 19.730  | 69.391 | 1.1567 | 54.064 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00263  | -.00113 | .00253 | -.00012 | -.00399 | .02651 | .01784 | .00016 |
| #2 | -.00014 | -.00118 | .00136 | .00241  | -.00528 | .00906 | .01814 | .00007 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00004 | 61.901 | -.00097 | -.00042 | .00081 | -.01074 | .00542 | 132.64 |
| Stddev | .00010  | .198   | .00034  | .00016  | .00108 | .00863  | .00004 | .69    |
| %RSD   | 273.02  | .32043 | 35.207  | 36.925  | 132.82 | 80.355  | .70445 | .52299 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | .00003  | 61.761 | -.00122 | -.00031 | .00005 | -.01685 | .00540 | 133.13 |
| #2 | -.00011 | 62.042 | -.00073 | -.00053 | .00157 | -.00464 | .00545 | 132.15 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00132 | .00014 | 991.60 | .00146 | -.00017 | 43.504 | .00047 | .45135 |
| Stddev | .00037  | .00023 | .76    | .00040 | .00010  | .497   | .00031 | .00050 |
| %RSD   | 28.093  | 167.64 | .07623 | 26.977 | 59.624  | 1.1424 | 65.763 | .11131 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00158 | -.00003 | 992.13 | .00119 | -.00010 | 43.152 | .00025 | .45171 |
| #2 | -.00106 | .00030  | 991.07 | .00174 | -.00024 | 43.855 | .00069 | .45100 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 97.749 | .94436 | -.03483 | -.00364 | .02399 | .0803  | .87620 | 4.9881 |
| Stddev | 2.668  | .00364 | .00007  | .00223  | .00020 | .0031  | .00768 | .2018  |
| %RSD   | 2.7296 | .38592 | .20578  | 61.109  | .84349 | 3.827  | .87673 | 4.0446 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 99.636 | .94178 | -.03488 | -.00207 | .02413 | .0825 | .87077 | 4.8454 |
| #2 | 95.863 | .94693 | -.03478 | -.00522 | .02385 | .0781 | .88164 | 5.1308 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.8145 |
| Stddev | .2334  |
| %RSD   | 8.2912 |

|    |        |
|----|--------|
| #1 | 2.6495 |
| #2 | 2.9795 |

Sample Name: J5187-08      Acquired: 10/3/2018 19:10:33      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2922.5 | 62288. | 5491.9 | 117.62 | 3824.1 |
| Stddev    | 58.7   | 1.     | 41.3   | .61    | 85.1   |
| %RSD      | 2.0082 | .00084 | .75194 | .51855 | 2.2241 |
| #1        | 2881.0 | 62288. | 5521.1 | 117.19 | 3764.0 |
| #2        | 2963.9 | 62289. | 5462.7 | 118.05 | 3884.3 |

Sample Name: J5187-09      Acquired: 10/3/2018 19:14:40      Type: Unk  
Method: P4-ICP2(v2474)      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    | .00402 | -.00156 | .00096 | .00368 | -.00297 | .00438 | .01803 | -.00000 |
| Stddev | .00131 | .00195  | .00099 | .00002 | .00032  | .00474 | .00024 | .00003  |
| %RSD   | 32.461 | 125.04  | 103.75 | .56034 | 10.862  | 108.11 | 1.3359 | 739.70  |
| #1     | .00310 | -.00018 | .00025 | .00367 | -.00274 | .00103 | .01820 | .00002  |
| #2     | .00495 | -.00293 | .00166 | .00370 | -.00320 | .00774 | .01786 | -.00002 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00011 | 61.332 | -.00136 | -.00029 | .00130 | -.01842 | .00534 | 131.79 |
| Stddev | .00001  | .296   | .00023  | .00025  | .00037 | .02342  | .00018 | .81    |
| %RSD   | 7.0698  | .48296 | 16.929  | 87.619  | 28.037 | 127.15  | 3.3160 | .61329 |
| #1     | -.00011 | 61.541 | -.00152 | -.00047 | .00156 | -.00186 | .00547 | 132.37 |
| #2     | -.00010 | 61.122 | -.00120 | -.00011 | .00104 | -.03497 | .00522 | 131.22 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00142 | -.00098 | 961.91 | .00100 | .00069 | 43.287 | .00087 | .44062 |
| Stddev | .00017  | .00040  | 13.71  | .00042 | .00004 | .002   | .00024 | .01019 |
| %RSD   | 11.991  | 41.097  | 1.4249 | 41.857 | 5.5436 | .00562 | 27.371 | 2.3118 |
| #1     | -.00130 | -.00070 | 971.60 | .00130 | .00066 | 43.288 | .00070 | .43342 |
| #2     | -.00154 | -.00127 | 952.22 | .00070 | .00072 | 43.285 | .00104 | .44782 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 98.703 | .93829 | -.03491 | -.00326 | .02356 | .0816  | .86952 | 5.6499 |
| Stddev | 1.186  | .00481 | .00067  | .00024  | .00063 | .0014  | .00231 | 1.4470 |
| %RSD   | 1.2015 | .51230 | 1.9324  | 7.2437  | 2.6577 | 1.654  | .26611 | 25.611 |
| #1     | 97.865 | .93489 | -.03538 | -.00310 | .02400 | .0826  | .87116 | 6.6731 |
| #2     | 99.542 | .94169 | -.03443 | -.00343 | .02312 | .0807  | .86788 | 4.6267 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.8825 |
| Stddev | .1514  |
| %RSD   | 5.2536 |
| #1     | 2.7754 |
| #2     | 2.9896 |



Sample Name: J5187-09      Acquired: 10/3/2018 19:14:40      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2887.8 | 61975. | 5543.9 | 115.91 | 3781.1 |
| Stddev    | 40.7   | 1788.  | 16.8   | 1.48   | 33.8   |
| %RSD      | 1.4110 | 2.8851 | .30389 | 1.2751 | .89355 |
| #1        | 2916.6 | 60711. | 5532.0 | 116.95 | 3805.0 |
| #2        | 2859.0 | 63239. | 5555.8 | 114.86 | 3757.2 |

Sample Name: J5187-10      Acquired: 10/3/2018 19:18:48      Type: Unk  
 Method: P4-ICP2(v2474)      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    | .00427 | -.00296 | .00113 | .00268 | -.00351 | -.00260 | .01792 | .00007 |
| Stddev | .00022 | .00073  | .00015 | .00611 | .00081  | .00242  | .00054 | .00003 |
| %RSD   | 5.2705 | 24.575  | 12.905 | 228.23 | 22.995  | 92.904  | 3.0056 | 46.885 |

|    |        |         |        |         |         |         |        |        |
|----|--------|---------|--------|---------|---------|---------|--------|--------|
| #1 | .00442 | -.00348 | .00102 | .00699  | -.00408 | -.00089 | .01830 | .00010 |
| #2 | .00411 | -.00245 | .00123 | -.00164 | -.00294 | -.00431 | .01754 | .00005 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00015 | 62.744 | -.00124 | -.00004 | .00086 | -.01629 | .00759 | 137.85 |
| Stddev | .00000  | .384   | .00033  | .00035  | .00013 | .00118  | .00040 | .81    |
| %RSD   | 2.0202  | .61190 | 26.504  | 782.08  | 14.831 | 7.2395  | 5.2668 | .59050 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00015 | 63.016 | -.00148 | -.00029 | .00095 | -.01546 | .00731 | 138.42 |
| #2 | -.00014 | 62.473 | -.00101 | .00020  | .00077 | -.01713 | .00787 | 137.27 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00120 | .00039 | 994.29 | .00143 | .00005 | 45.384 | .00057 | .45956 |
| Stddev | .00028  | .00038 | 22.15  | .00004 | .00005 | .186   | .00027 | .01399 |
| %RSD   | 23.114  | 98.477 | 2.2277 | 2.9253 | 103.20 | .40940 | 47.541 | 3.0453 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00100 | .00066 | 1009.9 | .00140 | .00008 | 45.516 | .00077 | .46946 |
| #2 | -.00139 | .00012 | 978.63 | .00146 | .00001 | 45.253 | .00038 | .44967 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 101.76 | .93529 | -.03544 | -.00328 | .02457 | .0796  | .90687 | 6.4482 |
| Stddev | .19    | .00553 | .00067  | .00091  | .00018 | .0010  | .00772 | 1.5079 |
| %RSD   | .18967 | .59093 | 1.8996  | 27.783  | .74158 | 1.249  | .85179 | 23.385 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 101.63 | .93920 | -.03497 | -.00392 | .02444 | .0789 | .91233 | 5.3820 |
| #2 | 101.90 | .93138 | -.03592 | -.00263 | .02470 | .0803 | .90141 | 7.5145 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.9170 |
| Stddev | .1594  |
| %RSD   | 5.4655 |

|    |        |
|----|--------|
| #1 | 2.8043 |
| #2 | 3.0298 |

Sample Name: J5187-10      Acquired: 10/3/2018 19:18:48      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2924.2 | 60999. | 5527.8 | 118.67 | 3821.4 |
| Stddev    | 14.8   | 2213.  | 61.8   | 2.48   | 4.7    |
| %RSD      | .50676 | 3.6285 | 1.1186 | 2.0888 | .12224 |
| #1        | 2934.7 | 62564. | 5484.0 | 116.92 | 3824.7 |
| #2        | 2913.8 | 59434. | 5571.5 | 120.42 | 3818.1 |

