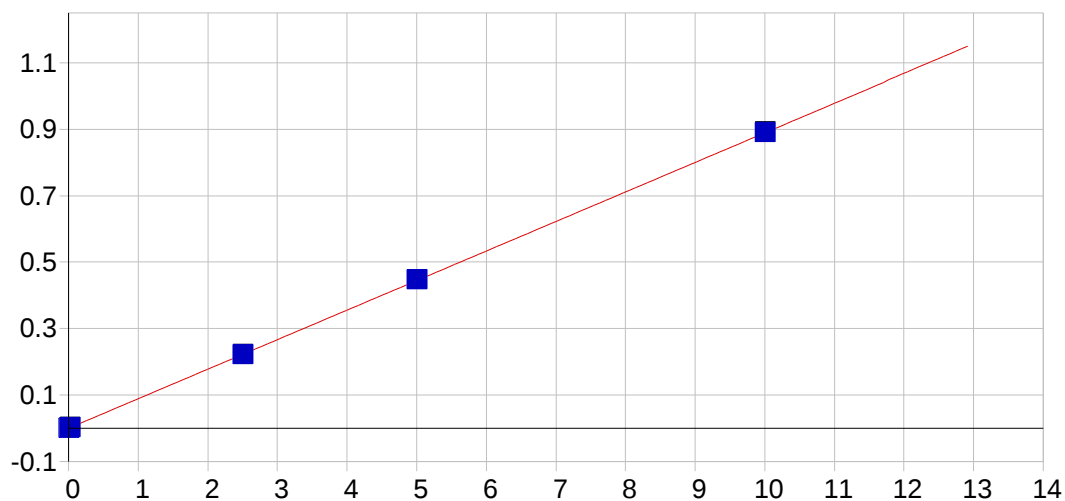


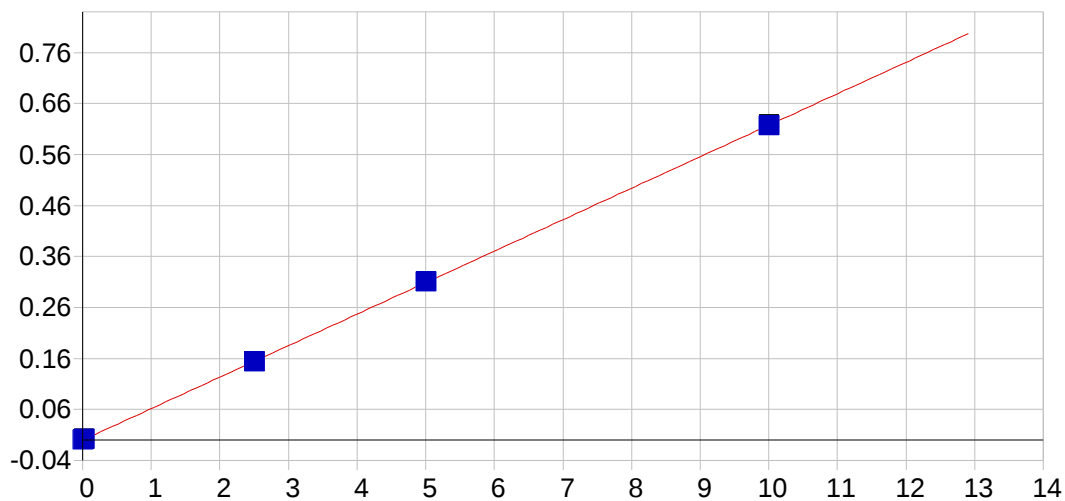


As 189.042 {478}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000103 Re-Slope: 1.000000  
 A1 (Gain): 0.088987 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999997 Status: OK.  
 Std Error of Est: 0.000005  
 Predicted MDL: 0.002758  
 Predicted MQL: 0.009192

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00010 | .000    | 1        |
| S1        | .02000       | .01907      | -.001      | -4.65   | .00159  | .000    | 1        |
| S3        | 2.5000       | 2.4931      | -.007      | -.275   | .22174  | .000    | 1        |
| S4        | 5.0000       | 5.0149      | .015       | .298    | .44613  | .001    | 1        |
| S5        | 10.000       | 9.9929      | -.007      | -.071   | .88908  | .002    | 1        |



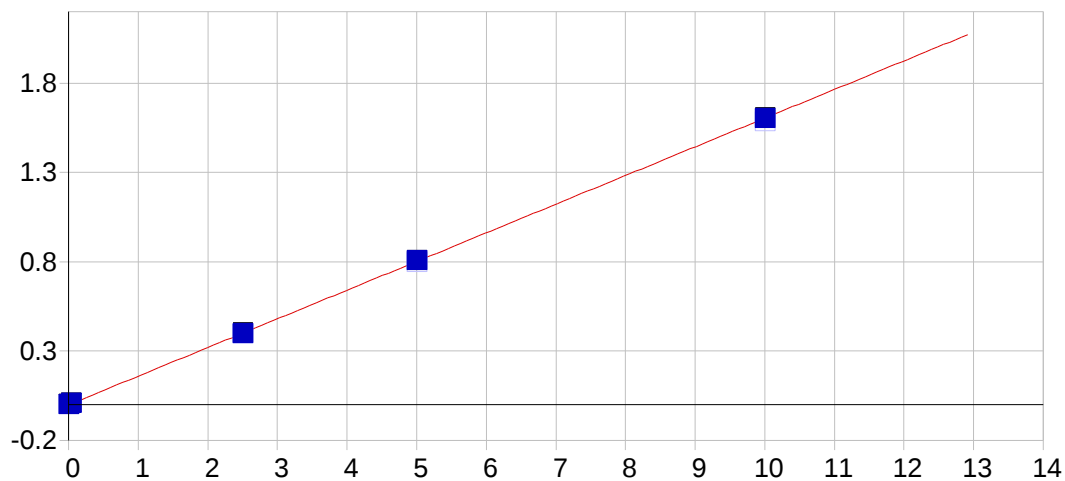
As 189.042 {479}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000011 Re-Slope: 1.000000

A1 (Gain): 0.061758 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999995 Status: OK.  
 Std Error of Est: 0.000005  
 Predicted MDL: 0.002576  
 Predicted MQL: 0.008588

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00001 | .000    | 1        |
| S1        | .02000       | .01917      | -.001      | -4.14   | .00117  | .000    | 1        |
| S3        | 2.5000       | 2.4905      | -.009      | -.378   | .15380  | .000    | 1        |
| S4        | 5.0000       | 5.0228      | .023       | .455    | .31019  | .000    | 1        |
| S5        | 10.000       | 9.9875      | -.012      | -.125   | .61680  | .002    | 1        |

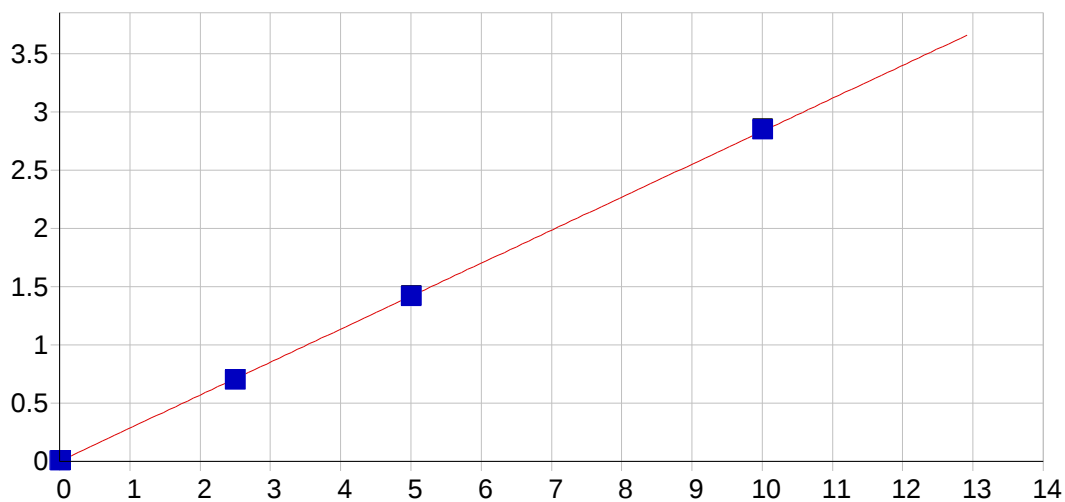


TI 190.856 {477}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000577 Re-Slope: 1.000000  
 A1 (Gain): 0.160463 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999980 Status: OK.  
 Std Error of Est: 0.000034  
 Predicted MDL: 0.001285  
 Predicted MQL: 0.004283

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00058 | .000    | 1        |
| S1        | .04000       | .04451      | .005       | 11.3    | .00640  | .000    | 1        |
| S3        | 2.5000       | 2.4902      | -.010      | -.391   | .39490  | .001    | 1        |
| S4        | 5.0000       | 5.0229      | .023       | .458    | .79719  | .001    | 1        |
| S5        | 10.000       | 9.9824      | -.018      | -.176   | 1.5848  | .005    | 1        |

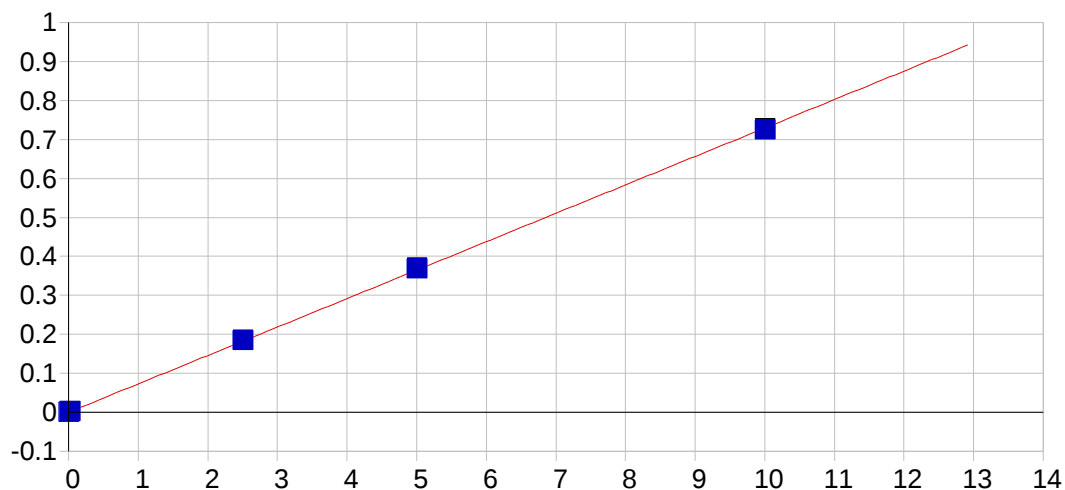


Pb 220.353 {453}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002919 Re-Slope: 1.000000  
 A1 (Gain): 0.282958 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999967 Status: OK.  
 Std Error of Est: 0.000043  
 Predicted MDL: 0.001116  
 Predicted MQL: 0.003722

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00292 | .000    | 1        |
| S1        | .01200       | .01248      | .000       | 4.00    | .00639 | .000    | 1        |
| S3        | 2.5000       | 2.4540      | -.046      | -1.84   | .69633 | .001    | 1        |
| S4        | 5.0000       | 4.9940      | -.006      | -.121   | 1.4141 | .001    | 1        |
| S5        | 10.000       | 10.052      | .052       | .515    | 2.8432 | .005    | 1        |



Se 196.090 {472}

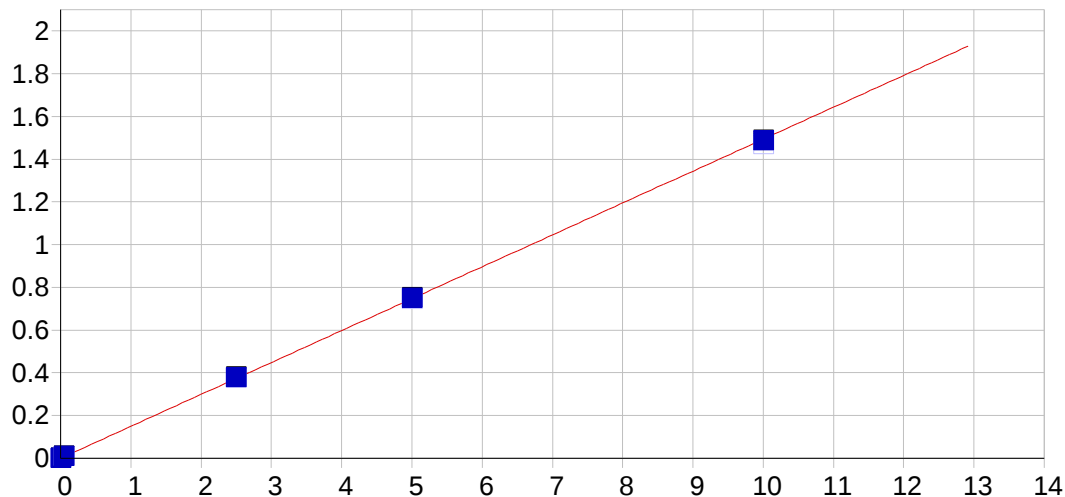
Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000111 Re-Slope: 1.000000  
 A1 (Gain): 0.072960 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999950  
 Std Error of Est: 0.000018  
 Predicted MDL: 0.003072  
 Predicted MQL: 0.010240

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00011 | .000    | 1        |
| S1        | .02000       | .01672      | -.003      | -16.4   | .00111  | .000    | 1        |
| S3        | 2.5000       | 2.5277      | .028       | 1.11    | .18429  | .000    | 1        |
| S4        | 5.0000       | 5.0456      | .046       | .913    | .36797  | .001    | 1        |
| S5        | 10.000       | 9.9300      | -.070      | -.700   | .72429  | .002    | 1        |



Sb 206.833 {463}

Date of Fit: 12/11/2018 15:55:54

Type of Fit: Linear

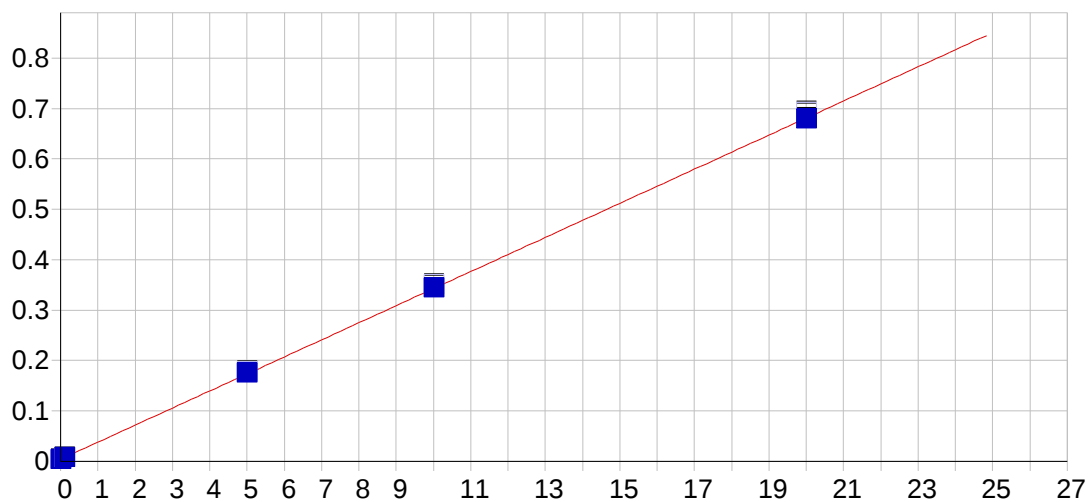
Weighting: 1/Conc

A0 (Offset): 0.000404  
 A1 (Gain): 0.149339  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999938  
 Std Error of Est: 0.000063  
 Predicted MDL: 0.001828  
 Predicted MQL: 0.006095