Sample Name: J5187-11      Acquired: 10/3/2018 19:22:56      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |         |        |        |
|--------|---------|---------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00181 | -.00203 | .00197 | .00362 | -.00378 | .00500  | .01824 | .00005 |
| Stddev | .00254  | .00099  | .00165 | .00240 | .00021  | .01864  | .00005 | .00002 |
| %RSD   | 139.97  | 48.642  | 83.539 | 66.314 | 5.4717  | 373.02  | .25687 | 40.927 |
| #1     | -.00361 | -.00272 | .00314 | .00192 | -.00364 | -.00818 | .01820 | .00007 |
| #2     | -.00002 | -.00133 | .00081 | .00532 | -.00393 | .01818  | .01827 | .00004 |

|        |         |        |         |         |         |         |        |        |
|--------|---------|--------|---------|---------|---------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00012 | 63.061 | -.00110 | -.00023 | .00048  | -.00413 | .00681 | 137.18 |
| Stddev | .00000  | .532   | .00031  | .00026  | .00070  | .01128  | .00002 | 1.26   |
| %RSD   | 2.3375  | .84440 | 28.045  | 109.74  | 143.96  | 272.84  | .27695 | .92040 |
| #1     | -.00012 | 62.685 | -.00131 | -.00041 | .00098  | -.01211 | .00683 | 136.29 |
| #2     | -.00012 | 63.438 | -.00088 | -.00005 | -.00001 | .00384  | .00680 | 138.07 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00168 | .00013  | 1003.2 | .00129 | .00005 | 45.417 | .00054 | .46915 |
| Stddev | .00073  | .00063  | 3.7    | .00022 | .00002 | .594   | .00038 | .01475 |
| %RSD   | 43.654  | 480.20  | .36630 | 16.918 | 52.387 | 1.3079 | 69.219 | 3.1434 |
| #1     | -.00220 | .00057  | 1000.6 | .00114 | .00003 | 44.997 | .00028 | .45872 |
| #2     | -.00116 | -.00031 | 1005.8 | .00145 | .00006 | 45.837 | .00081 | .47958 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 100.61 | .94510 | -.03586 | -.00184 | .02584 | .0828  | .90514 | 5.1272 |
| Stddev | 2.15   | .00215 | .00135  | .00098  | .00026 | .0010  | .01130 | .0546  |
| %RSD   | 2.1349 | .22769 | 3.7621  | 53.496  | .99458 | 1.213  | 1.2489 | 1.0639 |
| #1     | 102.13 | .94357 | -.03490 | -.00114 | .02566 | .0835  | .89715 | 5.1658 |
| #2     | 99.095 | .94662 | -.03681 | -.00253 | .02602 | .0820  | .91314 | 5.0887 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.0789 |
| Stddev | .1721  |
| %RSD   | 5.5900 |
| #1     | 3.2006 |
| #2     | 2.9572 |

Sample Name: J5187-11      Acquired: 10/3/2018 19:22:56      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2940.6 | 62554. | 5493.6 | 117.17 | 3839.5 |
| Stddev    | 37.5   | 152.   | 16.8   | .31    | 70.6   |
| %RSD      | 1.2744 | .24343 | .30547 | .26143 | 1.8390 |
| #1        | 2914.1 | 62446. | 5505.5 | 116.96 | 3789.6 |
| #2        | 2967.1 | 62662. | 5481.7 | 117.39 | 3889.4 |

Sample Name: J5187-12      Acquired: 10/3/2018 19:27:04      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00158 | .00006 | .00083 | -.00082 | -.00344 | .00915 | .01876 | .00005 |
| Stddev | .00227 | .00038 | .00014 | .00039  | .00203  | .01578 | .00032 | .00003 |
| %RSD   | 143.69 | 636.88 | 17.021 | 48.095  | 59.164  | 172.50 | 1.6825 | 51.196 |

|    |         |         |        |         |         |         |        |        |
|----|---------|---------|--------|---------|---------|---------|--------|--------|
| #1 | -.00003 | .00033  | .00073 | -.00054 | -.00200 | -.00201 | .01854 | .00003 |
| #2 | .00318  | -.00021 | .00093 | -.00109 | -.00488 | .02030  | .01899 | .00007 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00015 | 62.326 | -.00081 | -.00045 | .00055 | -.01408 | .00759 | 136.78 |
| Stddev | .00020  | .406   | .00057  | .00014  | .00052 | .01305  | .00021 | .16    |
| %RSD   | 130.13  | .65091 | 70.167  | 31.973  | 93.567 | 92.666  | 2.7859 | .11557 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00001 | 62.039 | -.00121 | -.00035 | .00019 | -.00485 | .00744 | 136.66 |
| #2 | -.00029 | 62.613 | -.00041 | -.00055 | .00092 | -.02331 | .00774 | 136.89 |

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00166 | -.00104 | 976.24 | .00100 | -.00013 | 45.283 | .00086 | .45707 |
| Stddev | .00179  | .00075  | 1.65   | .00024 | .00001  | .622   | .00028 | .00469 |
| %RSD   | 108.34  | 72.658  | .16871 | 24.261 | 7.7457  | 1.3745 | 32.095 | 1.0265 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00039 | -.00157 | 975.08 | .00082 | -.00014 | 44.843 | .00106 | .46039 |
| #2 | -.00293 | -.00051 | 977.41 | .00117 | -.00013 | 45.723 | .00067 | .45375 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 106.29 | .94453 | -.03744 | -.00243 | .02390 | .0844  | .91183 | 7.0128 |
| Stddev | 6.37   | .01901 | .00286  | .00052  | .00084 | .0047  | .01018 | .3078  |
| %RSD   | 5.9917 | 2.0131 | 7.6467  | 21.536  | 3.5262 | 5.590  | 1.1161 | 4.3885 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 101.78 | .93108 | -.03541 | -.00206 | .02330 | .0811 | .90463 | 7.2304 |
| #2 | 110.79 | .95798 | -.03946 | -.00280 | .02449 | .0877 | .91903 | 6.7952 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.5199 |
| Stddev | .3562  |
| %RSD   | 10.119 |

|    |        |
|----|--------|
| #1 | 3.2681 |
| #2 | 3.7718 |

Sample Name: J5187-12      Acquired: 10/3/2018 19:27:04      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2823.0 | 62029. | 5493.3 | 116.99 | 3688.8 |
| Stddev    | 158.6  | 50.    | 102.0  | 2.60   | 201.9  |
| %RSD      | 5.6170 | .08062 | 1.8559 | 2.2217 | 5.4725 |
| #1        | 2935.1 | 62064. | 5565.4 | 118.83 | 3831.5 |
| #2        | 2710.9 | 61993. | 5421.2 | 115.16 | 3546.0 |

Sample Name: J5187-13      Acquired: 10/3/2018 19:31:13      Type: Unk  
Method: P4-ICP2(v2474)      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    | .00352 | -.00220 | .00243 | .00538 | -.00308 | .00322 | .01802 | .00014 |
| Stddev | .00295 | .00050  | .00090 | .00715 | .00099  | .01023 | .00008 | .00009 |
| %RSD   | 83.754 | 22.619  | 37.152 | 132.97 | 32.121  | 317.59 | .46931 | 63.969 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00144 | -.00185 | .00179 | .00032 | -.00238 | -.00401 | .01796 | .00007 |
| #2 | .00561 | -.00255 | .00307 | .01044 | -.00378 | .01046  | .01808 | .00020 |

|        |         |        |         |        |        |         |        |        |
|--------|---------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00013 | 63.172 | -.00113 | .00002 | .00077 | -.01069 | .00410 | 137.84 |
| Stddev | .00005  | .237   | .00018  | .00016 | .00013 | .00340  | .00001 | .44    |
| %RSD   | 37.114  | .37516 | 15.651  | 808.06 | 17.054 | 31.799  | .29257 | .31637 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00017 | 63.004 | -.00126 | -.00009 | .00086 | -.01309 | .00411 | 137.54 |
| #2 | -.00010 | 63.339 | -.00101 | .00013  | .00067 | -.00828 | .00409 | 138.15 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00178 | -.00020 | 980.62 | .00135 | .00010 | 46.177 | .00062 | .47409 |
| Stddev | .00004  | .00043  | 27.76  | .00020 | .00002 | .187   | .00025 | .00276 |
| %RSD   | 2.0266  | 213.02  | 2.8311 | 14.478 | 25.783 | .40390 | 40.916 | .58289 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00175 | -.00051 | 1000.3 | .00149 | .00011 | 46.045 | .00044 | .47604 |
| #2 | -.00180 | .00010  | 960.99 | .00122 | .00008 | 46.309 | .00080 | .47213 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 102.08 | .96800 | -.03565 | -.00360 | .02663 | .0783  | .93362 | 7.0797 |
| Stddev | 4.25   | .00082 | .00379  | .00034  | .00217 | .0041  | .00121 | .2240  |
| %RSD   | 4.1641 | .08506 | 10.642  | 9.3219  | 8.1561 | 5.297  | .12946 | 3.1635 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 99.078 | .96742 | -.03296 | -.00336 | .02816 | .0754 | .93448 | 7.2381 |
| #2 | 105.09 | .96858 | -.03833 | -.00384 | .02509 | .0812 | .93277 | 6.9213 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.1831 |
| Stddev | .2214  |
| %RSD   | 6.9562 |

|    |        |
|----|--------|
| #1 | 3.0265 |
| #2 | 3.3396 |



Sample Name: J5187-13      Acquired: 10/3/2018 19:31:13      Type: Unk  
 Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2960.1 | 62165. | 5475.4 | 115.73 | 3856.3 |
| Stddev    | 99.3   | 106.   | 5.4    | .61    | 132.5  |
| %RSD      | 3.3536 | .16972 | .09952 | .52513 | 3.4364 |
| #1        | 3030.3 | 62090. | 5471.6 | 115.30 | 3950.1 |
| #2        | 2890.0 | 62239. | 5479.3 | 116.16 | 3762.6 |