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00040 | .000    | 1        |
| S1        | .05000       | .05773      | .008       | 15.5    | .00884 | .000    | 1        |
| S3        | 2.5000       | 2.5335      | .034       | 1.34    | .37456 | .001    | 1        |
| S4        | 5.0000       | 5.0218      | .022       | .437    | .74197 | .000    | 1        |
| S5        | 10.000       | 9.9370      | -.063      | -.630   | 1.4676 | .006    | 1        |

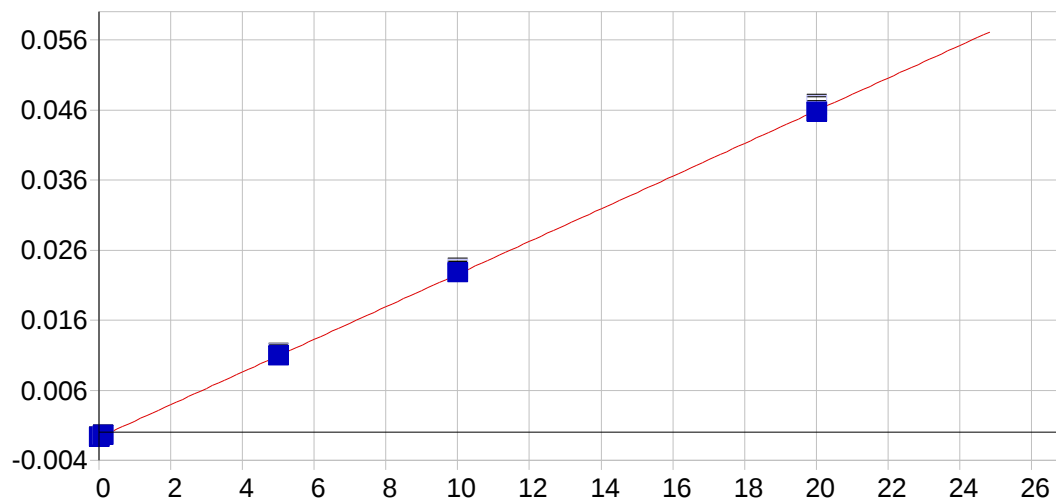


AI 308.215 {109}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004199 Re-Slope: 1.000000  
 A1 (Gain): 0.033849 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999983 Status: OK.  
 Std Error of Est: 0.000015  
 Predicted MDL: 0.003441  
 Predicted MQL: 0.011470

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00420 | .000    | 1        |
| S1        | .10000       | .10842      | .008       | 8.42    | .00810 | .000    | 1        |
| S3        | 5.0000       | 5.0342      | .034       | .684    | .17797 | .001    | 1        |
| S4        | 10.000       | 10.024      | .024       | .238    | .35024 | .001    | 1        |
| S5        | 20.000       | 19.933      | -.067      | -.334   | .69240 | .002    | 1        |



AI 309.271 {109}

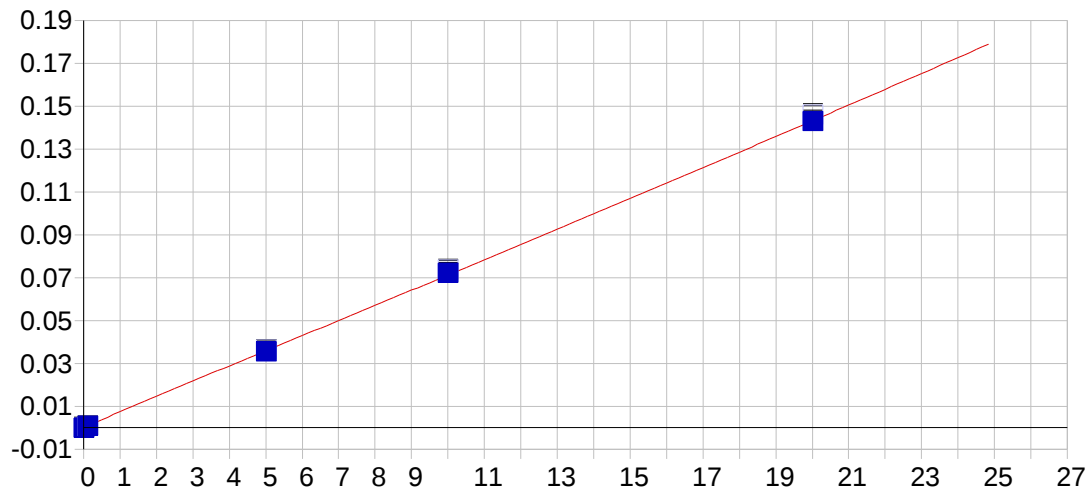
Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000722 Re-Slope: 1.000000  
 A1 (Gain): 0.002331 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999982  
 Std Error of Est: 0.000001  
 Predicted MDL: 0.034104  
 Predicted MQL: 0.113678

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00072 | .000    | 1        |
| S1        | .10000       | .10816      | .008       | 8.16    | -.00045 | .000    | 1        |
| S3        | 5.0000       | 4.9985      | -.002      | -.030   | .01116  | .000    | 1        |
| S4        | 10.000       | 10.063      | .063       | .634    | .02320  | .000    | 1        |
| S5        | 20.000       | 19.930      | -.070      | -.352   | .04666  | .000    | 1        |



AI 396.152 { 85}

Date of Fit: 12/11/2018 15:55:54

Type of Fit: Full Fit

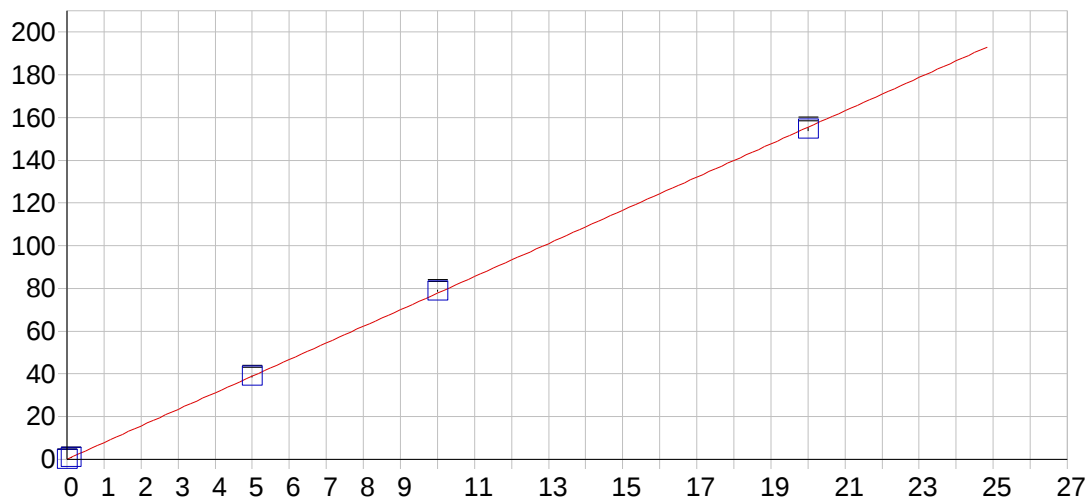
Weighting: 1/Conc

A0 (Offset): -0.000080  
 A1 (Gain): 0.007555  
 A2 (Curvature): 0.000029  
 n (Exponent): 0.960000  
 Correlation: 0.999969  
 Std Error of Est: 0.000008  
 Predicted MDL: 0.015171  
 Predicted MQL: 0.050569

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: Warning Positive Curvature

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00008 | .000    | 1        |
| S1        | .10000       | .10397      | .004       | 3.97    | .00083  | .000    | 1        |
| S3        | 5.0000       | 4.9274      | -.073      | -1.45   | .03623  | .000    | 1        |
| S4        | 10.000       | 10.101      | .101       | 1.01    | .07349  | .000    | 1        |
| S5        | 20.000       | 19.968      | -.032      | -.161   | .14597  | .000    | 1        |

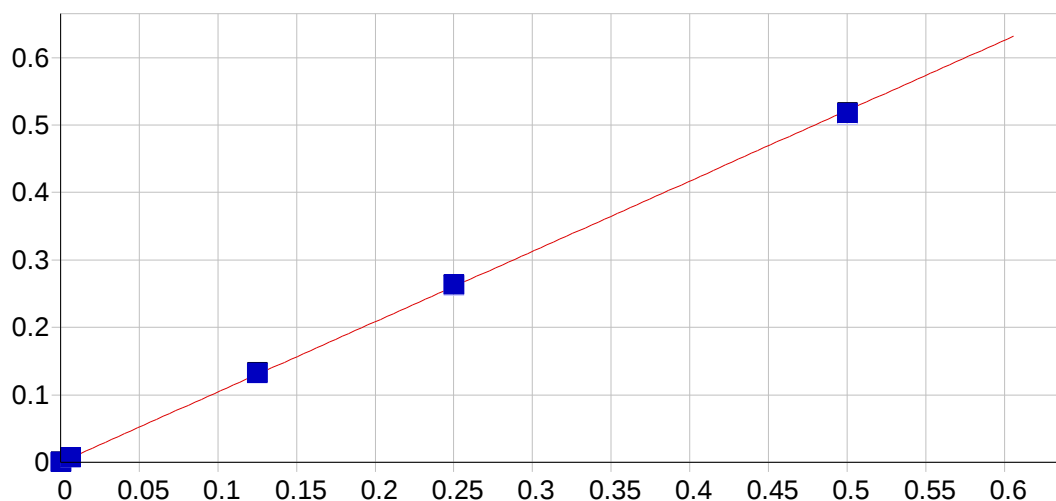


Ba 493.409 { 68}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.136066 Re-Slope: 1.000000  
 A1 (Gain): 7.765478 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999951 Status: OK.  
 Std Error of Est: 0.005854  
 Predicted MDL: 0.000735  
 Predicted MQL: 0.002452

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .13601 | .001    | 1        |
| S1        | .10000       | .10657      | .007       | 6.57    | .96361 | .003    | 1        |
| S3        | 5.0000       | 4.9789      | -.021      | -.421   | 38.800 | .440    | 1        |
| S5        | 20.000       | 19.871      | -.129      | -.645   | 154.44 | .901    | 1        |
| S4        | 10.000       | 10.144      | .144       | 1.44    | 78.906 | .373    | 1        |



Be 234.861 {144}

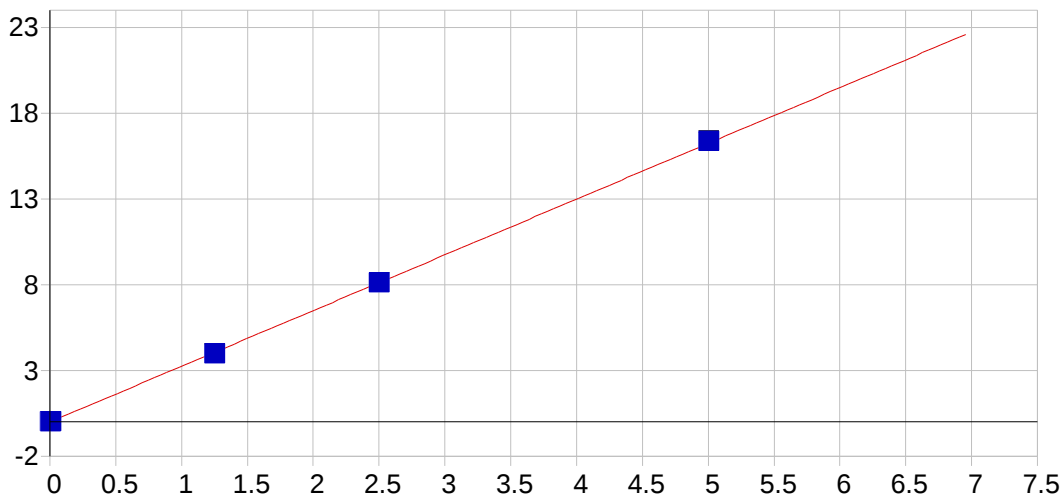
Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000090 Re-Slope: 1.000000  
 A1 (Gain): 1.042247 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999950  
 Std Error of Est: 0.000031  
 Predicted MDL: 0.000071  
 Predicted MQL: 0.000237

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00009 | .000    | 1        |
| S1        | .00600       | .00636      | .000       | 6.00    | .00665 | .000    | 1        |
| S3        | .12500       | .12654      | .002       | 1.23    | .13116 | .001    | 1        |
| S4        | .25000       | .25197      | .002       | .787    | .26106 | .001    | 1        |
| S5        | .50000       | .49613      | -.004      | -.774   | .51390 | .001    | 1        |



Cd 226.502 {449}

Date of Fit: 12/11/2018 15:55:54

Type of Fit: Linear

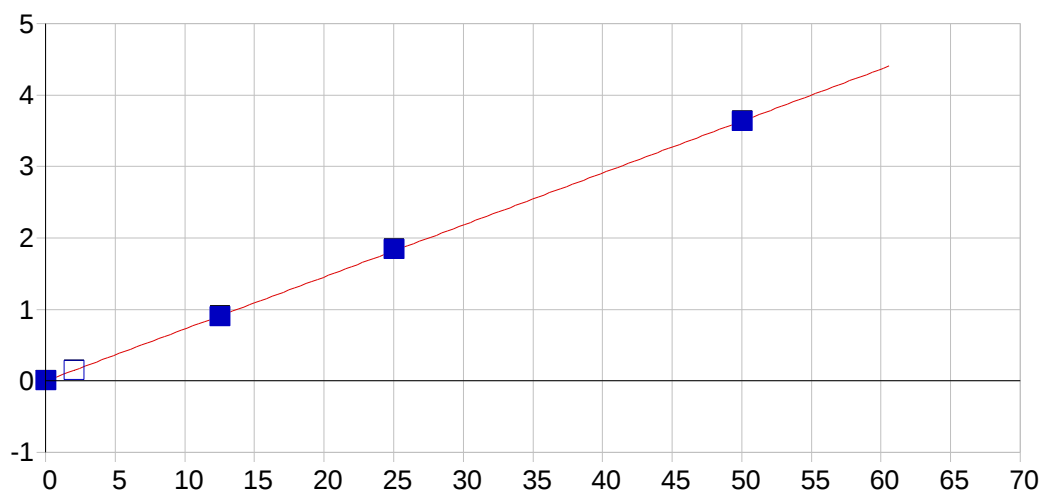
Weighting: 1/Conc

A0 (Offset): -0.000707  
 A1 (Gain): 3.247610  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999949  
 Std Error of Est: 0.000306  
 Predicted MDL: 0.000102  
 Predicted MQL: 0.000341

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00071 | .000    | 1        |
| S1        | .00600       | .00600      | -.000      | -.039   | .01881  | .000    | 1        |
| S3        | 1.2500       | 1.2209      | -.029      | -2.32   | 3.9654  | .006    | 1        |
| S4        | 2.5000       | 2.4968      | -.003      | -.128   | 8.1098  | .006    | 1        |
| S5        | 5.0000       | 5.0323      | .032       | .645    | 16.346  | .050    | 1        |