Sample Name: J5187-14      Acquired: 10/3/2018 19:35:20      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00043 | -.00095 | .00024 | .00093 | -.00129 | .00428 | .01772 | .00006 |
| Stddev | .00203  | .00027  | .00009 | .00110 | .00048  | .00053 | .00038 | .00003 |
| %RSD   | 475.14  | 28.659  | 37.578 | 117.95 | 36.841  | 12.469 | 2.1205 | 58.391 |
| #1     | -.00187 | -.00114 | .00018 | .00171 | -.00095 | .00466 | .01799 | .00003 |
| #2     | .00101  | -.00076 | .00031 | .00015 | -.00163 | .00390 | .01746 | .00008 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00019 | 61.096 | -.00081 | -.00024 | .00126 | -.00273 | .00502 | 134.11 |
| Stddev | .00007  | .550   | .00003  | .00022  | .00008 | .00336  | .00079 | .33    |
| %RSD   | 40.002  | .90096 | 3.2410  | 90.956  | 6.6027 | 122.99  | 15.721 | .24686 |
| #1     | -.00024 | 61.485 | -.00083 | -.00039 | .00132 | -.00511 | .00558 | 134.34 |
| #2     | -.00013 | 60.706 | -.00079 | -.00009 | .00120 | -.00036 | .00446 | 133.87 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00123 | .00007 | 946.04 | .00189 | .00013 | 44.446 | .00085 | .45333 |
| Stddev | .00034  | .00004 | 19.12  | .00054 | .00004 | .113   | .00017 | .00479 |
| %RSD   | 27.883  | 50.720 | 2.0214 | 28.672 | 34.796 | .25398 | 19.933 | 1.0575 |
| #1     | -.00099 | .00005 | 959.56 | .00227 | .00010 | 44.525 | .00073 | .44994 |
| #2     | -.00148 | .00010 | 932.52 | .00150 | .00016 | 44.366 | .00097 | .45672 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 100.36 | .95054 | -.03598 | .00022  | .02262 | .0811  | .89412 | 10.366 |
| Stddev | .13    | .03390 | .00021  | .00254  | .00088 | .0024  | .00327 | 5.919  |
| %RSD   | .12731 | 3.5661 | .58019  | 1132.8  | 3.9042 | 2.960  | .36528 | 57.105 |
| #1     | 100.27 | .97451 | -.03583 | .00202  | .02200 | .0828  | .89643 | 14.551 |
| #2     | 100.46 | .92657 | -.03613 | -.00157 | .02325 | .0794  | .89181 | 6.1802 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.1486 |
| Stddev | .2052  |
| %RSD   | 6.5184 |
| #1     | 3.2938 |
| #2     | 3.0035 |

Sample Name: J5187-14      Acquired: 10/3/2018 19:35:20      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2959.6 | 57054. | 5651.7 | 120.15 | 3877.1 |
| Stddev    | 15.5   | 7727.  | 23.3   | 2.32   | 9.8    |
| %RSD      | .52372 | 13.543 | .41224 | 1.9318 | .25373 |
| #1        | 2948.6 | 51591. | 5635.2 | 118.51 | 3870.2 |
| #2        | 2970.5 | 62518. | 5668.2 | 121.79 | 3884.1 |

Sample Name: J5187-15      Acquired: 10/3/2018 19:39:28      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |           |          |          |          |           |          |        |
|--------|-----------|----------|----------|----------|-----------|----------|--------|
| Elem   | As1890    | Tl1908   | Pb2203   | Se1960   | Sb2068    | Al3961   | Ba4934 |
| Units  | ppm       | ppm      | ppm      | ppm      | ppm       | ppm      | ppm    |
| Avg    | k -.00123 | k .00031 | k .00102 | k .00247 | k -.00323 | s .00599 | .01665 |
| Stddev | .00082    | .00095   | .00022   | .00046   | .00034    | .01241   | .00007 |
| %RSD   | 66.747    | 309.73   | 21.387   | 18.727   | 10.643    | 207.11   | .40203 |

|    |           |           |          |          |           |           |        |
|----|-----------|-----------|----------|----------|-----------|-----------|--------|
| #1 | -.00181   | .00097    | .00086   | .00214   | -.00347   | .01477    | .01670 |
| #2 | k -.00065 | k -.00036 | k .00117 | k .00280 | k -.00299 | s -.00278 | .01660 |

|        |          |           |        |           |           |          |           |
|--------|----------|-----------|--------|-----------|-----------|----------|-----------|
| Elem   | Be2348   | Cd2265    | Ca3736 | Cr2677    | Co2286    | Cu2247   | Fe2404    |
| Units  | ppm      | ppm       | ppm    | ppm       | ppm       | ppm      | ppm       |
| Avg    | s .00002 | k -.00013 | 62.479 | s -.00112 | k -.00029 | k .00111 | k -.01533 |
| Stddev | .00004   | .00011    | .408   | .00053    | .00010    | .00007   | .00302    |
| %RSD   | 182.33   | 83.027    | .65346 | 47.210    | 36.555    | 6.2037   | 19.710    |

|    |           |           |        |           |           |          |           |
|----|-----------|-----------|--------|-----------|-----------|----------|-----------|
| #1 | .00006    | -.00021   | 62.768 | -.00150   | -.00036   | .00116   | -.01319   |
| #2 | s -.00001 | k -.00005 | 62.190 | s -.00075 | k -.00021 | k .00106 | k -.01746 |

|        |          |        |           |           |        |          |          |
|--------|----------|--------|-----------|-----------|--------|----------|----------|
| Elem   | Mn2576   | Mg2790 | Ni2316    | Ag3280    | Na5895 | V_2924   | Zn2138   |
| Units  | ppm      | ppm    | ppm       | ppm       | ppm    | ppm      | ppm      |
| Avg    | s .00894 | 137.40 | k -.00146 | s -.00068 | 961.50 | s .00085 | k .00045 |
| Stddev | .00250   | .25    | .00065    | .00013    | 8.08   | .00040   | .00006   |
| %RSD   | 28.001   | .17931 | 44.308    | 19.325    | .84041 | 46.516   | 13.418   |

|    |          |        |           |           |        |          |          |
|----|----------|--------|-----------|-----------|--------|----------|----------|
| #1 | .01071   | 137.23 | -.00100   | -.00059   | 967.22 | .00113   | .00049   |
| #2 | s .00717 | 137.58 | k -.00192 | s -.00078 | 955.79 | s .00057 | k .00041 |

|        |        |        |          |          |          |           |           |
|--------|--------|--------|----------|----------|----------|-----------|-----------|
| Elem   | K_7664 | Mo2020 | B_2496   | S_1820   | Si2881   | Sn1899    | Ti3361    |
| Units  | ppm    | ppm    | ppm      | ppm      | ppm      | ppm       | ppm       |
| Avg    | 46.144 | .00099 | k .46321 | k 106.12 | k .90808 | k -.01800 | k -.00407 |
| Stddev | .145   | .00021 | .00687   | .47      | .02854   | .02834    | .00080    |
| %RSD   | .31353 | 21.410 | 1.4840   | .44680   | 3.1425   | 157.45    | 19.550    |

|    |        |        |          |          |          |          |           |
|----|--------|--------|----------|----------|----------|----------|-----------|
| #1 | 46.246 | .00114 | .46807   | 106.46   | .92826   | -.03804  | -.00463   |
| #2 | 46.041 | .00084 | k .45835 | k 105.79 | k .88790 | k .00204 | k -.00351 |

|        |        |         |        |          |        |
|--------|--------|---------|--------|----------|--------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670   | U_3859 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    |
| Avg    | .02401 | k .0829 | .91106 | F<.00000 | 3.4738 |
| Stddev | .00328 | .0001   | .00196 | 8.2036   | 1.2664 |
| %RSD   | 13.662 | .0724   | .21459 | 459.40   | 36.457 |

|    |        |         |        |         |        |
|----|--------|---------|--------|---------|--------|
| #1 | .02169 | .0828   | .91245 | 4.0151  | 4.3693 |
| #2 | .02633 | k .0829 | .90968 | -7.5866 | 2.5783 |

Sample Name: J5187-15      Acquired: 10/3/2018 19:39:28      Type: Unk  
 Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306 | In2306 |
|-----------|--------|---------|--------|--------|--------|
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2917.5 | ^ ***** | 5711.6 | 120.20 | 3807.5 |
| Stddev    | 6.1    | -----   | 15.0   | 1.51   | 15.5   |
| %RSD      | .20804 | -----   | .26177 | 1.2600 | .40704 |
| #1        | 2921.8 | 63583.  | 5701.0 | 119.13 | 3796.5 |
| #2        | 2913.2 | ^ ----- | 5722.2 | 121.28 | 3818.4 |

Sample Name: J5187-16      Acquired: 10/3/2018 19:43:36      Type: Unk  
Method: P4-ICP2(v2474)      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    | .00128 | -.00153 | .00128 | .00188 | -.00500 | .00964 | .01618 | .00012 |
| Stddev | .00065 | .00021  | .00016 | .00153 | .00028  | .00342 | .00034 | .00001 |
| %RSD   | 50.362 | 14.018  | 12.512 | 81.074 | 5.6452  | 35.473 | 2.1266 | 6.0709 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00083 | -.00138 | .00116 | .00296 | -.00520 | .00722 | .01594 | .00011 |
| #2 | .00174 | -.00168 | .00139 | .00080 | -.00480 | .01206 | .01643 | .00012 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00015 | 62.141 | -.00129 | -.00058 | .00108 | -.01439 | .01132 | 137.34 |
| Stddev | .00001  | .197   | .00022  | .00006  | .00001 | .00712  | .00001 | .00    |
| %RSD   | 5.4407  | .31745 | 17.078  | 10.735  | 1.3613 | 49.500  | .06074 | .00082 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00014 | 62.002 | -.00113 | -.00053 | .00109 | -.01943 | .01132 | 137.34 |
| #2 | -.00015 | 62.281 | -.00144 | -.00062 | .00107 | -.00936 | .01133 | 137.34 |

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00151 | -.00033 | 968.66 | .00109 | -.00007 | 45.695 | .00099 | .46139 |
| Stddev | .00017  | .00059  | 10.87  | .00124 | .00009  | .269   | .00001 | .00891 |
| %RSD   | 10.971  | 181.37  | 1.1218 | 113.07 | 128.71  | .58885 | .52893 | 1.9305 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00139 | -.00075 | 976.34 | .00197 | -.00013 | 45.505 | .00099 | .45510 |
| #2 | -.00163 | .00009  | 960.97 | .00022 | -.00001 | 45.885 | .00099 | .46769 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 101.88 | .91624 | -.03521 | -.00323 | .02329 | .0815  | .90171 | 4.1874 |
| Stddev | .64    | .00801 | .00045  | .00098  | .00048 | .0024  | .00065 | .3507  |
| %RSD   | .63104 | .87411 | 1.2834  | 30.310  | 2.0633 | 2.926  | .07216 | 8.3755 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 102.33 | .91058 | -.03489 | -.00392 | .02295 | .0798 | .90125 | 3.9394 |
| #2 | 101.42 | .92191 | -.03553 | -.00254 | .02363 | .0831 | .90217 | 4.4354 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.0597 |
| Stddev | .0610  |
| %RSD   | 1.9944 |

|    |        |
|----|--------|
| #1 | 3.0166 |
| #2 | 3.1029 |

Sample Name: J5187-16      Acquired: 10/3/2018 19:43:36      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2967.5 | 63858. | 5653.5 | 121.66 | 3890.0 |
| Stddev    | 3.8    | 46.    | 6.4    | .72    | 26.0   |
| %RSD      | .12794 | .07243 | .11237 | .59384 | .66729 |
| #1        | 2964.8 | 63825. | 5649.0 | 122.17 | 3871.7 |
| #2        | 2970.2 | 63891. | 5658.0 | 121.15 | 3908.4 |

Sample Name: CCV08      Acquired: 10/3/2018 19:47:44      Type: Unk  
Method: P4-ICP2(v2474)      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    | 5.1734 | 5.2962 | 5.2706 | 5.3133 | 5.4220 | 10.852 | F 11.213 |
| Stddev | .0310  | .0152  | .0161  | .0007  | .0018  | .002   | .023     |
| %RSD   | .59851 | .28682 | .30583 | .01319 | .03360 | .01565 | .20742   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.1953 | 5.2855 | 5.2592 | 5.3128 | 5.4233 | 10.853 | 11.230 |
| #2 | 5.1515 | 5.3069 | 5.2820 | 5.3138 | 5.4207 | 10.851 | 11.197 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .26519 | 2.6351 | 27.202 | 1.0786 | 2.6698 | 1.3364 | 5.4752 |
| Stddev | .00028 | .0090  | .071   | .0000  | .0076  | .0002  | .1068  |
| %RSD   | .10431 | .34207 | .26057 | .00334 | .28472 | .01828 | 1.9502 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .26500 | 2.6287 | 27.152 | 1.0787 | 2.6644 | 1.3366 | 5.5507 |
| #2 | .26539 | 2.6415 | 27.253 | 1.0786 | 2.6751 | 1.3363 | 5.3997 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6907 | 26.416 | 2.6767 | 1.3426 | 26.628 | 2.6875 | 2.7392 |
| Stddev | .0009  | .078   | .0107  | .0029  | .010   | .0051  | .0402  |
| %RSD   | .03227 | .29551 | .40133 | .21439 | .03817 | .18890 | 1.4662 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6913 | 26.361 | 2.6691 | 1.3446 | 26.620 | 2.6911 | 2.7676 |
| #2 | 2.6901 | 26.471 | 2.6843 | 1.3405 | 26.635 | 2.6839 | 2.7108 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 27.438 | 5.4417 | 5.3277 | 5.4625 | 5.3136 | 5.3173 | 5.4385 |
| Stddev | .069   | .0019  | .0483  | .0108  | .0262  | .0136  | .0050  |
| %RSD   | .25244 | .03581 | .90590 | .19736 | .49358 | .25506 | .09118 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 27.389 | 5.4431 | 5.2936 | 5.4701 | 5.2951 | 5.3077 | 5.4420 |
| #2 | 27.487 | 5.4404 | 5.3618 | 5.4548 | 5.3322 | 5.3269 | 5.4350 |

|        |        |        |          |          |          |
|--------|--------|--------|----------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077   | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | 4.7141 | 5.451  | F 5.5674 | F 2.5897 | F 2.3113 |
| Stddev | .0013  | .007   | .0226    | .1955    | .4854    |
| %RSD   | .02708 | .1315  | .40523   | 7.5500   | 21.002   |

|    |        |       |        |        |        |
|----|--------|-------|--------|--------|--------|
| #1 | 4.7132 | 5.446 | 5.5514 | 2.7280 | 1.9680 |
| #2 | 4.7150 | 5.456 | 5.5833 | 2.4515 | 2.6545 |



Sample Name: CCV08      Acquired: 10/3/2018 19:47:44      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3031.2 | 66849. | 5477.4 | 112.29 | 4069.4 |
| Stddev    | 12.7   | 173.   | 21.0   | 2.00   | 1.1    |
| %RSD      | .41754 | .25848 | .38306 | 1.7832 | .02766 |
| #1        | 3022.2 | 66727. | 5492.2 | 110.87 | 4068.6 |
| #2        | 3040.1 | 66972. | 5462.6 | 113.71 | 4070.2 |

Sample Name: CCB08      Acquired: 10/3/2018 19:51:29      Type: Unk  
Method: P4-ICP2(v2474)      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    | -.00361 | -.00006 | -.00143 | .00028 | .00163 | .00625 | -.00001 |
| Stddev | .00045  | .00089  | .00010  | .00150 | .00099 | .02196 | .00050  |
| %RSD   | 12.477  | 1494.1  | 6.9007  | 540.96 | 60.828 | 351.45 | 5487.0  |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.00393 | .00057  | -.00150 | -.00078 | .00093 | .02178  | -.00036 |
| #2 | -.00329 | -.00069 | -.00136 | .00133  | .00234 | -.00928 | .00034  |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00001 | .00002 | .01221 | -.00036 | .00013 | -.00044 | .00872 |
| Stddev | .00001 | .00001 | .00614 | .00037  | .00015 | .00000  | .01078 |
| %RSD   | 138.92 | 23.383 | 50.317 | 100.77  | 121.54 | .98516  | 123.66 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00000 | .00002 | .01655 | -.00010 | .00002 | -.00043 | .01634 |
| #2 | .00001 | .00003 | .00786 | -.00062 | .00024 | -.00044 | .00110 |

|        |         |        |        |         |        |        |         |
|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00019 | .01706 | .00055 | -.00052 | .20998 | .00002 | -.00055 |
| Stddev | .00003  | .01374 | .00013 | .00021  | .00184 | .00069 | .00011  |
| %RSD   | 15.751  | 80.528 | 24.119 | 40.406  | .87461 | 3117.2 | 20.526  |

|    |         |        |        |         |        |         |         |
|----|---------|--------|--------|---------|--------|---------|---------|
| #1 | -.00021 | .00735 | .00065 | -.00037 | .20869 | -.00047 | -.00063 |
| #2 | -.00016 | .02678 | .00046 | -.00066 | .21128 | .00051  | -.00047 |

|        |        |        |        |          |        |         |         |
|--------|--------|--------|--------|----------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm     |
| Avg    | .01573 | .00070 | .00216 | F .11511 | .00006 | -.00033 | -.00110 |
| Stddev | .04550 | .00075 | .00733 | .00688   | .00233 | .00016  | .00022  |
| %RSD   | 289.28 | 107.34 | 338.73 | 5.9762   | 4061.8 | 47.293  | 19.662  |

|    |         |        |         |        |         |         |         |
|----|---------|--------|---------|--------|---------|---------|---------|
| #1 | .04790  | .00123 | -.00302 | .11997 | .00171  | -.00022 | -.00095 |
| #2 | -.01645 | .00017 | .00735  | .11025 | -.00159 | -.00045 | -.00126 |

|        |        |        |         |          |          |
|--------|--------|--------|---------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg    | .00279 | -.0010 | -.00005 | F<.00000 | F<.00000 |
| Stddev | .00119 | .0013  | .00000  | .28203   | .30742   |
| %RSD   | 42.579 | 134.9  | 2.3805  | 13.357   | 93.272   |

|    |        |        |         |         |         |
|----|--------|--------|---------|---------|---------|
| #1 | .00195 | -.0000 | -.00005 | -1.9121 | -.11221 |
| #2 | .00363 | -.0019 | -.00006 | -2.3109 | -.54697 |

Sample Name: CCB08      Acquired: 10/3/2018 19:51:29      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3221.4 | 71725. | 5617.7 | 120.64 | 4606.2 |
| Stddev    | 18.7   | 106.   | 43.7   | .14    | 29.4   |
| %RSD      | .57914 | .14710 | .77760 | .11235 | .63775 |
| #1        | 3208.2 | 71651. | 5586.8 | 120.73 | 4585.4 |
| #2        | 3234.6 | 71800. | 5648.6 | 120.54 | 4627.0 |

Sample Name: J5187-17      Acquired: 10/3/2018 19:55:34      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00283 | .00001 | .00203 | .00291 | -.00390 | .00202 | .02140 | .00001 |
| Stddev | .00005 | .00050 | .00076 | .00421 | .00132  | .01552 | .00556 | .00007 |
| %RSD   | 1.8179 | 7789.4 | 37.207 | 144.61 | 33.805  | 767.78 | 25.998 | 1154.0 |

|    |        |         |        |         |         |         |        |         |
|----|--------|---------|--------|---------|---------|---------|--------|---------|
| #1 | .00287 | .00036  | .00150 | .00589  | -.00297 | -.00895 | .02533 | .00006  |
| #2 | .00280 | -.00034 | .00256 | -.00007 | -.00483 | .01300  | .01747 | -.00004 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00005 | 73.670 | -.00142 | -.00050 | .00051 | -.00695 | .00553 | 165.93 |
| Stddev | .00002  | 12.080 | .00039  | .00000  | .00096 | .00276  | .00020 | 27.45  |
| %RSD   | 35.657  | 16.398 | 27.493  | .77756  | 187.86 | 39.780  | 3.5991 | 16.542 |

|    |         |        |         |         |         |         |        |        |
|----|---------|--------|---------|---------|---------|---------|--------|--------|
| #1 | -.00007 | 82.212 | -.00170 | -.00050 | -.00017 | -.00499 | .00539 | 185.33 |
| #2 | -.00004 | 65.128 | -.00115 | -.00051 | .00119  | -.00890 | .00567 | 146.52 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00160 | -.00023 | 1129.2 | .00134 | .00020 | 54.402 | .00130 | .57289 |
| Stddev | .00026  | .00020  | 104.5  | .00035 | .00011 | 8.174  | .00014 | .11317 |
| %RSD   | 16.455  | 83.933  | 9.2570 | 25.885 | 56.215 | 15.024 | 10.858 | 19.754 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00179 | -.00009 | 1203.1 | .00109 | .00027 | 60.182 | .00140 | .65291 |
| #2 | -.00141 | -.00037 | 1055.3 | .00159 | .00012 | 48.622 | .00120 | .49287 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 111.21 | 1.0397 | -.03927 | -.00185 | .03005 | .0856  | 1.0897 | 3.4897 |
| Stddev | 1.10   | .1398  | .00016  | .00129  | .00311 | .0012  | .1742  | .1321  |
| %RSD   | .98723 | 13.446 | .41502  | 70.007  | 10.340 | 1.414  | 15.985 | 3.7866 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 110.43 | 1.1386 | -.03915 | -.00093 | .03225 | .0865 | 1.2129 | 3.3963 |
| #2 | 111.99 | .94086 | -.03938 | -.00276 | .02786 | .0847 | .96654 | 3.5831 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.3338 |
| Stddev | .0814  |
| %RSD   | 2.4421 |

|    |        |
|----|--------|
| #1 | 3.3914 |
| #2 | 3.2762 |

Sample Name: J5187-17      Acquired: 10/3/2018 19:55:34      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2967.1 | 64733. | 5173.2 | 110.68 | 3852.6 |
| Stddev    | 32.2   | 240.   | 746.3  | 13.52  | 49.4   |
| %RSD      | 1.0853 | .37032 | 14.427 | 12.217 | 1.2814 |
| #1        | 2989.8 | 64902. | 4645.4 | 101.12 | 3887.5 |
| #2        | 2944.3 | 64563. | 5700.9 | 120.24 | 3817.7 |