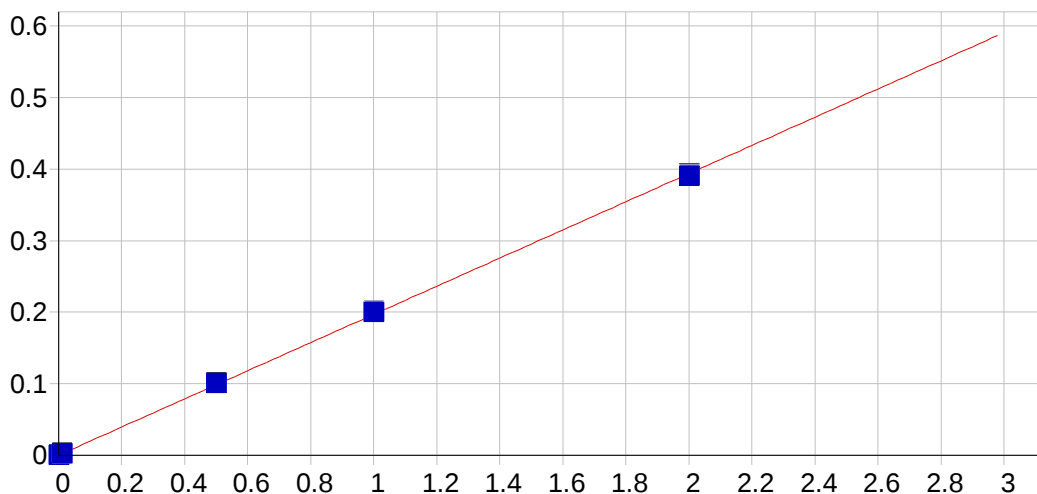


Ca 373.690 { 90}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000146 Re-Slope: 1.000000  
 A1 (Gain): 0.072706 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999968 Status: OK.  
 Std Error of Est: 0.000319  
 Predicted MDL: 0.019646  
 Predicted MQL: 0.065486

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.0015      | .001       | .074    | .14567 | .001    | 1        |
| S0        | .00000       | .00001      | .000       | .000    | .00015 | .001    | 1        |
| S3        | 12.500       | 12.338      | -.162      | -1.30   | .89765 | .006    | 1        |
| S4        | 25.000       | 25.289      | .289       | 1.16    | 1.8398 | .004    | 1        |
| S5        | 50.000       | 49.872      | -.128      | -.256   | 3.6281 | .008    | 1        |



Cr 267.716 {126}

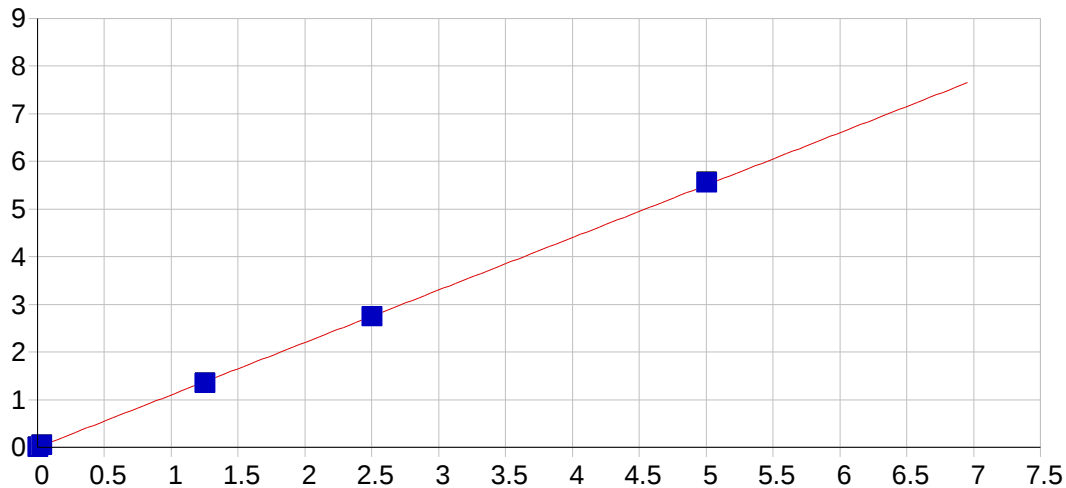
Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000100 Re-Slope: 1.000000  
 A1 (Gain): 0.196892 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999928  
 Std Error of Est: 0.000018  
 Predicted MDL: 0.000487  
 Predicted MQL: 0.001625

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00010 | .000    | 1        |
| S1        | .01000       | .01077      | .001       | 7.67    | .00223 | .000    | 1        |
| S3        | .50000       | .50679      | .007       | 1.36    | .10062 | .000    | 1        |
| S4        | 1.0000       | 1.0126      | .013       | 1.26    | .20094 | .000    | 1        |
| S5        | 2.0000       | 1.9799      | -.020      | -1.01   | .39286 | .001    | 1        |



Co 228.616 {447}

Date of Fit: 12/11/2018 15:55:54

Type of Fit: Linear

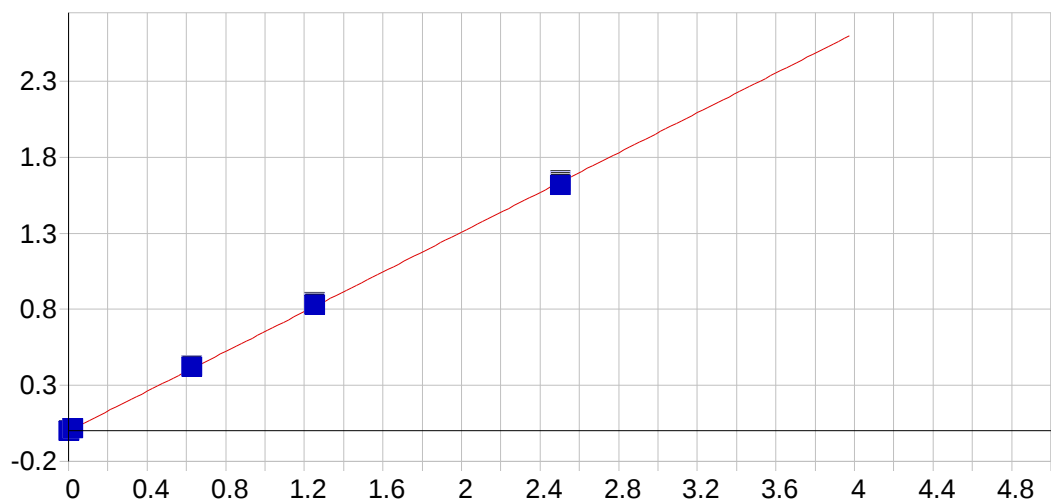
Weighting: 1/Conc

A0 (Offset): 0.000080  
 A1 (Gain): 1.100486  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999915  
 Std Error of Est: 0.000300  
 Predicted MDL: 0.000274  
 Predicted MQL: 0.000913

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00008 | .000    | 1        |
| S1        | .03000       | .03386      | .004       | 12.9    | .03712 | .000    | 1        |
| S3        | 1.2500       | 1.2203      | -.030      | -2.37   | 1.3441 | .000    | 1        |
| S4        | 2.5000       | 2.4903      | -.010      | -.389   | 2.7428 | .000    | 1        |
| S5        | 5.0000       | 5.0356      | .036       | .711    | 5.5460 | .015    | 1        |

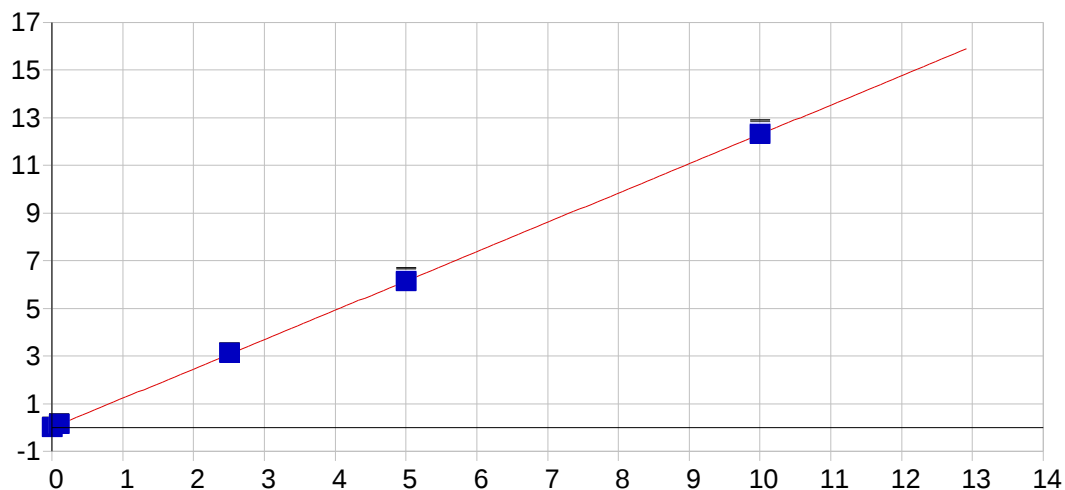


Cu 224.700 {450}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000373 Re-Slope: 1.000000  
 A1 (Gain): 0.653763 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999853 Status: OK.  
 Std Error of Est: 0.000138  
 Predicted MDL: 0.000555  
 Predicted MQL: 0.001849

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00037 | .000    | 1        |
| S1        | .02000       | .02226      | .002       | 11.3    | .01438  | .000    | 1        |
| S3        | .62500       | .64113      | .016       | 2.58    | .42538  | .001    | 1        |
| S4        | 1.2500       | 1.2657      | .016       | 1.26    | .84031  | .003    | 1        |
| S5        | 2.5000       | 2.4659      | -.034      | -1.36   | 1.6382  | .006    | 1        |



Fe 240.488 {140}

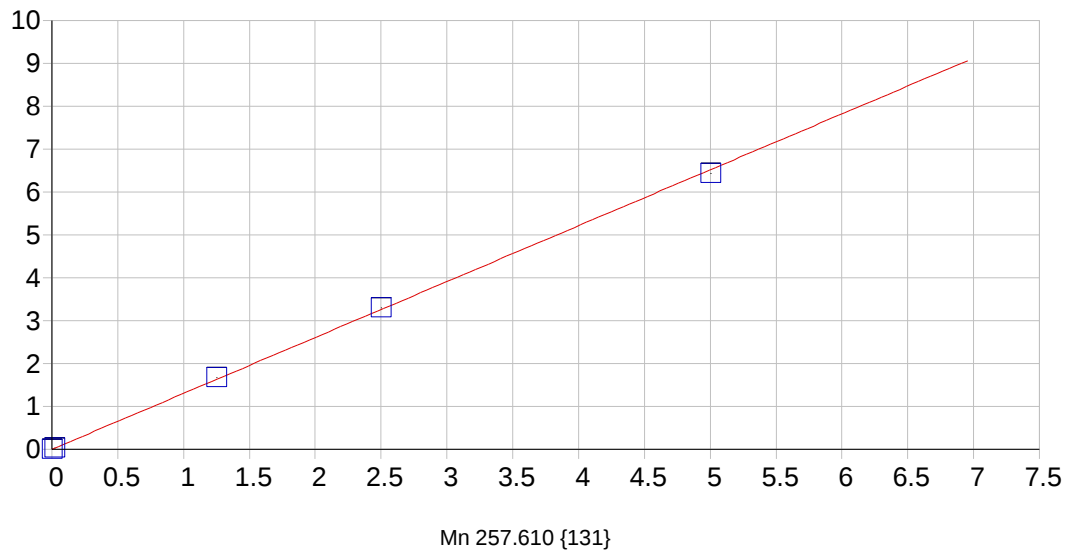
Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.008530 Re-Slope: 1.000000  
 A1 (Gain): 1.231293 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999929  
 Std Error of Est: 0.000800  
 Predicted MDL: 0.009758  
 Predicted MQL: 0.032526

Status: OK.

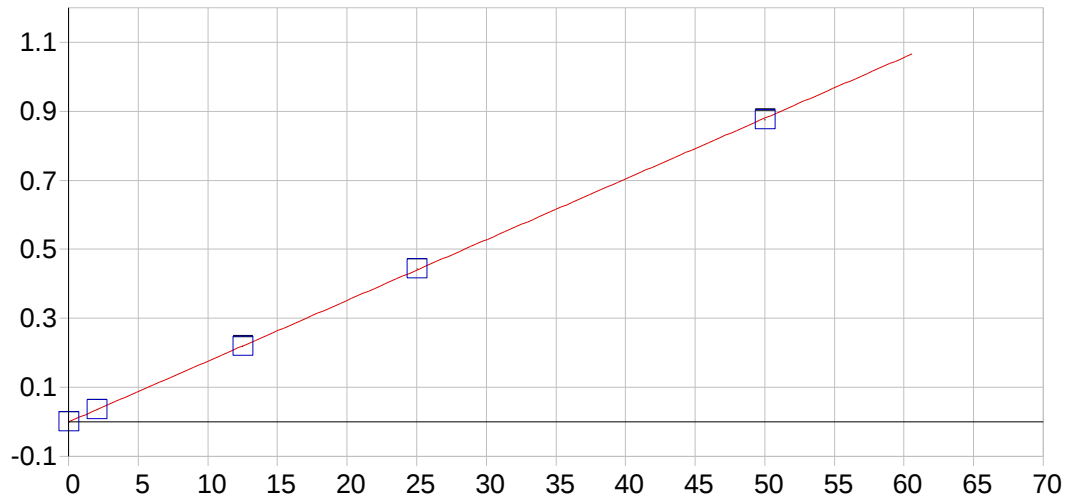
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00855 | .007    | 1        |
| S1        | .10000       | .11395      | .014       | 13.9    | .13237  | .019    | 1        |
| S3        | 2.5000       | 2.5303      | .030       | 1.21    | 3.1225  | .013    | 1        |
| S4        | 5.0000       | 4.9681      | -.032      | -.638   | 6.1396  | .131    | 1        |
| S5        | 10.000       | 9.9877      | -.012      | -.123   | 12.351  | .147    | 1        |



Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000209 Re-Slope: 1.000000  
 A1 (Gain): 1.303591 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999847 Status: OK.  
 Std Error of Est: 0.000390  
 Predicted MDL: 0.000071  
 Predicted MQL: 0.000237

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00020 | .000    | 1        |
| S1        | .02000       | .02326      | .003       | 16.3    | .03053 | .000    | 1        |
| S3        | 1.2500       | 1.2812      | .031       | 2.50    | 1.6704 | .002    | 1        |
| S4        | 2.5000       | 2.5336      | .034       | 1.34    | 3.3030 | .002    | 1        |
| S5        | 5.0000       | 4.9319      | -.068      | -1.36   | 6.4294 | .001    | 1        |

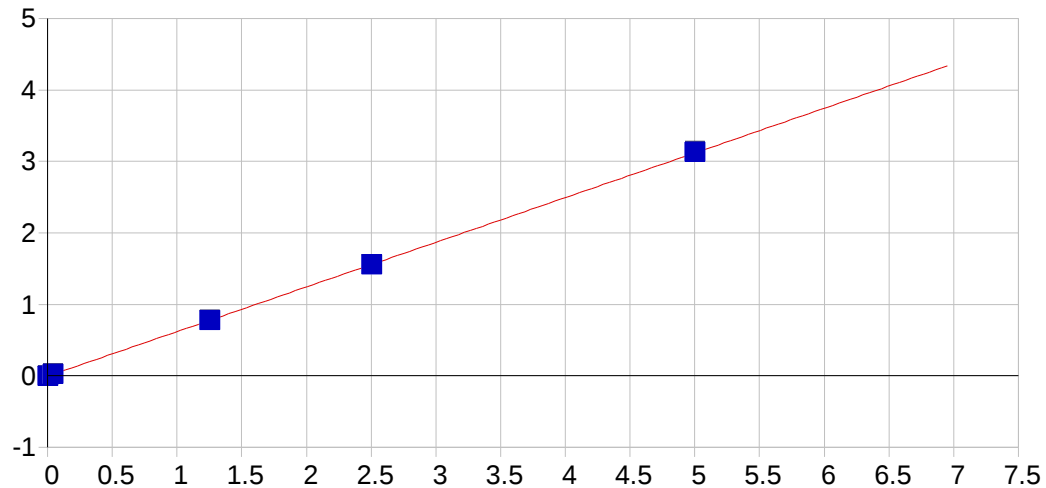


Mg 279.079 {121}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000245 Re-Slope: 1.000000  
 A1 (Gain): 0.017603 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999968 Status: OK.  
 Std Error of Est: 0.000077  
 Predicted MDL: 0.041903  
 Predicted MQL: 0.139676