Sample Name: J5187-18      Acquired: 10/3/2018 19:59:41      Type: Unk  
Method: P4-ICP2(v2474)      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    | .00455 | -.00015 | .00148 | .00400 | -.00301 | .01804 | .01875 | .00009 |
| Stddev | .00039 | .00030  | .00004 | .00269 | .00126  | .01622 | .00031 | .00000 |
| %RSD   | 8.6363 | 198.49  | 2.6175 | 67.321 | 41.685  | 89.887 | 1.6753 | 2.1836 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00427 | .00006  | .00151 | .00209 | -.00213 | .02951 | .01853 | .00009 |
| #2 | .00483 | -.00036 | .00145 | .00590 | -.00390 | .00658 | .01897 | .00009 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00026 | 65.839 | -.00100 | -.00047 | .00104 | -.01828 | .00429 | 148.92 |
| Stddev | .00000  | .370   | .00037  | .00002  | .00029 | .00084  | .00014 | .96    |
| %RSD   | 1.6650  | .56159 | 36.686  | 3.5260  | 27.765 | 4.6172  | 3.1897 | .64592 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00027 | 66.100 | -.00074 | -.00048 | .00125 | -.01888 | .00420 | 148.24 |
| #2 | -.00026 | 65.577 | -.00126 | -.00046 | .00084 | -.01769 | .00439 | 149.60 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00140 | .00037 | 1070.7 | .00099 | .00730 | 50.012 | .00129 | .51927 |
| Stddev | .00006  | .00052 | 8.4    | .00060 | .00014 | .036   | .00010 | .01511 |
| %RSD   | 4.2925  | 140.54 | .78135 | 59.988 | 1.9459 | .07209 | 7.3545 | 2.9104 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00136 | .00073 | 1064.7 | .00141 | .00740 | 49.986 | .00123 | .50858 |
| #2 | -.00144 | .00000 | 1076.6 | .00057 | .00720 | 50.037 | .00136 | .52996 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 112.35 | .96066 | -.03964 | -.00249 | .02706 | .0862  | 1.0032 | 7.7915 |
| Stddev | 1.23   | .00964 | .00046  | .00159  | .00044 | .0004  | .0004  | .3806  |
| %RSD   | 1.0904 | 1.0038 | 1.1510  | 63.660  | 1.6434 | .4292  | .04276 | 4.8849 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 113.22 | .96748 | -.03932 | -.00137 | .02738 | .0860 | 1.0035 | 8.0606 |
| #2 | 111.49 | .95384 | -.03996 | -.00361 | .02675 | .0865 | 1.0029 | 7.5224 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.5431 |
| Stddev | .3890  |
| %RSD   | 10.978 |

|    |        |
|----|--------|
| #1 | 3.2681 |
| #2 | 3.8182 |

Sample Name: J5187-18      Acquired: 10/3/2018 19:59:41      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2944.5 | 61878. | 5584.1 | 119.01 | 3840.0 |
| Stddev    | 17.2   | 125.   | .3     | 1.19   | 39.4   |
| %RSD      | .58513 | .20130 | .00602 | 1.0006 | 1.0260 |
| #1        | 2932.3 | 61790. | 5584.4 | 118.17 | 3812.1 |
| #2        | 2956.7 | 61966. | 5583.9 | 119.85 | 3867.8 |

Sample Name: J5187-19      Acquired: 10/3/2018 20:03:49      Type: Unk  
Method: P4-ICP2(v2474)      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    | -. <b>00026</b> | -. <b>00049</b> | . <b>00053</b> | . <b>00442</b> | -. <b>00479</b> | -. <b>00325</b> | . <b>01898</b> | -. <b>00000</b> |
| Stddev | .00184          | .00076          | .00022         | .00028         | .00262          | .02206          | .00184         | .00019          |
| %RSD   | 706.91          | 155.68          | 41.575         | 6.3459         | 54.852          | 679.67          | 9.6883         | 8479.6          |

|    |                 |                 |                |                |                 |                 |                |                 |
|----|-----------------|-----------------|----------------|----------------|-----------------|-----------------|----------------|-----------------|
| #1 | . <b>00104</b>  | -. <b>00102</b> | . <b>00069</b> | . <b>00462</b> | -. <b>00664</b> | . <b>01235</b>  | . <b>02028</b> | -. <b>00013</b> |
| #2 | -. <b>00156</b> | . <b>00005</b>  | . <b>00038</b> | . <b>00422</b> | -. <b>00293</b> | -. <b>01885</b> | . <b>01768</b> | . <b>00013</b>  |

|        |                 |               |                 |                 |                |                 |                |               |
|--------|-----------------|---------------|-----------------|-----------------|----------------|-----------------|----------------|---------------|
| Elem   | Cd2265          | Ca3736        | Cr2677          | Co2286          | Cu2247         | Fe2404          | Mn2576         | Mg2790        |
| Units  | ppm             | ppm           | ppm             | ppm             | ppm            | ppm             | ppm            | ppm           |
| Avg    | -. <b>00009</b> | <b>67.524</b> | -. <b>00121</b> | -. <b>00033</b> | . <b>00136</b> | -. <b>01816</b> | . <b>01575</b> | <b>153.09</b> |
| Stddev | .00005          | .388          | .00006          | .00001          | .00052         | .00351          | .00010         | .31           |
| %RSD   | 56.105          | .57416        | 4.9799          | 3.4306          | 38.230         | 19.317          | .62809         | .20500        |

|    |                 |               |                 |                 |                |                 |                |               |
|----|-----------------|---------------|-----------------|-----------------|----------------|-----------------|----------------|---------------|
| #1 | -. <b>00012</b> | <b>67.798</b> | -. <b>00125</b> | -. <b>00034</b> | . <b>00172</b> | -. <b>02064</b> | . <b>01582</b> | <b>153.32</b> |
| #2 | -. <b>00005</b> | <b>67.249</b> | -. <b>00117</b> | -. <b>00032</b> | . <b>00099</b> | -. <b>01568</b> | . <b>01568</b> | <b>152.87</b> |

|        |                 |                |               |                |                |               |                |                |
|--------|-----------------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|
| Elem   | Ni2316          | Ag3280         | Na5895        | V_2924         | Zn2138         | K_7664        | Mo2020         | B_2496         |
| Units  | ppm             | ppm            | ppm           | ppm            | ppm            | ppm           | ppm            | ppm            |
| Avg    | -. <b>00221</b> | . <b>00029</b> | <b>1046.8</b> | . <b>00080</b> | . <b>00014</b> | <b>52.123</b> | . <b>00090</b> | . <b>52225</b> |
| Stddev | .00048          | .00004         | 21.9          | .00057         | .00002         | .160          | .00026         | .01216         |
| %RSD   | 21.799          | 15.090         | 2.0921        | 71.625         | 14.142         | .30633        | 28.530         | 2.3281         |

|    |                 |                |               |                |                |               |                |                |
|----|-----------------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|
| #1 | -. <b>00255</b> | . <b>00026</b> | <b>1062.3</b> | . <b>00039</b> | . <b>00013</b> | <b>52.236</b> | . <b>00072</b> | . <b>53085</b> |
| #2 | -. <b>00187</b> | . <b>00032</b> | <b>1031.3</b> | . <b>00120</b> | . <b>00016</b> | <b>52.010</b> | . <b>00108</b> | . <b>51365</b> |

|        |               |               |                 |                 |                |               |               |               |
|--------|---------------|---------------|-----------------|-----------------|----------------|---------------|---------------|---------------|
| Elem   | S_1820        | Si2881        | Sn1899          | Ti3361          | Li6707         | P_1774        | Sr4077        | U_3670        |
| Units  | ppm           | ppm           | ppm             | ppm             | ppm            | ppm           | ppm           | ppm           |
| Avg    | <b>115.70</b> | <b>1.0160</b> | -. <b>04078</b> | -. <b>00245</b> | . <b>02728</b> | . <b>1001</b> | <b>1.0268</b> | <b>6.4884</b> |
| Stddev | 1.23          | .0086         | .00032          | .00026          | .00136         | .0018         | .0064         | .0816         |
| %RSD   | 1.0644        | .84480        | .79505          | 10.746          | 4.9966         | 1.759         | .62185        | 1.2581        |

|    |               |               |                 |                 |                |               |               |               |
|----|---------------|---------------|-----------------|-----------------|----------------|---------------|---------------|---------------|
| #1 | <b>116.57</b> | <b>1.0220</b> | -. <b>04101</b> | -. <b>00226</b> | . <b>02632</b> | . <b>0988</b> | <b>1.0313</b> | <b>6.5461</b> |
| #2 | <b>114.83</b> | <b>1.0099</b> | -. <b>04055</b> | -. <b>00263</b> | . <b>02825</b> | . <b>1013</b> | <b>1.0223</b> | <b>6.4307</b> |

|        |               |
|--------|---------------|
| Elem   | U_3859        |
| Units  | ppm           |
| Avg    | <b>3.9567</b> |
| Stddev | .0477         |
| %RSD   | 1.2066        |

|    |               |
|----|---------------|
| #1 | <b>3.9230</b> |
| #2 | <b>3.9905</b> |



Sample Name: J5187-19      Acquired: 10/3/2018 20:03:49      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2925.6 | 62959. | 5553.4 | 118.81 | 3815.2 |
| Stddev    | 29.7   | 255.   | 37.4   | 1.53   | 41.4   |
| %RSD      | 1.0142 | .40467 | .67311 | 1.2907 | 1.0862 |
| #1        | 2904.6 | 62779. | 5527.0 | 117.73 | 3785.9 |
| #2        | 2946.5 | 63139. | 5579.8 | 119.90 | 3844.5 |

Sample Name: J5187-20      Acquired: 10/3/2018 20:07:57      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00220 | -.00256 | .00240 | .00682 | -.00433 | .00073 | .01807 | .00007 |
| Stddev | .00451 | .00026  | .00081 | .00311 | .00240  | .01448 | .00009 | .00004 |
| %RSD   | 204.80 | 10.174  | 33.739 | 45.653 | 55.451  | 1995.6 | .51042 | 59.142 |

|    |         |         |        |        |         |         |        |        |
|----|---------|---------|--------|--------|---------|---------|--------|--------|
| #1 | -.00099 | -.00274 | .00182 | .00462 | -.00263 | .01096  | .01814 | .00010 |
| #2 | .00540  | -.00237 | .00297 | .00902 | -.00603 | -.00951 | .01801 | .00004 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00029 | 66.855 | -.00143 | -.00039 | .00079 | -.01596 | .01469 | 152.88 |
| Stddev | .00007  | .346   | .00065  | .00014  | .00022 | .01035  | .00002 | .05    |
| %RSD   | 24.955  | .51777 | 45.447  | 36.693  | 27.178 | 64.857  | .12862 | .03240 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00024 | 67.100 | -.00189 | -.00029 | .00064 | -.00864 | .01470 | 152.84 |
| #2 | -.00035 | 66.610 | -.00097 | -.00049 | .00095 | -.02328 | .01468 | 152.91 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00205 | -.00050 | 1049.7 | .00098 | .00011 | 51.624 | .00112 | .52284 |
| Stddev | .00075  | .00015  | 10.8   | .00027 | .00001 | .091   | .00013 | .00303 |
| %RSD   | 36.836  | 30.495  | 1.0298 | 27.472 | 8.8211 | .17557 | 11.306 | .58001 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00151 | -.00039 | 1057.4 | .00117 | .00012 | 51.688 | .00121 | .52499 |
| #2 | -.00258 | -.00061 | 1042.1 | .00079 | .00011 | 51.560 | .00103 | .52070 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 121.84 | .99921 | -.04333 | -.00324 | .02755 | .1023  | 1.0127 | 5.8892 |
| Stddev | 9.64   | .01182 | .00254  | .00062  | .00059 | .0094  | .0087  | .2171  |
| %RSD   | 7.9093 | 1.1832 | 5.8518  | 19.245  | 2.1529 | 9.156  | .86084 | 3.6869 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 115.03 | 1.0076 | -.04154 | -.00368 | .02713 | .0957 | 1.0189 | 6.0427 |
| #2 | 128.65 | .99085 | -.04512 | -.00280 | .02797 | .1090 | 1.0066 | 5.7356 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.9952 |
| Stddev | .6811  |
| %RSD   | 22.740 |

|    |        |
|----|--------|
| #1 | 3.4769 |
| #2 | 2.5136 |

Sample Name: J5187-20      Acquired: 10/3/2018 20:07:57      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      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       | 2781.9 | 62519. | 5632.8 | 118.22 | 3630.1 |
| Stddev    | 184.0  | 67.    | 26.8   | .38    | 251.5  |
| %RSD      | 6.6137 | .10770 | .47559 | .31957 | 6.9289 |
| #1        | 2912.0 | 62471. | 5613.8 | 117.95 | 3807.9 |
| #2        | 2651.8 | 62566. | 5651.7 | 118.49 | 3452.2 |

Sample Name: J5192-02      Acquired: 10/3/2018 20:12:05      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-05-100218      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |         |
|--------|---------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00188 | -.00370 | .01284 | .00494 | -.00019 | 1.1828 | .14084 | -.00007 |
| Stddev | .00356  | .00027  | .00164 | .00092 | .00108  | .0161  | .00117 | .00000  |
| %RSD   | 189.66  | 7.3177  | 12.765 | 18.584 | 576.05  | 1.3623 | .83400 | .79262  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00440 | -.00351 | .01168 | .00429 | .00057  | 1.1714 | .14001 | -.00007 |
| #2 | .00064  | -.00389 | .01400 | .00559 | -.00095 | 1.1942 | .14167 | -.00007 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00012 | 41.547 | .00215 | .00847 | .01151 | 2.3843 | .86653 | 7.6038 |
| Stddev | .00003 | .375   | .00030 | .00027 | .00045 | .0353  | .00130 | .0146  |
| %RSD   | 28.164 | .90165 | 13.862 | 3.1998 | 3.9107 | 1.4788 | .14964 | .19153 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00015 | 41.282 | .00236 | .00866 | .01183 | 2.3594 | .86561 | 7.5935 |
| #2 | .00010 | 41.812 | .00194 | .00827 | .01119 | 2.4092 | .86744 | 7.6141 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00385 | -.00053 | 295.75 | .00246 | .06878 | 2.4783 | -.00020 | .00822 |
| Stddev | .00014 | .00096  | 7.75   | .00002 | .00028 | .0171  | .00029  | .00392 |
| %RSD   | 3.7259 | 181.86  | 2.6201 | .64439 | .41173 | .69110 | 143.24  | 47.709 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00375 | -.00121 | 290.27 | .00245 | .06858 | 2.4904 | .00000  | .00545 |
| #2 | .00395 | .00015  | 301.23 | .00247 | .06898 | 2.4662 | -.00040 | .01100 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .95835 | 2.5690 | .00299 | .02911 | .00459 | .0254  | .13030 | 2.9310 |
| Stddev | .02558 | .0538  | .00092 | .00199 | .00175 | .0028  | .00062 | .3961  |
| %RSD   | 2.6689 | 2.0927 | 30.854 | 6.8358 | 37.991 | 11.07  | .47845 | 13.514 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .97644 | 2.5310 | .00234 | .02770 | .00583 | .0235 | .12986 | 3.2111 |
| #2 | .94027 | 2.6070 | .00364 | .03052 | .00336 | .0274 | .13074 | 2.6509 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.6393 |
| Stddev | .4594  |
| %RSD   | 17.405 |

|    |        |
|----|--------|
| #1 | 2.9641 |
| #2 | 2.3144 |

Sample Name: J5192-02      Acquired: 10/3/2018 20:12:05      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-05-100218      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       | 2971.1 | 65168. | 5484.9 | 113.43 | 4019.0 |
| Stddev    | 4.4    | 263.   | 23.7   | .45    | 16.8   |
| %RSD      | .14923 | .40428 | .43256 | .39818 | .41687 |
| #1        | 2967.9 | 64982. | 5501.7 | 113.75 | 4007.2 |
| #2        | 2974.2 | 65355. | 5468.2 | 113.11 | 4030.9 |

Sample Name: J5192-04      Acquired: 10/3/2018 20:16:13      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-05-100218      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00484 | -.00347 | .00580 | .00345 | -.00101 | .14391 | .18223 | .00002 |
| Stddev | .00177  | .00067  | .00040 | .00354 | .00098  | .00641 | .00114 | .00005 |
| %RSD   | 36.576  | 19.341  | 6.9504 | 102.71 | 96.457  | 4.4534 | .62395 | 354.53 |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00359 | -.00299 | .00609 | .00094 | -.00170 | .13938 | .18304 | -.00002 |
| #2 | -.00609 | -.00394 | .00552 | .00595 | -.00032 | .14844 | .18143 | .00005  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00009 | 30.429 | .00015 | .00654 | .00721 | .25171 | .53839 | 6.6447 |
| Stddev | .00002 | .024   | .00009 | .00010 | .00022 | .01106 | .00041 | .0175  |
| %RSD   | 26.173 | .07920 | 61.309 | 1.4825 | 3.0433 | 4.3922 | .07547 | .26378 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00010 | 30.446 | .00008 | .00661 | .00705 | .25953 | .53810 | 6.6323 |
| #2 | .00007 | 30.412 | .00021 | .00648 | .00736 | .24389 | .53868 | 6.6571 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00236 | -.00121 | 289.65 | -.00031 | .06876 | 1.9264 | -.00011 | .02862 |
| Stddev | .00016 | .00011  | 1.72   | .00038  | .00101 | .0047  | .00003  | .02271 |
| %RSD   | 6.8450 | 9.3565  | .59546 | 123.81  | 1.4659 | .24624 | 26.105  | 79.358 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00224 | -.00113 | 288.43 | -.00004 | .06948 | 1.9298 | -.00013 | .04468 |
| #2 | .00247 | -.00129 | 290.87 | -.00058 | .06805 | 1.9231 | -.00009 | .01256 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .84652 | .76209 | .00290 | .00117 | .00271 | .0058  | .11613 | 2.5436 |
| Stddev | .00797 | .00900 | .00070 | .00309 | .00090 | .0006  | .00052 | .1704  |
| %RSD   | .94173 | 1.1808 | 24.091 | 264.80 | 33.071 | 10.64  | .44510 | 6.6992 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | .85216 | .76845 | .00339 | -.00102 | .00334 | .0054 | .11650 | 2.6640 |
| #2 | .84088 | .75573 | .00241 | .00335  | .00208 | .0063 | .11576 | 2.4231 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.1336 |
| Stddev | .1527  |
| %RSD   | 13.471 |

|    |        |
|----|--------|
| #1 | 1.2415 |
| #2 | 1.0256 |

Sample Name: J5192-04      Acquired: 10/3/2018 20:16:13      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: AU-05-100218      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       | 2979.9 | 65742. | 5509.3 | 113.91 | 4040.0 |
| Stddev    | 10.6   | 246.   | 67.5   | 2.65   | 23.6   |
| %RSD      | .35565 | .37421 | 1.2260 | 2.3263 | .58300 |
| #1        | 2972.4 | 65568. | 5461.5 | 112.04 | 4023.3 |
| #2        | 2987.4 | 65916. | 5557.0 | 115.79 | 4056.7 |