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.0713      | .071       | 3.56    | .03622  | .000    | 1        |
| S0        | .00000       | -.00007     | -.000      | .000    | -.00025 | .000    | 1        |
| S3        | 12.500       | 12.457      | -.043      | -.345   | .21904  | .002    | 1        |
| S4        | 25.000       | 25.216      | .216       | .863    | .44363  | .000    | 1        |
| S5        | 50.000       | 49.756      | -.244      | -.488   | .87562  | .003    | 1        |



Ni 231.604 {445}

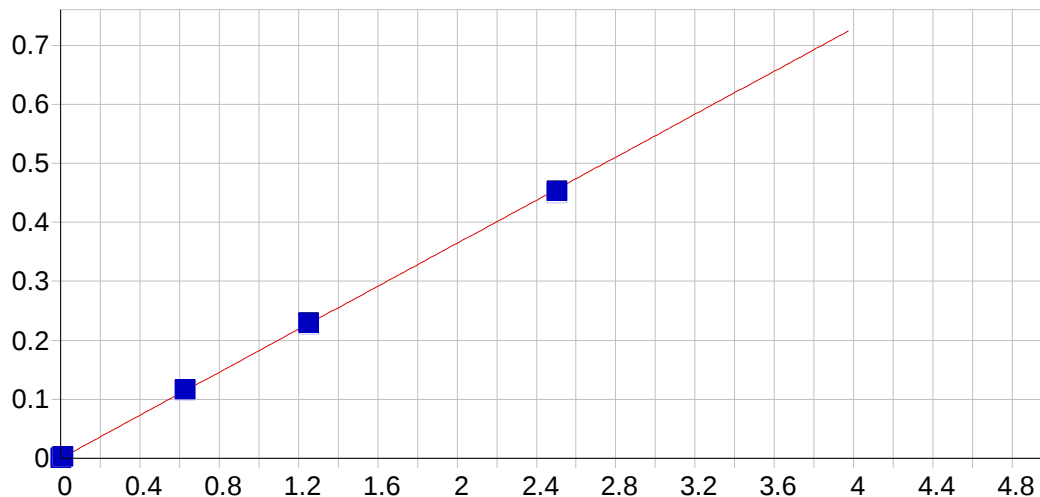
Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.005964 Re-Slope: 1.000000  
 A1 (Gain): 0.624896 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999960  
 Std Error of Est: 0.000135  
 Predicted MDL: 0.000507  
 Predicted MQL: 0.001690

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00597 | .000    | 1        |
| S1        | .04000       | .04489      | .005       | 12.2    | .02210  | .000    | 1        |
| S3        | 1.2500       | 1.2401      | -.010      | -.791   | .76983  | .000    | 1        |
| S4        | 2.5000       | 2.4957      | -.004      | -.173   | 1.5553  | .000    | 1        |
| S5        | 5.0000       | 5.0093      | .009       | .186    | 3.1277  | .009    | 1        |

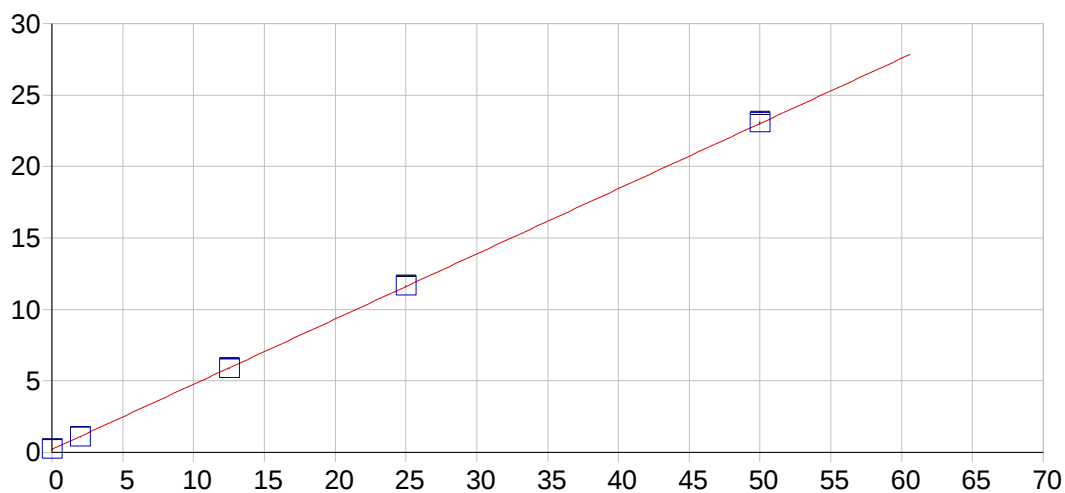


Ag 328.068 {103}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000015 Re-Slope: 1.000000  
 A1 (Gain): 0.182283 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999931 Status: OK.  
 Std Error of Est: 0.000018  
 Predicted MDL: 0.000743  
 Predicted MQL: 0.002475

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00001 | .000    | 1        |
| S1        | .01000       | .01179      | .002       | 17.9    | .00213 | .000    | 1        |
| S3        | .62500       | .63459      | .010       | 1.53    | .11440 | .000    | 1        |
| S4        | 1.2500       | 1.2550      | .005       | .399    | .22619 | .000    | 1        |
| S5        | 2.5000       | 2.4837      | -.016      | -.654   | .44757 | .000    | 1        |

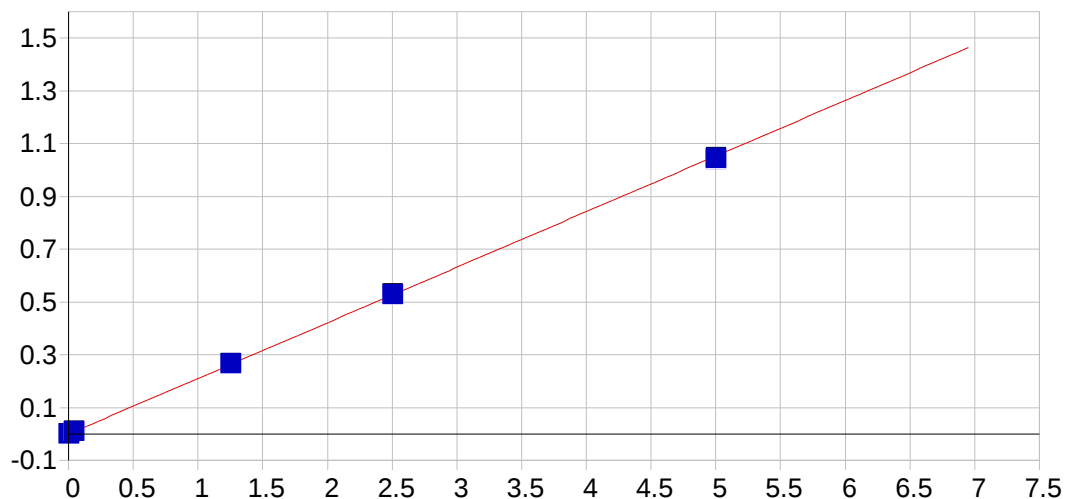


Na 589.592 { 57}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.201975 Re-Slope: 1.000000  
 A1 (Gain): 0.456149 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999974 Status: OK.  
 Std Error of Est: 0.001791  
 Predicted MDL: 0.010645  
 Predicted MQL: 0.035484

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 1.9148      | -.085      | -4.26   | 1.0754 | .004    | 1        |
| S0        | .00000       | .00009      | .000       | .000    | .20202 | .008    | 1        |
| S3        | 12.500       | 12.416      | -.084      | -.670   | 5.8656 | .067    | 1        |
| S4        | 25.000       | 25.086      | .086       | .343    | 11.645 | .046    | 1        |
| S5        | 50.000       | 50.083      | .083       | .166    | 23.047 | .119    | 1        |



V 292.402 {115}

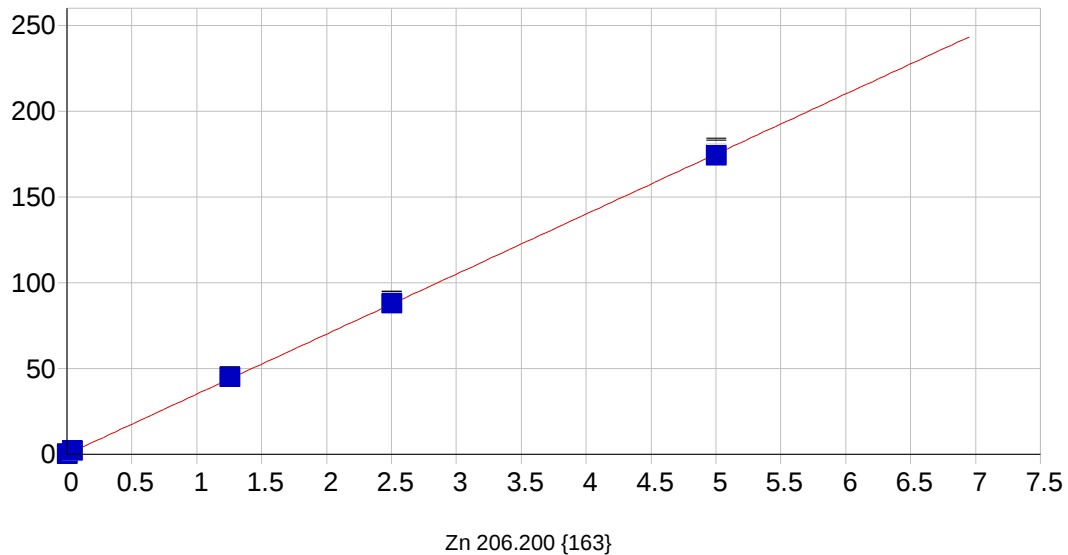
Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000176 Re-Slope: 1.000000  
 A1 (Gain): 0.210586 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999902  
 Std Error of Est: 0.000071  
 Predicted MDL: 0.000573  
 Predicted MQL: 0.001909

Status: OK.

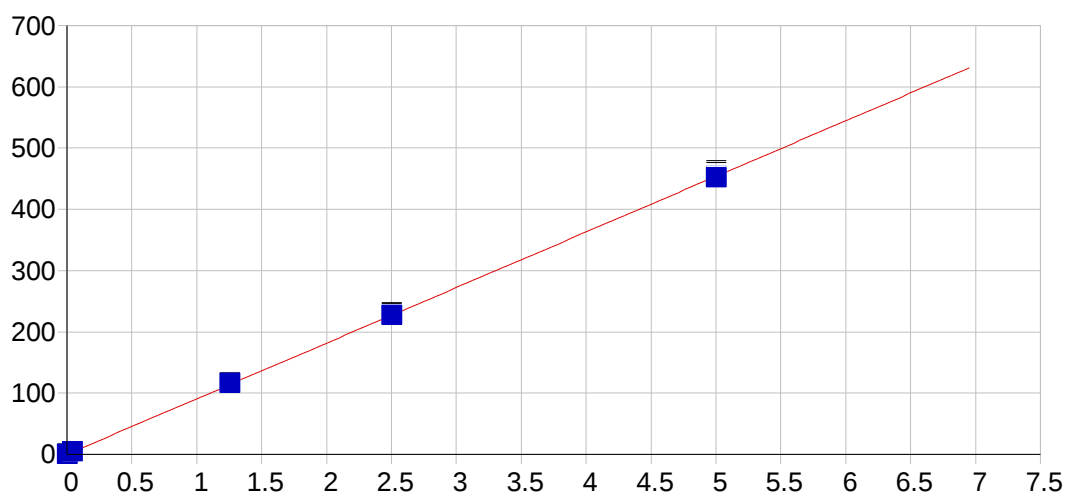
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00018 | .000    | 1        |
| S1        | .04000       | .04679      | .007       | 17.0    | .00955  | .000    | 1        |
| S3        | 1.2500       | 1.2666      | .017       | 1.33    | .26483  | .000    | 1        |
| S4        | 2.5000       | 2.5130      | .013       | .518    | .52558  | .001    | 1        |
| S5        | 5.0000       | 4.9637      | -.036      | -.725   | 1.0382  | .001    | 1        |



Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.074946 Re-Slope: 1.000000  
 A1 (Gain): 34.990455 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999908 Status: OK.  
 Std Error of Est: 0.011532  
 Predicted MDL: 0.000473  
 Predicted MQL: 0.001578

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .07471 | .003    | 1        |
| S1        | .04000       | .04620      | .006       | 15.5    | 1.7006 | .025    | 1        |
| S3        | 1.2500       | 1.2744      | .024       | 1.95    | 44.932 | .176    | 1        |
| S4        | 2.5000       | 2.5004      | .000       | .015    | 88.093 | 1.05    | 1        |
| S5        | 5.0000       | 4.9690      | -.031      | -.620   | 175.00 | 3.38    | 1        |

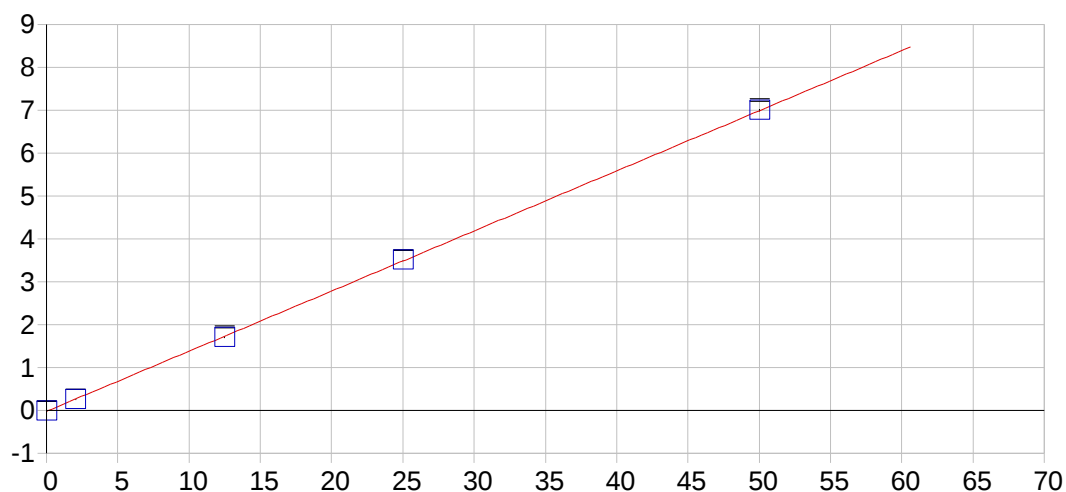


Zn 213.856 {458}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.095755 Re-Slope: 1.000000  
 A1 (Gain): 90.747350 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999930 Status: OK.  
 Std Error of Est: 0.026166  
 Predicted MDL: 0.000093  
 Predicted MQL: 0.000309

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .09525 | .012    | 1        |
| S1        | .04000       | .04511      | .005       | 12.8    | 4.2127 | .056    | 1        |
| S3        | 1.2500       | 1.2739      | .024       | 1.91    | 116.39 | .218    | 1        |
| S4        | 2.5000       | 2.4969      | -.003      | -.124   | 228.05 | 3.17    | 1        |
| S5        | 5.0000       | 4.9741      | -.026      | -.518   | 454.22 | 8.18    | 1        |



K 766.490 {44}

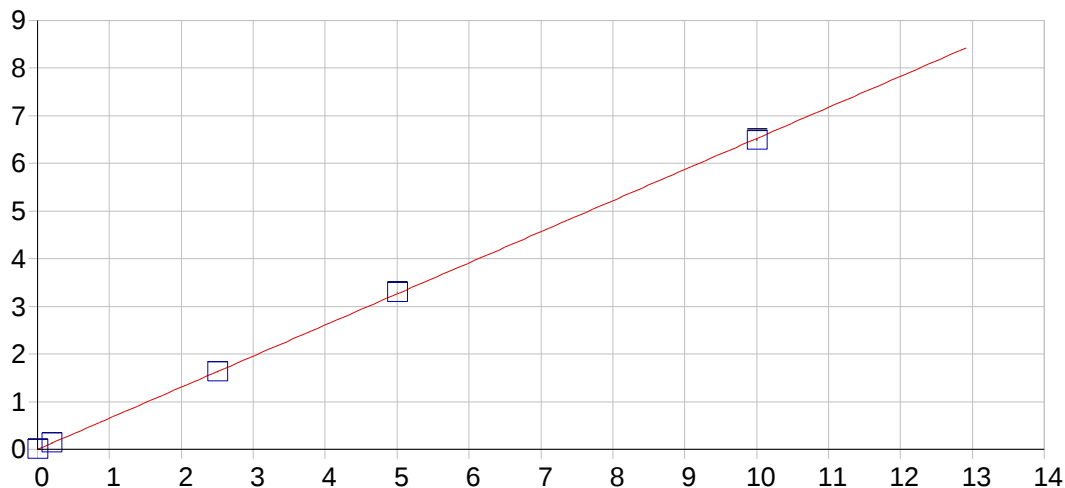
Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.020211 Re-Slope: 1.000000  
 A1 (Gain): 0.140165 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999979  
 Std Error of Est: 0.000496  
 Predicted MDL: 0.037496  
 Predicted MQL: 0.124985

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 1.9666      | -.033      | -1.67   | .25544  | .002    | 1        |
| S0        | .00000       | .00005      | .000       | .000    | -.02020 | .003    | 1        |
| S3        | 12.500       | 12.328      | -.172      | -1.38   | 1.7077  | .018    | 1        |
| S4        | 25.000       | 25.136      | .136       | .544    | 3.5030  | .010    | 1        |
| S5        | 50.000       | 50.069      | .069       | .139    | 6.9978  | .033    | 1        |



Mo 202.030 {467}

Date of Fit: 12/11/2018 15:55:54

Type of Fit: Linear

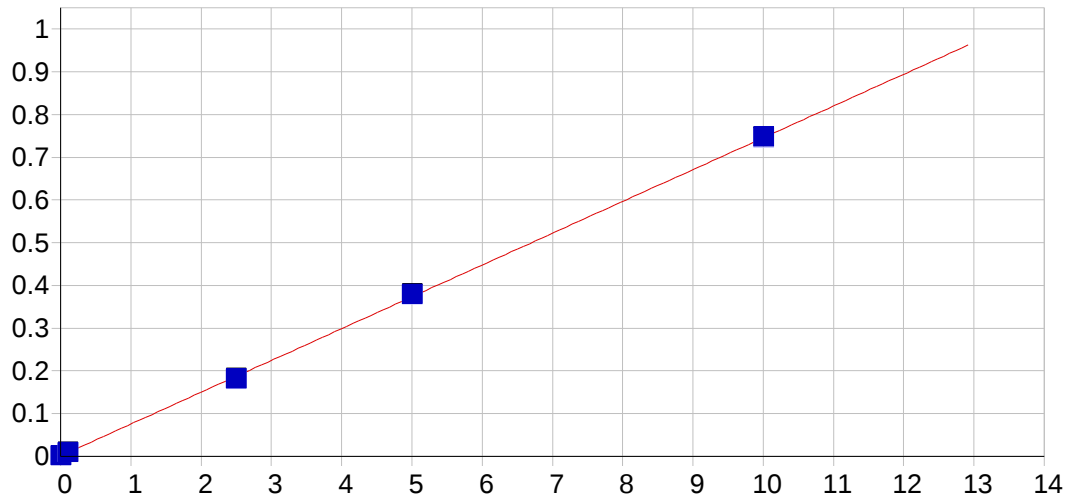
Weighting: 1/Conc

A0 (Offset): 0.000201  
 A1 (Gain): 0.652380  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999969  
 Std Error of Est: 0.000392  
 Predicted MDL: 0.000337  
 Predicted MQL: 0.001123

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00020 | .000    | 1        |
| S1        | .20000       | .20646      | .006       | 3.23    | .13489 | .001    | 1        |
| S3        | 2.5000       | 2.4886      | -.011      | -.455   | 1.6237 | .002    | 1        |
| S4        | 5.0000       | 5.0539      | .054       | 1.08    | 3.2973 | .002    | 1        |
| S5        | 10.000       | 9.9510      | -.049      | -.490   | 6.4920 | .020    | 1        |

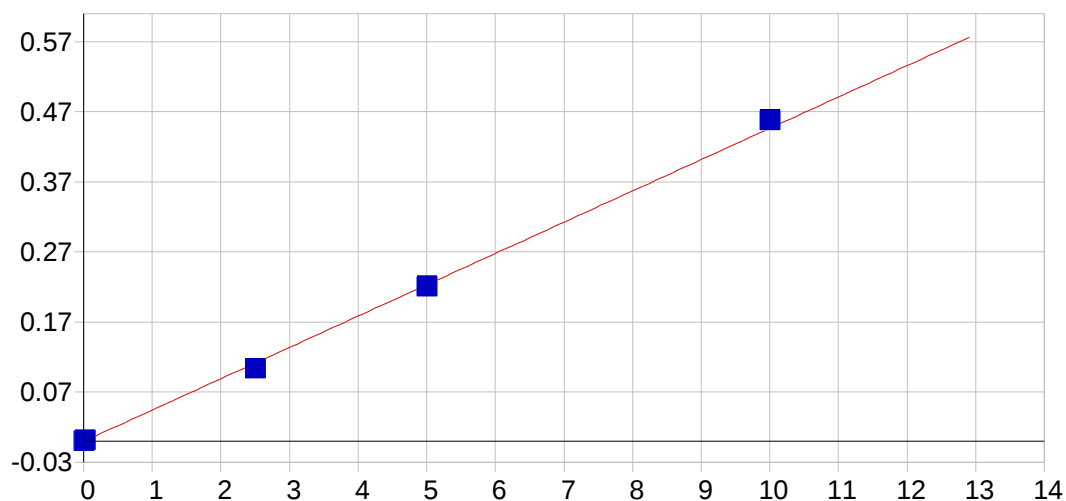


B 249.678 {135}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001283 Re-Slope: 1.000000  
 A1 (Gain): 0.074427 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999872 Status: OK.  
 Std Error of Est: 0.000064  
 Predicted MDL: 0.008292  
 Predicted MQL: 0.027639

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00128 | .000    | 1        |
| S1        | .10000       | .09987      | -.000      | -.130   | .00868 | .000    | 1        |
| S3        | 2.5000       | 2.4085      | -.091      | -3.66   | .18011 | .002    | 1        |
| S4        | 5.0000       | 5.0748      | .075       | 1.50    | .37812 | .001    | 1        |
| S5        | 10.000       | 10.017      | .017       | .168    | .74506 | .001    | 1        |



S 182.034 {485}

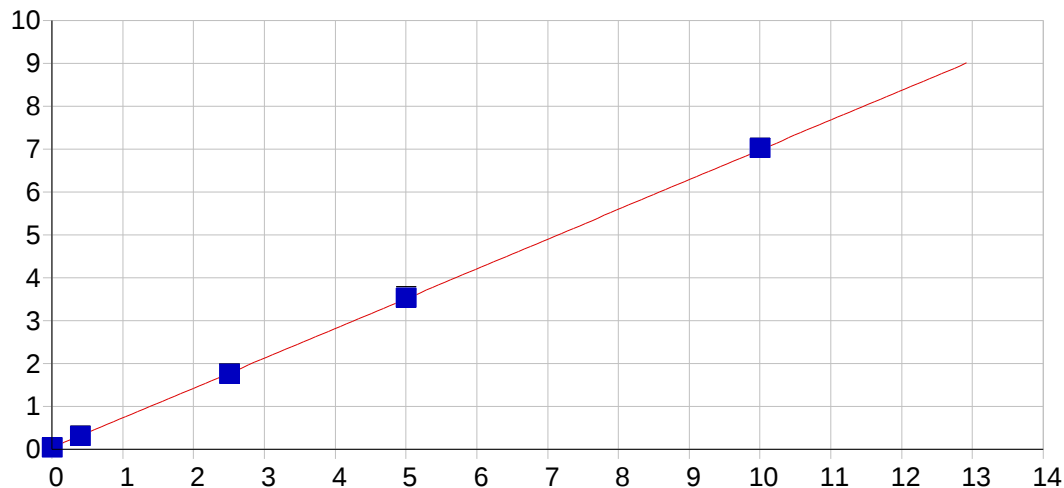
Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000056 Re-Slope: 1.000000  
 A1 (Gain): 0.044654 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999449  
 Std Error of Est: 0.000036  
 Predicted MDL: 0.003309  
 Predicted MQL: 0.011031

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00006 | .000    | 1        |
| S1        | .02000       | .02070      | .001       | 3.49    | .00084  | .000    | 1        |
| S3        | 2.5000       | 2.3201      | -.180      | -7.20   | .10342  | .000    | 1        |
| S4        | 5.0000       | 4.9418      | -.058      | -1.16   | .22036  | .001    | 1        |
| S5        | 10.000       | 10.237      | .237       | 2.37    | .45658  | .002    | 1        |



Si 288.158 {117}

Date of Fit: 12/11/2018 15:55:54

Type of Fit: Linear

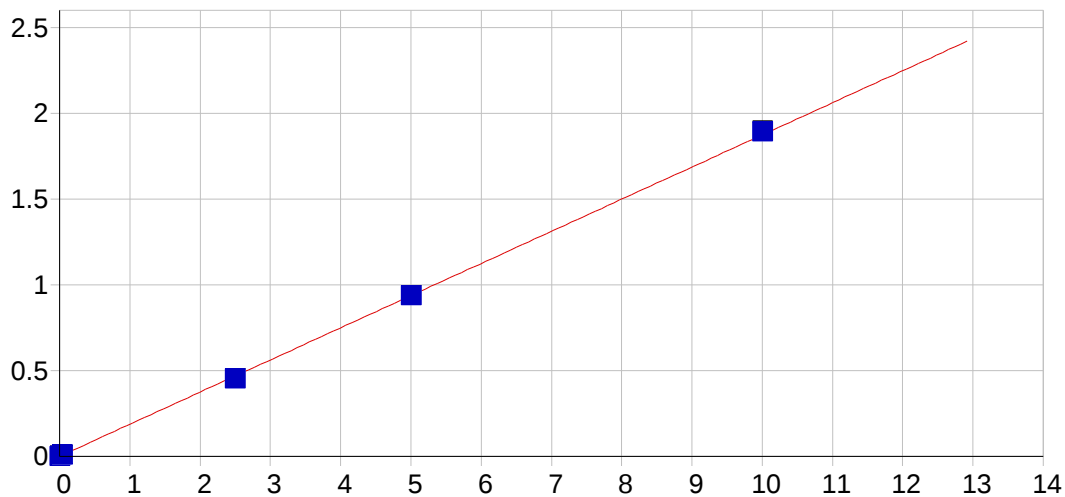
Weighting: 1/Conc

A0 (Offset): 0.036517  
 A1 (Gain): 0.694714  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999959  
 Std Error of Est: 0.000683  
 Predicted MDL: 0.002507  
 Predicted MQL: 0.008356

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | .03653 | .000    | 1        |
| S1        | .40000       | .38266      | -.017      | -4.34   | .30212 | .000    | 1        |
| S3        | 2.5000       | 2.4646      | -.035      | -1.42   | 1.7478 | .014    | 1        |
| S4        | 5.0000       | 5.0116      | .012       | .231    | 3.5163 | .041    | 1        |
| S5        | 10.000       | 10.041      | .041       | .412    | 7.0086 | .007    | 1        |

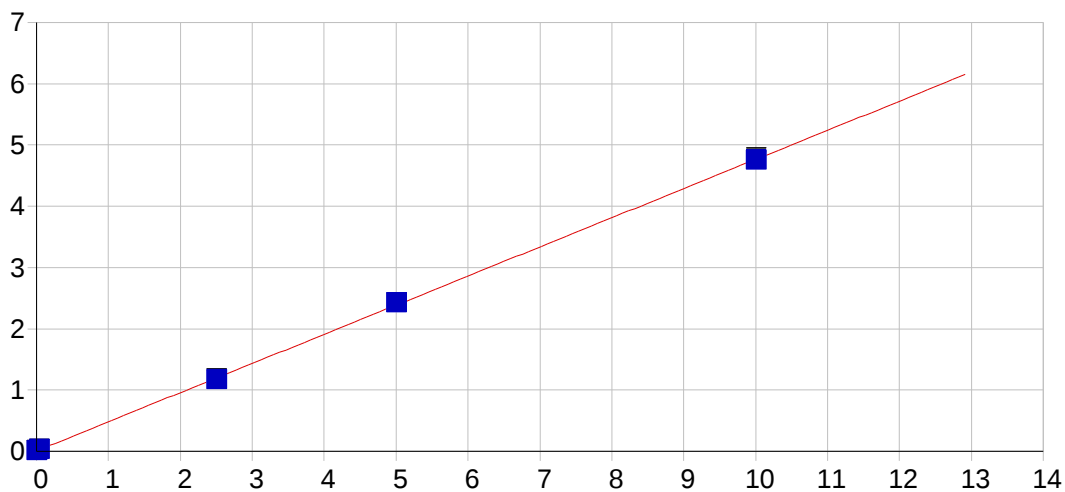


Sn 189.989 {477}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000323 Re-Slope: 1.000000  
 A1 (Gain): 0.187337 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999854 Status: OK.  
 Std Error of Est: 0.000109  
 Predicted MDL: 0.000800  
 Predicted MQL: 0.002667

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00032 | .000    | 1        |
| S1        | .04000       | .04178      | .002       | 4.44    | .00815 | .000    | 1        |
| S3        | 2.5000       | 2.3989      | -.101      | -4.04   | .44981 | .000    | 1        |
| S4        | 5.0000       | 5.0013      | .001       | .026    | .93741 | .001    | 1        |
| S5        | 10.000       | 10.098      | .098       | .980    | 1.8924 | .003    | 1        |



Ti 336.121 {100}

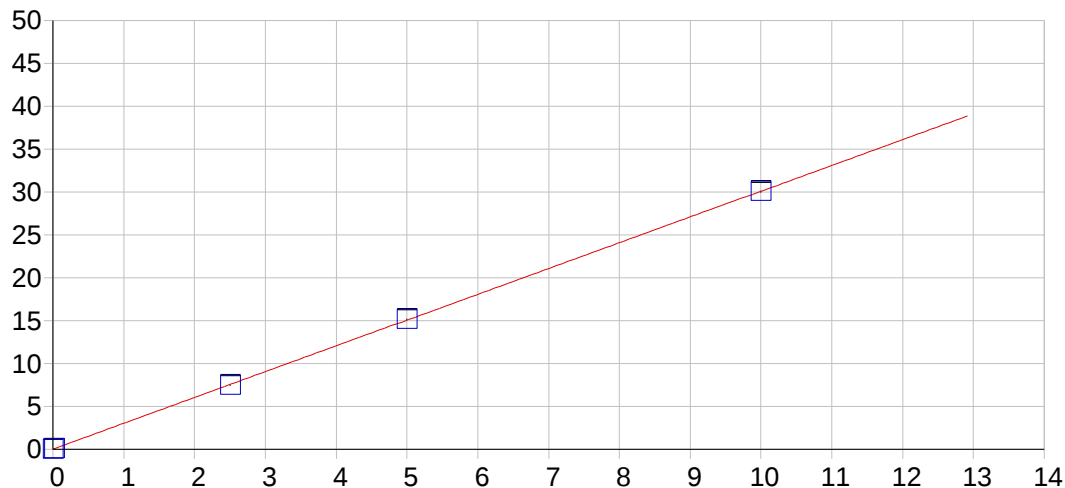
Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.006800 Re-Slope: 1.000000  
 A1 (Gain): 0.475713 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999912  
 Std Error of Est: 0.000216  
 Predicted MDL: 0.002176  
 Predicted MQL: 0.007255