Sample Name: J5194-02      Acquired: 10/3/2018 20:20:21      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-100218      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |         |
|--------|---------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00123 | -.00453 | .01988 | .00299 | -.00161 | .06764 | .12970 | -.00009 |
| Stddev | .00275  | .00055  | .00003 | .00310 | .00026  | .00570 | .00054 | .00004  |
| %RSD   | 224.22  | 12.194  | .14339 | 103.53 | 16.211  | 8.4308 | .41897 | 51.869  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00317 | -.00414 | .01990 | .00080 | -.00179 | .06361 | .13008 | -.00012 |
| #2 | .00072  | -.00492 | .01986 | .00518 | -.00142 | .07168 | .12932 | -.00005 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00046 | 57.341 | -.00032 | .00996 | .01290 | .13428 | .83349 | 1.5641 |
| Stddev | .00006 | .128   | .00013  | .00021 | .00016 | .00616 | .00135 | .0057  |
| %RSD   | 13.676 | .22365 | 40.680  | 2.1340 | 1.2700 | 4.5895 | .16225 | .36734 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00050 | 57.432 | -.00041 | .00981 | .01278 | .12992 | .83444 | 1.5600 |
| #2 | .00041 | 57.251 | -.00022 | .01011 | .01301 | .13864 | .83253 | 1.5681 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00469 | -.00049 | 296.69 | .00027 | .06152 | 1.0834 | -.00008 | .00066 |
| Stddev | .00024 | .00057  | 1.04   | .00111 | .00015 | .0104  | .00033  | .00047 |
| %RSD   | 5.0278 | 116.46  | .34889 | 412.98 | .24937 | .96403 | 390.45  | 71.358 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00486 | -.00009 | 297.42 | -.00052 | .06141 | 1.0760 | -.00032 | .00033 |
| #2 | .00452 | -.00089 | 295.96 | .00105  | .06163 | 1.0908 | .00015  | .00100 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .98389 | .99187 | .00167 | -.00143 | .00589 | .0110  | .24602 | 2.8608 |
| Stddev | .00346 | .00991 | .00116 | .00308  | .00040 | .0000  | .00108 | .5473  |
| %RSD   | .35163 | .99891 | 69.092 | 215.41  | 6.7788 | .1426  | .43853 | 19.132 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | .98145 | .99887 | .00249 | .00075  | .00617 | .0109 | .24679 | 3.2479 |
| #2 | .98634 | .98486 | .00086 | -.00360 | .00560 | .0110 | .24526 | 2.4738 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.5200 |
| Stddev | .6959  |
| %RSD   | 45.783 |

|    |        |
|----|--------|
| #1 | 2.0121 |
| #2 | 1.0279 |



Sample Name: J5194-02      Acquired: 10/3/2018 20:20:21      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-100218      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       | 2990.6 | 65411. | 5489.7 | 116.12 | 4036.1 |
| Stddev    | 14.7   | 242.   | 62.2   | .02    | 6.5    |
| %RSD      | .49186 | .36993 | 1.1331 | .01867 | .16110 |
| #1        | 2980.2 | 65239. | 5445.7 | 116.10 | 4031.5 |
| #2        | 3001.0 | 65582. | 5533.6 | 116.13 | 4040.7 |

Sample Name: J5194-04      Acquired: 10/3/2018 20:24:29      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-100218      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |         |
|--------|---------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00390 | -.00173 | .00714 | .00205 | -.00301 | .07489 | .13298 | -.00001 |
| Stddev | .00106  | .00027  | .00051 | .00170 | .00035  | .00182 | .00092 | .00002  |
| %RSD   | 27.126  | 15.735  | 7.0771 | 82.772 | 11.651  | 2.4292 | .69068 | 215.40  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00315 | -.00192 | .00678 | .00325 | -.00325 | .07360 | .13363 | -.00003 |
| #2 | -.00465 | -.00154 | .00750 | .00085 | -.00276 | .07618 | .13234 | .00001  |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00017 | 44.421 | -.00017 | .00426 | .00906 | .00098 | .51495 | 1.3159 |
| Stddev | .00019 | .133   | .00016  | .00021 | .00054 | .00805 | .00161 | .0151  |
| %RSD   | 110.59 | .29906 | 97.851  | 4.9726 | 5.9704 | 821.39 | .31240 | 1.1447 |

|    |        |        |         |        |        |         |        |        |
|----|--------|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00004 | 44.327 | -.00005 | .00441 | .00945 | -.00471 | .51382 | 1.3266 |
| #2 | .00031 | 44.515 | -.00028 | .00411 | .00868 | .00667  | .51609 | 1.3053 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00224 | -.00045 | 289.32 | .00009 | .04230 | 1.2504 | -.00052 | .00045 |
| Stddev | .00005 | .00020  | .60    | .00045 | .00118 | .0017  | .00001  | .01658 |
| %RSD   | 2.0284 | 44.379  | .20843 | 515.44 | 2.7918 | .13520 | 2.5249  | 3661.4 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00227 | -.00031 | 289.75 | -.00023 | .04146 | 1.2516 | -.00053 | .01218  |
| #2 | .00221 | -.00059 | 288.90 | .00041  | .04313 | 1.2492 | -.00051 | -.01127 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .40487 | 1.1983 | .00245 | -.00354 | .00456 | .0145  | .22054 | 3.3940 |
| Stddev | .00095 | .0011  | .00152 | .00168  | .00242 | .0024  | .00272 | .2271  |
| %RSD   | .23580 | .08951 | 61.977 | 47.584  | 52.981 | 16.26  | 1.2336 | 6.6924 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | .40419 | 1.1975 | .00138 | -.00473 | .00285 | .0128 | .22246 | 3.2334 |
| #2 | .40554 | 1.1991 | .00352 | -.00235 | .00627 | .0161 | .21862 | 3.5546 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.4916 |
| Stddev | .0541  |
| %RSD   | 3.6254 |

|    |        |
|----|--------|
| #1 | 1.5299 |
| #2 | 1.4534 |

Sample Name: J5194-04      Acquired: 10/3/2018 20:24:29      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-100218      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       | 2975.8 | 65700. | 5473.0 | 116.92 | 4010.7 |
| Stddev    | 30.0   | 94.    | 2.9    | 1.99   | 35.5   |
| %RSD      | 1.0072 | .14308 | .05298 | 1.7022 | .88413 |
| #1        | 2954.6 | 65767. | 5470.9 | 118.33 | 3985.6 |
| #2        | 2997.0 | 65634. | 5475.0 | 115.51 | 4035.8 |

Sample Name: J5194-06      Acquired: 10/3/2018 20:28:38      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-100218      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |         |
|--------|---------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00286 | -.00402 | .00776 | .00255 | -.00185 | .09197 | .07940 | -.00000 |
| Stddev | .00369  | .00111  | .00006 | .00335 | .00183  | .00009 | .00046 | .00002  |
| %RSD   | 128.85  | 27.591  | .74855 | 131.43 | 98.570  | .10113 | .57816 | 532.89  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00547 | -.00323 | .00772 | .00491 | -.00056 | .09191 | .07908 | -.00001 |
| #2 | -.00025 | -.00480 | .00780 | .00018 | -.00315 | .09204 | .07973 | .00001  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00018 | 41.933 | .00007 | .00334 | .00682 | .01578 | .43072 | 1.7617 |
| Stddev | .00007 | .442   | .00039 | .00019 | .00020 | .00184 | .00071 | .0349  |
| %RSD   | 40.936 | 1.0537 | 517.27 | 5.6855 | 2.9606 | 11.687 | .16582 | 1.9790 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00023 | 41.621 | .00035  | .00320 | .00668 | .01448 | .43022 | 1.7371 |
| #2 | .00013 | 42.246 | -.00020 | .00347 | .00696 | .01709 | .43123 | 1.7864 |

|        |        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00374 | .00010 | 271.73 | .00029 | .03151 | .84521 | -.00012 | -.00444 |
| Stddev | .00042 | .00038 | 1.55   | .00037 | .00083 | .00916 | .00032  | .01172  |
| %RSD   | 11.232 | 366.32 | .57149 | 127.31 | 2.6469 | 1.0832 | 258.26  | 264.00  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .00345 | .00037  | 270.63 | .00055 | .03092 | .85168 | -.00035 | -.01273 |
| #2 | .00404 | -.00016 | 272.83 | .00003 | .03210 | .83873 | .00010  | .00385  |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .39886 | .92496 | .00349 | -.00058 | .00431 | .0066  | .17313 | 4.6549 |
| Stddev | .01660 | .00257 | .00008 | .00074  | .00113 | .0003  | .00050 | .0438  |
| %RSD   | 4.1624 | .27800 | 2.3648 | 127.42  | 26.341 | 4.537  | .28913 | .94160 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | .41060 | .92314 | .00343 | -.00110 | .00511 | .0064 | .17278 | 4.6859 |
| #2 | .38712 | .92677 | .00354 | -.00006 | .00351 | .0068 | .17349 | 4.6239 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.4634 |
| Stddev | .2498  |
| %RSD   | 17.068 |

|    |        |
|----|--------|
| #1 | 1.2868 |
| #2 | 1.6401 |

Sample Name: J5194-06      Acquired: 10/3/2018 20:28:38      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-100218      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       | 2992.1 | 65241. | 5416.8 | 112.71 | 4014.2 |
| Stddev    | 5.6    | 166.   | 11.8   | 1.70   | 12.9   |
| %RSD      | .18750 | .25505 | .21785 | 1.5103 | .32081 |
| #1        | 2988.1 | 65359. | 5425.1 | 113.91 | 4005.1 |
| #2        | 2996.0 | 65124. | 5408.4 | 111.51 | 4023.3 |