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00680 | .000    | 1        |
| S1        | .04000       | .04070      | .001       | 1.75    | .02615 | .000    | 1        |
| S3        | 2.5000       | 2.4371      | -.063      | -2.52   | 1.1660 | .011    | 1        |
| S4        | 5.0000       | 5.0849      | .085       | 1.70    | 2.4255 | .002    | 1        |
| S5        | 10.000       | 9.9773      | -.023      | -.227   | 4.7525 | .030    | 1        |



Li 670.784 { 50}

Date of Fit: 12/11/2018 15:55:54

Type of Fit: Linear

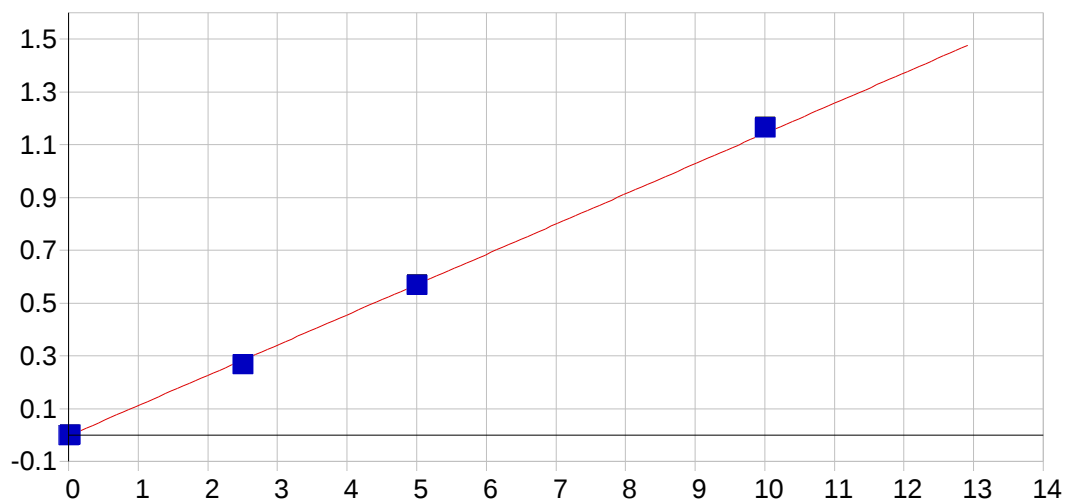
Weighting: 1/Conc

A0 (Offset): 0.036325  
 A1 (Gain): 3.006274  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999983  
 Std Error of Est: 0.000419  
 Predicted MDL: 0.001678  
 Predicted MQL: 0.005594

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .03633 | .000    | 1        |
| S1        | .02000       | .01828      | -.002      | -8.58   | .09129 | .003    | 1        |
| S3        | 2.5000       | 2.4784      | -.022      | -.865   | 7.4870 | .083    | 1        |
| S4        | 5.0000       | 5.0344      | .034       | .688    | 15.171 | .066    | 1        |
| S5        | 10.000       | 9.9889      | -.011      | -.111   | 30.066 | .105    | 1        |



P 177.495 {490}

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002984 Re-Slope: 1.000000  
 A1 (Gain): 0.114554 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999643 Status: OK.  
 Std Error of Est: 0.000074  
 Predicted MDL: 0.001503  
 Predicted MQL: 0.005008

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00298 | .000    | 1        |
| S1        | .02000       | .01870      | -.001      | -6.50   | -.00085 | .000    | 1        |
| S3        | 2.5000       | 2.3479      | -.152      | -6.08   | .26557  | .000    | 1        |
| S4        | 5.0000       | 4.9785      | -.021      | -.430   | .56650  | .002    | 1        |
| S5        | 10.000       | 10.175      | .175       | 1.75    | 1.1609  | .003    | 1        |



Y 224.306 {450}\*

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

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







In 230.606 {446}\*

Date of Fit: <not fit>

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

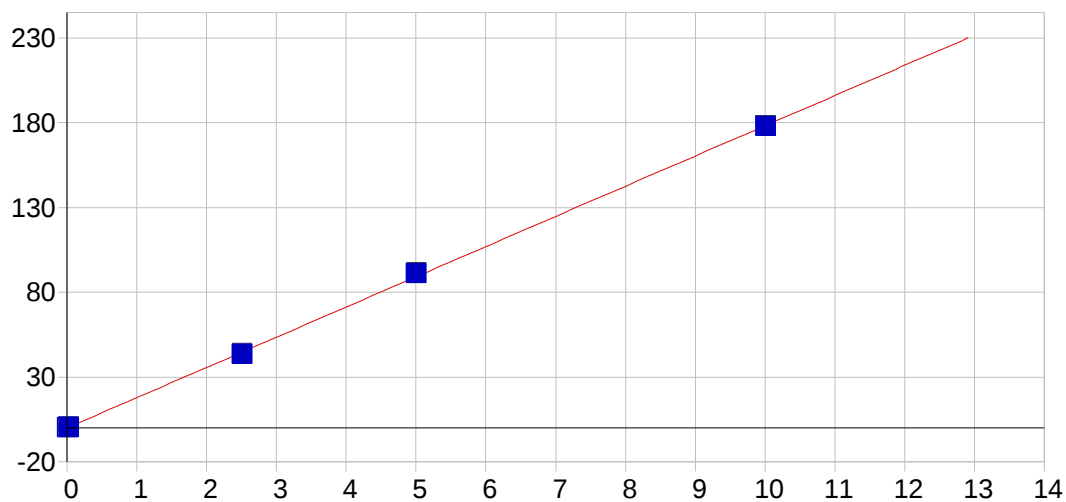
Status: Warning Zero Gain

Std Error of Est: 0.000000

Predicted MDL: n/a

Predicted MQL: n/a

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



Sr 407.771 { 83}

Date of Fit: 12/11/2018 15:55:54

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.009302

Re-Slope: 1.000000

A1 (Gain): 17.821296

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999893

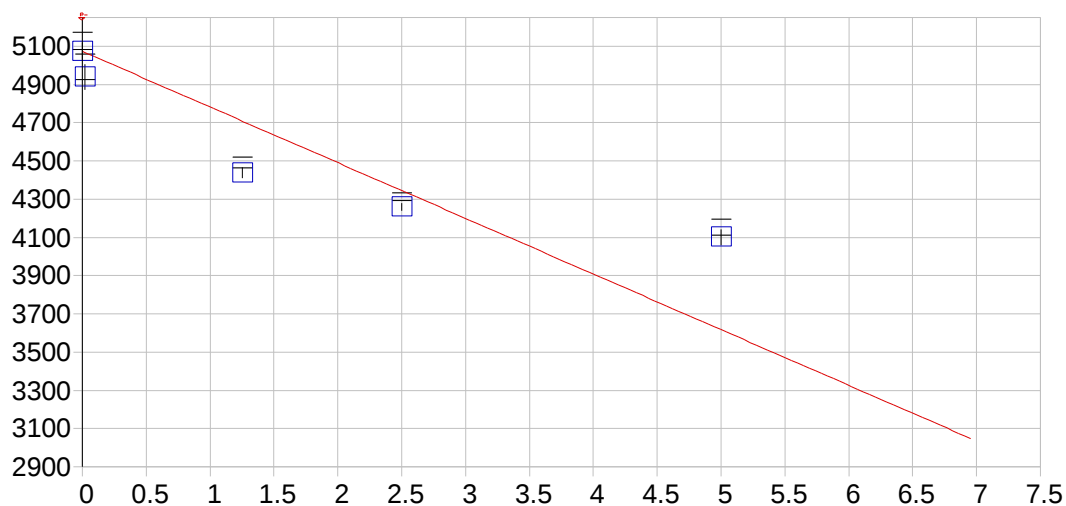
Status: OK.

Std Error of Est: 0.006297

Predicted MDL: 0.000110

Predicted MQL: 0.000366

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00929 | .002    | 1        |
| S1        | .02000       | .01962      | -.000      | -1.91   | .34228  | .000    | 1        |
| S3        | 2.5000       | 2.4345      | -.066      | -2.62   | 43.425  | .464    | 1        |
| S4        | 5.0000       | 5.0980      | .098       | 1.96    | 90.942  | .315    | 1        |
| S5        | 10.000       | 9.9679      | -.032      | -.321   | 177.83  | .174    | 1        |

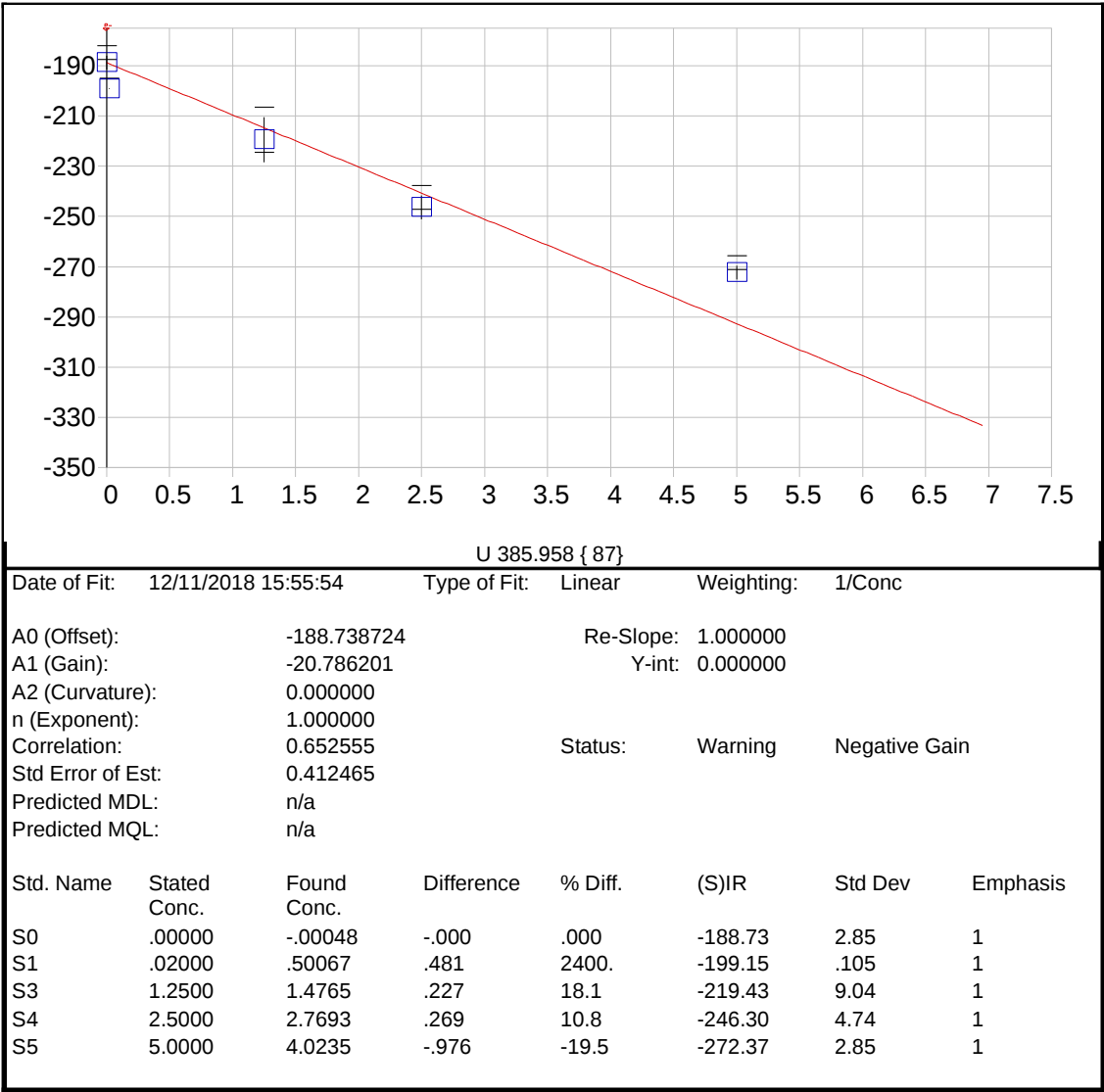


U 367.007 { 92 }

Date of Fit: 12/11/2018 15:55:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 5072.698296 Re-Slope: 1.000000  
A1 (Gain): -291.140895 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.665757 Status: Warning Negative Gain  
Std Error of Est: 5.576126  
Predicted MDL: n/a  
Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00045     | -.000      | .000    | 5072.8 | 45.2    | 1        |
| S1        | .02000       | .46104      | .441       | 2210.   | 4938.5 | 65.6    | 1        |
| S3        | 1.2500       | 2.1796      | .930       | 74.4    | 4438.1 | 29.1    | 1        |
| S4        | 2.5000       | 2.7938      | .294       | 11.8    | 4259.3 | 21.3    | 1        |
| S5        | 5.0000       | 3.3356      | -1.66      | -33.3   | 4101.6 | 41.7    | 1        |



Sample Name: S0      Acquired: 12/11/2018 11:58:40      Type: Cal  
Method: P4-ICP2(v2642)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | Cts/S   | Cts/S   | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   |
| Avg    | -.00001 | -.00058 | .00292 | -.00011 | .00040  | -.00008 | .13601  | .00009  |
| Stddev | .00006  | .00001  | .00016 | .00018  | .00007  | .00010  | .00096  | .00004  |
| %RSD   | 534.25  | 2.3906  | 5.3688 | 162.85  | 18.052  | 127.03  | .70423  | 41.289  |
| #1     | .00003  | -.00059 | .00281 | -.00024 | .00035  | -.00015 | .13534  | .00012  |
| #2     | -.00005 | -.00057 | .00303 | .00002  | .00045  | -.00001 | .13669  | .00006  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | Cts/S   | Cts/S   | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   |
| Avg    | -.00071 | .00015  | .00010 | .00008  | -.00037 | -.00855 | .00020  | -.00025 |
| Stddev | .00001  | .00069  | .00005 | .00008  | .00001  | .00740  | .00002  | .00010  |
| %RSD   | 1.6261  | 470.43  | 50.049 | 99.489  | 1.8043  | 86.544  | 11.471  | 39.252  |
| #1     | -.00070 | .00064  | .00014 | .00002  | -.00038 | -.01378 | .00019  | -.00032 |
| #2     | -.00071 | -.00034 | .00006 | .00013  | -.00037 | -.00332 | .00022  | -.00018 |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | Cts/S   | Cts/S   | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   |
| Avg    | -.00597 | .00001  | .20202 | -.00018 | .09525  | -.02020 | .00020  | .00128  |
| Stddev | .00012  | .00000  | .00805 | .00003  | .01183  | .00338  | .00006  | .00002  |
| %RSD   | 2.0376  | 28.953  | 3.9862 | 16.882  | 12.415  | 16.708  | 29.956  | 1.7355  |
| #1     | -.00605 | .00001  | .20771 | -.00020 | .10361  | -.01782 | .00024  | .00127  |
| #2     | -.00588 | .00002  | .19632 | -.00016 | .08688  | -.02259 | .00015  | .00130  |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | Cts/S   | Cts/S   | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   |
| Avg    | -.00006 | .03653  | .00032 | .00680  | .03633  | -.0030  | -.00929 | 5072.8  |
| Stddev | .00005  | .00031  | .00001 | .00005  | .00037  | .0000   | .00203  | 45.2    |
| %RSD   | 84.605  | .83679  | 3.6833 | .73421  | 1.0166  | 1.608   | 21.840  | .89123  |
| #1     | -.00009 | .03675  | .00031 | .00676  | .03659  | -.0029  | -.01073 | 5104.8  |
| #2     | -.00002 | .03631  | .00033 | .00684  | .03607  | -.0030  | -.00786 | 5040.9  |

Sample Name: S0      Acquired: 12/11/2018 11:58:40      Type: Cal  
Method: P4-ICP2(v2642)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -188.73 |
| Stddev | 2.85    |
| %RSD   | 1.5088  |

|    |         |
|----|---------|
| #1 | -190.74 |
| #2 | -186.72 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3674.7 | 49449. | 2762.4 | 106.59 | 3978.1 |
| Stddev    | 3.0    | 48.    | 10.4   | 1.51   | 16.6   |
| %RSD      | .08056 | .09778 | .37488 | 1.4152 | .41616 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3672.6 | 49483. | 2769.8 | 107.66 | 3966.4 |
| #2 | 3676.8 | 49415. | 2755.1 | 105.53 | 3989.8 |

Sample Name: S1      Acquired: 12/11/2018 12:02:43      Type: Cal  
Method: P4-ICP2(v2642)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00117 | .00640 | .00639 | .00111 | .00884 | .00083 | .96361 | .00665 |
| Stddev | .00022 | .00012 | .00017 | .00019 | .00027 | .00001 | .00262 | .00002 |
| %RSD   | 18.605 | 1.8824 | 2.7086 | 17.285 | 3.0881 | 1.0005 | .27217 | .25535 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00133 | .00648 | .00626 | .00097 | .00865 | .00084 | .96175 | .00667 |
| #2 | .00102 | .00631 | .00651 | .00124 | .00903 | .00083 | .96546 | .00664 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Ni2316 | Ag3280 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .01881 | .00223 | .03712 | .01438 | .13237 | .03053 | .02210 | .00213 |
| Stddev | .00003 | .00003 | .00026 | .00034 | .01903 | .00004 | .00018 | .00003 |
| %RSD   | .15037 | 1.3904 | .70916 | 2.3489 | 14.376 | .14248 | .81293 | 1.5257 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01883 | .00225 | .03693 | .01462 | .14583 | .03056 | .02198 | .00215 |
| #2 | .01879 | .00221 | .03730 | .01414 | .11892 | .03050 | .02223 | .00210 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | V_2924 | Zn2138 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00955 | 4.2127 | .13489 | .00868 | .00084 | .30212 | .00815 | .02615 |
| Stddev | .00018 | .0560  | .00119 | .00041 | .00004 | .00021 | .00009 | .00049 |
| %RSD   | 1.8401 | 1.3293 | .88063 | 4.7243 | 4.7820 | .06812 | 1.1516 | 1.8694 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00967 | 4.2523 | .13405 | .00839 | .00081 | .30227 | .00808 | .02581 |
| #2 | .00942 | 4.1731 | .13573 | .00897 | .00087 | .30198 | .00821 | .02650 |

|        |        |        |        |        |         |
|--------|--------|--------|--------|--------|---------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |
| Avg    | .09129 | -.0008 | .34228 | 4938.5 | -199.15 |
| Stddev | .00281 | .0003  | .00014 | 65.6   | .11     |
| %RSD   | 3.0775 | 29.99  | .04028 | 1.3274 | .05291  |

|    |        |        |        |        |         |
|----|--------|--------|--------|--------|---------|
| #1 | .08930 | -.0007 | .34238 | 4892.1 | -199.22 |
| #2 | .09328 | -.0010 | .34218 | 4984.8 | -199.07 |

Sample Name: S1      Acquired: 12/11/2018 12:02:43      Type: Cal  
Method: P4-ICP2(v2642)      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       | 3663.2 | 49378. | 2714.3 | 105.97 | 3947.9 |
| Stddev    | 1.7    | 309.   | 14.6   | 1.97   | 9.1    |
| %RSD      | .04566 | .62553 | .53949 | 1.8573 | .22927 |
| #1        | 3664.4 | 49159. | 2704.0 | 104.58 | 3941.5 |
| #2        | 3662.1 | 49596. | 2724.7 | 107.36 | 3954.3 |

Sample Name: S2      Acquired: 12/11/2018 12:06:47      Type: Cal  
Method: P4-ICP2(v2642)      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    | .14567 | .03622 | 1.0754 | .25544 |
| Stddev | .00135 | .00002 | .0040  | .00246 |
| %RSD   | .92667 | .06183 | .37097 | .96407 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .14662 | .03623 | 1.0726 | .25718 |
| #2 | .14471 | .03620 | 1.0782 | .25370 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 2711.1 |
| Stddev    | 1.3    |
| %RSD      | .04782 |

|    |        |
|----|--------|
| #1 | 2712.0 |
| #2 | 2710.1 |

Sample Name: S3      Acquired: 12/11/2018 12:10:44      Type: Cal  
Method: P4-ICP2(v2642)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .15380 | .39490 | .69633 | .18429 | .37456 | .03623 | 38.800 | .13116 |
| Stddev | .00008 | .00111 | .00117 | .00007 | .00117 | .00009 | .440   | .00063 |
| %RSD   | .05422 | .28139 | .16735 | .03871 | .31273 | .25009 | 1.1338 | .47793 |
| #1     | .15386 | .39568 | .69550 | .18434 | .37373 | .03616 | 39.111 | .13072 |
| #2     | .15374 | .39411 | .69715 | .18424 | .37539 | .03629 | 38.489 | .13160 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 3.9654 | .89765 | .10062 | 1.3441 | .42538 | 3.1225 | 1.6704 | .21904 |
| Stddev | .0058  | .00604 | .00029 | .0004  | .00056 | .0133  | .0019  | .00245 |
| %RSD   | .14732 | .67253 | .29129 | .03045 | .13069 | .42729 | .11472 | 1.1171 |
| #1     | 3.9695 | .90192 | .10041 | 1.3444 | .42577 | 3.1131 | 1.6691 | .22077 |
| #2     | 3.9612 | .89338 | .10083 | 1.3438 | .42499 | 3.1319 | 1.6718 | .21731 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .76983 | .11440 | 5.8656 | .26483 | 116.39 | 1.7077 | 1.6237 | .18011 |
| Stddev | .00034 | .00019 | .0667  | .00022 | .22    | .0178  | .0016  | .00170 |
| %RSD   | .04393 | .16562 | 1.1369 | .08192 | .18718 | 1.0415 | .09766 | .94282 |
| #1     | .76959 | .11426 | 5.9128 | .26468 | 116.54 | 1.7203 | 1.6248 | .18131 |
| #2     | .77007 | .11453 | 5.8185 | .26498 | 116.23 | 1.6952 | 1.6226 | .17891 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .10342 | 1.7478 | .44981 | 1.1660 | 7.4870 | .2656  | 43.425 | 4438.1 |
| Stddev | .00014 | .0143  | .00011 | .0108  | .0830  | .0002  | .464   | 29.1   |
| %RSD   | .13384 | .81630 | .02459 | .92948 | 1.1084 | .0619  | 1.0689 | .65549 |
| #1     | .10352 | 1.7579 | .44989 | 1.1737 | 7.5457 | .2654  | 43.754 | 4417.6 |
| #2     | .10332 | 1.7377 | .44973 | 1.1583 | 7.4283 | .2657  | 43.097 | 4458.7 |

Sample Name: S3      Acquired: 12/11/2018 12:10:44      Type: Cal  
 Method: P4-ICP2(v2642)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -219.43 |
| Stddev | 9.04    |
| %RSD   | 4.1201  |

|    |         |
|----|---------|
| #1 | -213.04 |
| #2 | -225.82 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3552.5 | 47743. | 2609.8 | 99.282 | 3728.2 |
| Stddev    | 2.8    | 81.    | 38.1   | .182   | 6.5    |
| %RSD      | .07840 | .16981 | 1.4592 | .18364 | .17476 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3550.6 | 47685. | 2582.9 | 99.153 | 3723.6 |
| #2 | 3554.5 | 47800. | 2636.8 | 99.411 | 3732.8 |

Sample Name: S4      Acquired: 12/11/2018 12:14:31      Type: Cal  
Method: P4-ICP2(v2642)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .31019 | .79719 | 1.4141 | .36797 | .74197 | .07349 | 78.906 | .26106 |
| Stddev | .00017 | .00064 | .0014  | .00092 | .00008 | .00032 | .373   | .00051 |
| %RSD   | .05482 | .08041 | .09592 | .25066 | .01026 | .44139 | .47326 | .19441 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .31007 | .79674 | 1.4131 | .36863 | .74191 | .07371 | 78.641 | .26142 |
| #2 | .31031 | .79764 | 1.4150 | .36732 | .74202 | .07326 | 79.170 | .26071 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 8.1098 | 1.8398 | .20094 | 2.7428 | .84031 | 6.1396 | 3.3030 | .44363 |
| Stddev | .0056  | .0037  | .00040 | .0003  | .00251 | .1311  | .0023  | .00019 |
| %RSD   | .06863 | .20105 | .19988 | .00966 | .29880 | 2.1346 | .06897 | .04216 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.1137 | 1.8372 | .20066 | 2.7430 | .84208 | 6.0469 | 3.3046 | .44376 |
| #2 | 8.1058 | 1.8424 | .20123 | 2.7426 | .83853 | 6.2323 | 3.3014 | .44350 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 1.5553 | .22619 | 11.645 | .52558 | 228.05 | 3.5030 | 3.2973 | .37812 |
| Stddev | .0004  | .00031 | .046   | .00071 | 3.17   | .0098  | .0018  | .00080 |
| %RSD   | .02654 | .13591 | .39819 | .13503 | 1.3905 | .28045 | .05559 | .21145 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.5556 | .22598 | 11.612 | .52608 | 225.81 | 3.4960 | 3.2986 | .37868 |
| #2 | 1.5550 | .22641 | 11.678 | .52507 | 230.30 | 3.5099 | 3.2960 | .37755 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .22036 | 3.5163 | .93741 | 2.4255 | 15.171 | .5665  | 90.942 | 4259.3 |
| Stddev | .00056 | .0415  | .00059 | .0021  | .066   | .0016  | .315   | 21.3   |
| %RSD   | .25550 | 1.1801 | .06304 | .08480 | .43644 | .2814  | .34655 | .49963 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .21996 | 3.4869 | .93700 | 2.4269 | 15.124 | .5654 | 90.719 | 4274.4 |
| #2 | .22076 | 3.5456 | .93783 | 2.4240 | 15.218 | .5676 | 91.165 | 4244.3 |

Sample Name: S4      Acquired: 12/11/2018 12:14:31      Type: Cal  
 Method: P4-ICP2(v2642)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -246.30 |
| Stddev | 4.74    |
| %RSD   | 1.9230  |

|    |         |
|----|---------|
| #1 | -242.95 |
| #2 | -249.65 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3508.3 | 47047. | 2560.6 | 100.03 | 3581.5 |
| Stddev    | 2.4    | 27.    | 13.8   | 1.42   | 1.8    |
| %RSD      | .06741 | .05824 | .54077 | 1.4244 | .05107 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3506.6 | 47028. | 2570.3 | 101.04 | 3582.8 |
| #2 | 3510.0 | 47066. | 2550.8 | 99.025 | 3580.2 |

Sample Name: S5      Acquired: 12/11/2018 12:18:17      Type: Cal  
Method: P4-ICP2(v2642)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .61680 | 1.5848 | 2.8432 | .72429 | 1.4676 | .14597 | 154.44 | .51390 |
| Stddev | .00154 | .0046  | .0050  | .00228 | .0058  | .00046 | .90    | .00103 |
| %RSD   | .24916 | .29124 | .17595 | .31497 | .39366 | .31368 | .58331 | .20123 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .61789 | 1.5880 | 2.8467 | .72591 | 1.4717 | .14629 | 155.08 | .51463 |
| #2 | .61572 | 1.5815 | 2.8396 | .72268 | 1.4635 | .14564 | 153.81 | .51317 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 16.346 | 3.6281 | .39286 | 5.5460 | 1.6382 | 12.351 | 6.4294 | .87562 |
| Stddev | .050   | .0078  | .00054 | .0155  | .0062  | .147   | .0011  | .00253 |
| %RSD   | .30545 | .21572 | .13871 | .27926 | .37631 | 1.1928 | .01739 | .28909 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.381 | 3.6336 | .39324 | 5.5569 | 1.6425 | 12.247 | 6.4302 | .87741 |
| #2 | 16.311 | 3.6225 | .39247 | 5.5350 | 1.6338 | 12.455 | 6.4286 | .87383 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 3.1277 | .44757 | 23.047 | 1.0382 | 454.22 | 6.9978 | 6.4920 | .74506 |
| Stddev | .0087  | .00019 | .119   | .0009  | 8.18   | .0330  | .0204  | .00058 |
| %RSD   | .27865 | .04187 | .51696 | .08380 | 1.8017 | .47132 | .31488 | .07793 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.1339 | .44770 | 23.132 | 1.0388 | 448.44 | 7.0211 | 6.5065 | .74547 |
| #2 | 3.1216 | .44744 | 22.963 | 1.0376 | 460.01 | 6.9744 | 6.4776 | .74465 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .45658 | 7.0086 | 1.8924 | 4.7525 | 30.066 | 1.161  | 177.83 | 4101.6 |
| Stddev | .00182 | .0069  | .0027  | .0305  | .105   | .003   | .17    | 41.7   |
| %RSD   | .39770 | .09808 | .14174 | .64159 | .34948 | .2377  | .09757 | 1.0177 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .45787 | 7.0134 | 1.8943 | 4.7741 | 30.140 | 1.163 | 177.95 | 4072.1 |
| #2 | .45530 | 7.0037 | 1.8905 | 4.7309 | 29.991 | 1.159 | 177.70 | 4131.1 |

Sample Name: S5      Acquired: 12/11/2018 12:18:17      Type: Cal  
 Method: P4-ICP2(v2642)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -272.37 |
| Stddev | 2.85    |
| %RSD   | 1.0452  |

|    |         |
|----|---------|
| #1 | -274.39 |
| #2 | -270.36 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3414.7 | 46054. | 2509.1 | 95.691 | 3374.1 |
| Stddev    | 15.6   | 49.    | 7.8    | 1.601  | 15.6   |
| %RSD      | .45694 | .10565 | .31282 | 1.6726 | .46175 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3403.7 | 46020. | 2503.5 | 96.823 | 3363.1 |
| #2 | 3425.7 | 46088. | 2514.6 | 94.560 | 3385.1 |