Sample Name: J5198-02      Acquired: 10/3/2018 20:32:47      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-01-100218      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |         |
|--------|---------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00026 | -.00398 | .00745 | .00310 | -.00049 | .08511 | .12032 | -.00005 |
| Stddev | .00136  | .00182  | .00033 | .00202 | .00126  | .00443 | .00023 | .00010  |
| %RSD   | 523.27  | 45.755  | 4.4646 | 65.199 | 257.78  | 5.2085 | .18932 | 222.91  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00070  | -.00269 | .00768 | .00453 | -.00138 | .08197 | .12016 | .00003  |
| #2 | -.00122 | -.00527 | .00721 | .00167 | .00040  | .08824 | .12049 | -.00012 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00023 | 25.479 | .00132 | .00480 | .01350 | .10184 | .92869 | 2.8872 |
| Stddev | .00000 | .178   | .00022 | .00004 | .00047 | .01277 | .00440 | .0119  |
| %RSD   | 1.7971 | .69767 | 16.693 | .74646 | 3.4447 | 12.540 | .47362 | .41326 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00023 | 25.354 | .00116 | .00478 | .01383 | .09281 | .92558 | 2.8956 |
| #2 | .00023 | 25.605 | .00147 | .00483 | .01317 | .11087 | .93180 | 2.8787 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .09479 | -.00040 | 314.82 | .00008 | .04193 | .93897 | -.00025 | .00282 |
| Stddev | .00061 | .00001  | 7.85   | .00007 | .00040 | .00881 | .00021  | .00209 |
| %RSD   | .63828 | 2.2064  | 2.4928 | 86.403 | .95394 | .93826 | 85.744  | 74.113 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .09436 | -.00039 | 309.27 | .00012 | .04165 | .93274 | -.00040 | .00134 |
| #2 | .09522 | -.00040 | 320.37 | .00003 | .04222 | .94519 | -.00010 | .00430 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .60894 | 1.2679 | .00308 | .00037 | .00461 | .0061  | .10112 | 4.3862 |
| Stddev | .00076 | .0136  | .00075 | .00041 | .00227 | .0008  | .00010 | .0133  |
| %RSD   | .12399 | 1.0738 | 24.508 | 110.97 | 49.341 | 12.56  | .10211 | .30224 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .60948 | 1.2583 | .00361 | .00008 | .00621 | .0066 | .10105 | 4.3768 |
| #2 | .60841 | 1.2775 | .00254 | .00066 | .00300 | .0055 | .10119 | 4.3956 |

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.3715 |
| Stddev | .1292  |
| %RSD   | 5.4498 |

|    |        |
|----|--------|
| #1 | 2.2801 |
| #2 | 2.4628 |

Sample Name: J5198-02      Acquired: 10/3/2018 20:32:47      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CL-01-100218 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       | 3023.4 | 65760. | 5482.4 | 117.33 | 4058.6 |
| Stddev    | 15.1   | 47.    | 37.5   | .94    | 20.0   |
| %RSD      | .50060 | .07153 | .68411 | .80172 | .49306 |
| #1        | 3012.7 | 65793. | 5508.9 | 118.00 | 4044.5 |
| #2        | 3034.1 | 65727. | 5455.9 | 116.67 | 4072.8 |

Sample Name: CCV09      Acquired: 10/3/2018 20:36:55      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1962 | 5.3200 | 5.3211 | 5.3460 | 5.4486 | 10.825 | F 11.222 |
| Stddev | .0367  | .0477  | .0473  | .0255  | .0373  | .082   | .020     |
| %RSD   | .70572 | .89612 | .88895 | .47624 | .68464 | .76172 | .18098   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.2221 | 5.3537 | 5.3546 | 5.3641 | 5.4750 | 10.767 | 11.208 |
| #2 | 5.1703 | 5.2863 | 5.2877 | 5.3280 | 5.4222 | 10.884 | 11.237 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .26475 | 2.6530 | 27.230 | 1.0852 | 2.6864 | 1.3439 | 5.3507 |
| Stddev | .00094 | .0211  | .132   | .0027  | .0193  | .0115  | .0262  |
| %RSD   | .35570 | .79521 | .48492 | .25129 | .71971 | .85317 | .49055 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .26542 | 2.6680 | 27.136 | 1.0871 | 2.7001 | 1.3520 | 5.3693 |
| #2 | .26409 | 2.6381 | 27.323 | 1.0833 | 2.6727 | 1.3358 | 5.3322 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6902 | 26.384 | 2.6950 | 1.3524 | 27.212 | 2.6786 | 2.7153 |
| Stddev | .0040  | .031   | .0169  | .0005  | .075   | .0087  | .0210  |
| %RSD   | .14967 | .11752 | .62611 | .03594 | .27545 | .32357 | .77323 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6930 | 26.362 | 2.7069 | 1.3527 | 27.159 | 2.6847 | 2.7301 |
| #2 | 2.6874 | 26.406 | 2.6830 | 1.3520 | 27.265 | 2.6725 | 2.7004 |

|        |          |        |        |        |        |        |        |
|--------|----------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664   | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 27.712 | 5.4867 | 5.3597 | 5.3181 | 5.3787 | 5.3380 | 5.4466 |
| Stddev | .132     | .0392  | .0276  | .0405  | .0010  | .0330  | .0161  |
| %RSD   | .47565   | .71402 | .51543 | .76236 | .01958 | .61873 | .29569 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 27.619 | 5.5144 | 5.3402 | 5.3468 | 5.3795 | 5.3613 | 5.4352 |
| #2 | 27.805 | 5.4590 | 5.3793 | 5.2894 | 5.3780 | 5.3146 | 5.4580 |

|        |        |         |          |          |          |
|--------|--------|---------|----------|----------|----------|
| Elem   | Li6707 | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm    | ppm     | ppm      | ppm      | ppm      |
| Avg    | 4.7181 | F 5.516 | F 5.6053 | F 2.4341 | F 2.7827 |
| Stddev | .0069  | .062    | .0449    | .2983    | .1704    |
| %RSD   | .14574 | 1.119   | .80138   | 12.256   | 6.1219   |

|    |        |       |        |        |        |
|----|--------|-------|--------|--------|--------|
| #1 | 4.7133 | 5.560 | 5.6370 | 2.6451 | 2.9032 |
| #2 | 4.7230 | 5.472 | 5.5735 | 2.2232 | 2.6623 |



Sample Name: CCV09      Acquired: 10/3/2018 20:36:55      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      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       | 3089.6 | 68709. | 5574.9 | 116.04 | 4139.3 |
| Stddev    | 21.8   | 183.   | 4.8    | .90    | 32.0   |
| %RSD      | .70538 | .26648 | .08582 | .77359 | .77202 |
| #1        | 3074.2 | 68579. | 5578.3 | 115.41 | 4116.7 |
| #2        | 3105.0 | 68838. | 5571.5 | 116.68 | 4161.9 |

Sample Name: CCB09      Acquired: 10/3/2018 20:40:43      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB113473TB      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |        |        |         |
|--------|---------|---------|---------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00331 | -.00008 | -.00103 | -.00385 | .00123 | .01169 | -.00035 |
| Stddev | .00151  | .00096  | .00125  | .00116  | .00105 | .00937 | .00082  |
| %RSD   | 45.655  | 1153.0  | 120.54  | 30.079  | 85.542 | 80.143 | 231.39  |

|    |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|--------|--------|---------|
| #1 | -.00438 | -.00076 | -.00191 | -.00467 | .00197 | .00507 | .00022  |
| #2 | -.00224 | .00060  | -.00015 | -.00303 | .00048 | .01832 | -.00093 |

|        |         |        |        |         |        |         |        |
|--------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00004 | .00006 | .02636 | -.00032 | .00005 | -.00049 | .00926 |
| Stddev | .00008  | .00001 | .00880 | .00021  | .00008 | .00030  | .00996 |
| %RSD   | 184.26  | 16.839 | 33.377 | 67.812  | 146.05 | 60.214  | 107.62 |

|    |         |        |        |         |         |         |        |
|----|---------|--------|--------|---------|---------|---------|--------|
| #1 | -.00010 | .00006 | .02014 | -.00016 | -.00000 | -.00070 | .00221 |
| #2 | .00001  | .00007 | .03258 | -.00047 | .00011  | -.00028 | .01630 |

|        |         |        |        |         |        |        |         |
|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00014 | .00310 | .00030 | -.00023 | .11574 | .00040 | -.00060 |
| Stddev | .00014  | .00040 | .00017 | .00015  | .00658 | .00032 | .00007  |
| %RSD   | 103.75  | 12.774 | 58.680 | 67.990  | 5.6842 | 79.450 | 11.147  |

|    |         |        |        |         |        |        |         |
|----|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00004 | .00282 | .00042 | -.00012 | .12039 | .00062 | -.00065 |
| #2 | -.00024 | .00338 | .00017 | -.00034 | .11109 | .00017 | -.00055 |

|        |        |        |         |          |         |        |        |
|--------|--------|--------|---------|----------|---------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881  | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm     | ppm    | ppm    |
| Avg    | .03247 | .00075 | -.00104 | F .03576 | -.00057 | .00059 | .00014 |
| Stddev | .07096 | .00006 | .00568  | .00188   | .00158  | .00038 | .00009 |
| %RSD   | 218.52 | 8.0513 | 546.53  | 5.2569   | 277.75  | 64.197 | 61.020 |

|    |         |        |         |        |         |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|
| #1 | .08265  | .00070 | -.00505 | .03709 | -.00168 | .00032 | .00008 |
| #2 | -.01770 | .00079 | .00298  | .03443 | .00055  | .00086 | .00021 |

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .00285 | -.0014 | .00007 | F<.00000 | F<.00000 |
| Stddev | .00082 | .0004  | .00001 | .18407   | .58088   |
| %RSD   | 28.758 | 28.57  | 7.8619 | 7.4531   | 103.31   |

|    |        |        |        |         |         |
|----|--------|--------|--------|---------|---------|
| #1 | .00343 | -.0012 | .00006 | -2.3396 | -.97300 |
| #2 | .00227 | -.0017 | .00007 | -2.5999 | -.15151 |

Sample Name: CCB09      Acquired: 10/3/2018 20:40:43      Type: Unk  
Method: P4-ICP2(v2474)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB113473TB      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       | 3252.0 | 73020. | 5667.9 | 120.59 | 4634.9 |
| Stddev    | 14.1   | 134.   | 9.8    | .24    | 29.4   |
| %RSD      | .43437 | .18414 | .17279 | .19857 | .63483 |
| #1        | 3262.0 | 72925. | 5660.9 | 120.42 | 4655.7 |
| #2        | 3242.0 | 73115. | 5674.8 | 120.76 | 4614.1 |