Sample Name: ICV01      Acquired: 12/11/2018 12:22:13      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |         |          |          |
|--------|--------|--------|--------|--------|----------|---------|----------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068   | Al3961  | Ba4934   | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm     | ppm      | ppm      |
| Avg    | 1.0198 | 1.0351 | 1.0044 | 1.0193 | 1.0204   | 2.5024  | .53231   | .49979   |
| Stddev | .0011  | .0075  | .0087  | .0009  | .0003    | .0281   | .00041   | .00105   |
| %RSD   | .11008 | .72629 | .86172 | .08543 | .03244   | 1.1241  | .07623   | .21049   |
| #1     | 1.0190 | 1.0298 | .99829 | 1.0186 | 1.0201   | 2.4825  | .53203   | .49904   |
| #2     | 1.0206 | 1.0405 | 1.0105 | 1.0199 | 1.0206   | 2.5222  | .53260   | .50053   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404  | Mn2576   | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm     | ppm      | ppm      |
| Avg    | .49135 | 10.554 | .51492 | .50379 | .52804   | 5.0032  | .52535   | 6.2668   |
| Stddev | .00157 | .076   | .00349 | .00365 | .00163   | .0855   | .00218   | .0307    |
| %RSD   | .32053 | .72405 | .67844 | .72523 | .30787   | 1.7096  | .41445   | .49019   |
| #1     | .49024 | 10.500 | .51245 | .50120 | .52689   | 4.9427  | .52381   | 6.2450   |
| #2     | .49246 | 10.608 | .51739 | .50637 | .52919   | 5.0637  | .52689   | 6.2885   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664  | Mo2020   | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm     | ppm      | ppm      |
| Avg    | .50542 | .45997 | 10.566 | .50836 | 1.0139   | 10.309  | 2.4713   | 2.4399   |
| Stddev | .00369 | .00240 | .021   | .00081 | .0219    | .010    | .0024    | .0269    |
| %RSD   | .73001 | .52272 | .19836 | .15874 | 2.1613   | .09406  | .09516   | 1.1015   |
| #1     | .50281 | .45827 | 10.551 | .50779 | .99844   | 10.303  | 2.4730   | 2.4590   |
| #2     | .50803 | .46167 | 10.581 | .50893 | 1.0294   | 10.316  | 2.4696   | 2.4209   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774  | Sr4077   | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm     | ppm      | ppm      |
| Avg    | 2.7412 | 2.4065 | 2.3648 | 2.4442 | F .54160 | F .0106 | F .01126 | F 2.2410 |
| Stddev | .0205  | .0129  | .0123  | .0005  | .00388   | .0001   | .00020   | .2313    |
| %RSD   | .74806 | .53687 | .52170 | .01899 | .71668   | 1.259   | 1.8017   | 10.322   |
| #1     | 2.7267 | 2.3974 | 2.3561 | 2.4445 | .53886   | .0107   | .01140   | 2.0774   |
| #2     | 2.7557 | 2.4156 | 2.3736 | 2.4439 | .54435   | .0105   | .01111   | 2.4046   |

Sample Name: ICV01      Acquired: 12/11/2018 12:22:13      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.7670 |
| Stddev | .0070    |
| %RSD   | .39422   |

|    |        |
|----|--------|
| #1 | 1.7620 |
| #2 | 1.7719 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3560.5 | 48218. | 2562.9 | 103.77 | 3779.3 |
| Stddev    | 10.3   | 121.   | 8.2    | 2.10   | 8.9    |
| %RSD      | .28971 | .25056 | .31828 | 2.0226 | .23438 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3553.2 | 48303. | 2568.7 | 105.26 | 3785.6 |
| #2 | 3567.8 | 48132. | 2557.2 | 102.29 | 3773.0 |

Sample Name: LLICV01      Acquired: 12/11/2018 12:34:16      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02270 | .04490 | .01349 | .01972 | .05995 | .10694 | .11891 | .00647 |
| Stddev | .00208 | .00062 | .00029 | .00089 | .00039 | .01097 | .00075 | .00007 |
| %RSD   | 9.1672 | 1.3738 | 2.1694 | 4.4984 | .64795 | 10.256 | .63328 | 1.1186 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02418 | .04446 | .01328 | .02034 | .05967 | .11470 | .11838 | .00642 |
| #2 | .02123 | .04533 | .01369 | .01909 | .06022 | .09918 | .11944 | .00652 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00625 | 2.2843 | .01087 | .03462 | .02296 | .10318 | .02369 | 2.3921 |
| Stddev | .00005 | .0032  | .00017 | .00026 | .00046 | .01924 | .00003 | .0293  |
| %RSD   | .86670 | .14100 | 1.5232 | .73904 | 2.0191 | 18.650 | .12347 | 1.2259 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00622 | 2.2820 | .01099 | .03444 | .02263 | .08957 | .02367 | 2.3714 |
| #2 | .00629 | 2.2865 | .01075 | .03480 | .02329 | .11679 | .02371 | 2.4129 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04481 | .01120 | 2.0886 | .04650 | .04618 | 2.1918 | .21195 | .09738 |
| Stddev | .00008 | .00051 | .0240  | .00092 | .00134 | .0140  | .00029 | .00931 |
| %RSD   | .17705 | 4.5936 | 1.1501 | 1.9853 | 2.9012 | .63925 | .13566 | 9.5572 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04475 | .01156 | 2.1056 | .04585 | .04523 | 2.2017 | .21175 | .10396 |
| #2 | .04487 | .01083 | 2.0717 | .04715 | .04713 | 2.1818 | .21216 | .09080 |

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02277 | .43184 | .04286 | .04709 | .01909 | .0167  | .02263 | F 2.6541 |
| Stddev | .00208 | .00343 | .00025 | .00128 | .00140 | .0004  | .00000 | .1611    |
| %RSD   | 9.1274 | .79511 | .58481 | 2.7163 | 7.3231 | 2.680  | .01858 | 6.0714   |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .02424 | .43426 | .04268 | .04800 | .01810 | .0171 | .02263 | 2.7681 |
| #2 | .02130 | .42941 | .04303 | .04619 | .02008 | .0164 | .02262 | 2.5402 |

Sample Name: LLICV01      Acquired: 12/11/2018 12:34:16      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F .87793  
 Stddev      .87190  
 %RSD      99.313

#1      .26140  
 #2      1.4945

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3531.3 | 47920. | 2469.1 | 103.42 | 3850.3 |
| Stddev    | .9     | 137.   | 14.7   | 2.74   | 2.8    |
| %RSD      | .02497 | .28656 | .59529 | 2.6494 | .07252 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3531.9 | 47823. | 2458.7 | 105.36 | 3852.3 |
| #2 | 3530.7 | 48017. | 2479.5 | 101.48 | 3848.4 |

Sample Name: ICB01      Acquired: 12/11/2018 12:38:19      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00010  | .00000  | -.00171 | -.00231 | .00191  | .00621  | .00402  | -.00009  |
| Stddev | .00029  | .00121  | .00020  | .00223  | .00122  | .00304  | .00097  | .00002   |
| %RSD   | 289.12  | 38932.  | 11.509  | 96.657  | 64.092  | 48.961  | 24.103  | 19.910   |
| #1     | -.00011 | .00086  | -.00185 | -.00389 | .00104  | .00406  | .00471  | -.00010  |
| #2     | .00031  | -.00085 | -.00157 | -.00073 | .00277  | .00836  | .00334  | -.00008  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00003 | .01284  | -.00014 | -.00006 | -.00034 | .00244  | -.00005 | .00107   |
| Stddev | .00012  | .00822  | .00042  | .00004  | .00001  | .01179  | .00002  | .06769   |
| %RSD   | 487.33  | 64.016  | 293.92  | 63.914  | 3.6351  | 483.25  | 36.377  | 6323.4   |
| #1     | -.00011 | .00703  | -.00044 | -.00009 | -.00035 | .01078  | -.00006 | .04893   |
| #2     | .00006  | .01865  | .00015  | -.00004 | -.00034 | -.00590 | -.00004 | -.04679  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00030 | -.00029 | -.19160 | .00037  | -.00028 | -.07668 | -.00003 | -.00262  |
| Stddev | .00020  | .00011  | .00686  | .00038  | .00003  | .00067  | .00001  | .00373   |
| %RSD   | 66.847  | 38.336  | 3.5781  | 102.08  | 9.1017  | .86926  | 33.950  | 142.23   |
| #1     | -.00045 | -.00036 | -.18675 | .00064  | -.00026 | -.07715 | -.00004 | -.00526  |
| #2     | -.00016 | -.00021 | -.19644 | .00010  | -.00030 | -.07620 | -.00002 | .00002   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00019  | .00835  | .00003  | .00185  | -.00018 | -.0007  | -.00006 | F 2.8572 |
| Stddev | .00099  | .00204  | .00029  | .00050  | .00081  | .0002   | .00006  | .1137    |
| %RSD   | 524.58  | 24.410  | 1044.9  | 26.794  | 435.87  | 25.88   | 94.625  | 3.9776   |
| #1     | -.00051 | .00980  | .00023  | .00220  | -.00076 | -.0008  | -.00010 | 2.9375   |
| #2     | .00089  | .00691  | -.00018 | .00150  | .00039  | -.0005  | -.00002 | 2.7768   |

Sample Name: ICB01      Acquired: 12/11/2018 12:38:19      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .38899 |
| Stddev | .19362   |
| %RSD   | 49.776   |

|    |        |
|----|--------|
| #1 | .52590 |
| #2 | .25208 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3533.7 | 47808. | 2427.4 | 102.61 | 3874.0 |
| Stddev    | 22.8   | 98.    | 30.7   | 1.24   | 14.9   |
| %RSD      | .64607 | .20415 | 1.2662 | 1.2117 | .38415 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3517.5 | 47739. | 2405.6 | 101.73 | 3863.5 |
| #2 | 3549.8 | 47877. | 2449.1 | 103.49 | 3884.5 |

Sample Name: CRI01      Acquired: 12/11/2018 12:42:24      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02217 | .04368 | .01274 | .01892 | .06114 | .08849 | .12188 | .00644   |
| Stddev | .00238 | .00056 | .00018 | .00021 | .00086 | .00894 | .00067 | .00009   |
| %RSD   | 10.743 | 1.2764 | 1.3756 | 1.1347 | 1.4028 | 10.102 | .55218 | 1.4307   |
| #1     | .02386 | .04329 | .01261 | .01907 | .06053 | .09482 | .12235 | .00638   |
| #2     | .02049 | .04408 | .01286 | .01877 | .06174 | .08217 | .12140 | .00651   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00613 | 2.3699 | .01057 | .03399 | .02223 | .09509 | .02357 | 2.4795   |
| Stddev | .00008 | .0243  | .00006 | .00026 | .00028 | .00562 | .00002 | .0439    |
| %RSD   | 1.3610 | 1.0247 | .56792 | .76851 | 1.2543 | 5.9071 | .09574 | 1.7703   |
| #1     | .00607 | 2.3527 | .01052 | .03418 | .02203 | .09112 | .02359 | 2.4484   |
| #2     | .00619 | 2.3870 | .01061 | .03381 | .02243 | .09906 | .02356 | 2.5105   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04455 | .01013 | 2.1267 | .04552 | .04698 | 2.1798 | .21149 | .10220   |
| Stddev | .00004 | .00032 | .0061  | .00004 | .00136 | .0028  | .00054 | .01817   |
| %RSD   | .07986 | 3.1654 | .28871 | .09484 | 2.8901 | .12719 | .25703 | 17.780   |
| #1     | .04458 | .01036 | 2.1310 | .04549 | .04794 | 2.1817 | .21111 | .08935   |
| #2     | .04453 | .00991 | 2.1223 | .04555 | .04602 | 2.1778 | .21188 | .11505   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01893 | .44624 | .04221 | .04836 | .02269 | .0172  | .02286 | F 2.7026 |
| Stddev | .00146 | .00407 | .00084 | .00104 | .00151 | .0000  | .00011 | .0111    |
| %RSD   | 7.7187 | .91267 | 1.9906 | 2.1505 | 6.6529 | .2682  | .47377 | .41122   |
| #1     | .01997 | .44336 | .04280 | .04763 | .02162 | .0172  | .02279 | 2.7105   |
| #2     | .01790 | .44912 | .04161 | .04910 | .02375 | .0171  | .02294 | 2.6948   |

Sample Name: CRI01      Acquired: 12/11/2018 12:42:24      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .54389 |
| Stddev | .10006   |
| %RSD   | 18.397   |

|    |        |
|----|--------|
| #1 | .47314 |
| #2 | .61464 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3518.3 | 48003. | 2398.6 | 101.79 | 3850.5 |
| Stddev    | 5.8    | 5.     | 3.2    | 2.85   | 1.7    |
| %RSD      | .16563 | .01056 | .13159 | 2.8018 | .04302 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3522.5 | 47999. | 2400.8 | 99.775 | 3851.7 |
| #2 | 3514.2 | 48006. | 2396.4 | 103.81 | 3849.3 |

Sample Name: ICSA01      Acquired: 12/11/2018 12:50:35      Type: Unk  
Method: P4-ICP2(v2642)      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    | -.00368 | -.00822 | .00203 | -.01843 | .00317 | 278.30 | .00970 |
| Stddev | .00002  | .00151  | .00215 | .00013  | .00077 | 1.23   | .00030 |
| %RSD   | .62677  | 18.330  | 105.64 | .72672  | 24.143 | .44312 | 3.1207 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00366 | -.00929 | .00051 | -.01833 | .00263 | 277.43 | .00948 |
| #2 | -.00369 | -.00716 | .00355 | -.01852 | .00371 | 279.18 | .00991 |

|        |        |         |        |        |         |         |        |
|--------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00025 | -.00063 | 277.18 | .05641 | -.00061 | -.00679 | 98.472 |
| Stddev | .00016 | .00011  | 1.54   | .00087 | .00002  | .00046  | .040   |
| %RSD   | 62.557 | 17.222  | .55517 | 1.5394 | 2.9607  | 6.7178  | .04070 |

|    |        |         |        |        |         |         |        |
|----|--------|---------|--------|--------|---------|---------|--------|
| #1 | .00036 | -.00056 | 276.10 | .05702 | -.00060 | -.00711 | 98.501 |
| #2 | .00014 | -.00071 | 278.27 | .05579 | -.00062 | -.00647 | 98.444 |

|        |        |        |         |         |         |        |         |
|--------|--------|--------|---------|---------|---------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .01523 | 289.66 | -.00765 | -.00380 | -.01069 | .00119 | -.00053 |
| Stddev | .00006 | .10    | .00018  | .00002  | .01039  | .00018 | .00011  |
| %RSD   | .38776 | .03325 | 2.3286  | .41637  | 97.201  | 15.445 | 20.380  |

|    |        |        |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|--------|---------|
| #1 | .01519 | 289.59 | -.00777 | -.00378 | -.01804 | .00106 | -.00060 |
| #2 | .01527 | 289.73 | -.00752 | -.00381 | -.00334 | .00132 | -.00045 |

|        |         |         |         |        |        |        |        |
|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.06654 | -.00045 | -.04582 | .00425 | .00326 | .00294 | .00167 |
| Stddev | .02822  | .00038  | .00780  | .00180 | .00144 | .00162 | .00130 |
| %RSD   | 42.418  | 83.445  | 17.014  | 42.354 | 44.068 | 55.224 | 77.723 |

|    |         |         |         |        |        |        |        |
|----|---------|---------|---------|--------|--------|--------|--------|
| #1 | -.08650 | -.00072 | -.04031 | .00553 | .00428 | .00409 | .00259 |
| #2 | -.04658 | -.00018 | -.05133 | .00298 | .00225 | .00179 | .00075 |

Sample Name: ICSA01      Acquired: 12/11/2018 12:50:35      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .00364 | .0002  | .00604 | F 4.0447 | F<.00000 |
| Stddev | .00005 | .0015  | .00007 | .0887    | .84841   |
| %RSD   | 1.4678 | 638.1  | 1.2285 | 2.1924   | 35.047   |

|    |        |        |        |        |         |
|----|--------|--------|--------|--------|---------|
| #1 | .00360 | .0013  | .00598 | 3.9820 | -3.0207 |
| #2 | .00368 | -.0008 | .00609 | 4.1074 | -1.8209 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3191.4 | 43209. | 2272.9 | 93.731 | 3175.7 |
| Stddev    | 9.3    | 39.    | 4.3    | .465   | 9.9    |
| %RSD      | .28988 | .09132 | .18779 | .49558 | .31188 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3184.8 | 43181. | 2269.9 | 93.403 | 3168.7 |
| #2 | 3197.9 | 43237. | 2275.9 | 94.059 | 3182.7 |

Sample Name: ICSAB01      Acquired: 12/11/2018 13:03:34      Type: Unk  
Method: P4-ICP2(v2642)      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    | .10297 | .09522 | .05344 | .03043 | .63538 | 278.79 | .58270 |
| Stddev | .00154 | .00266 | .00225 | .00306 | .01282 | 1.29   | .00244 |
| %RSD   | 1.4934 | 2.7973 | 4.2120 | 10.042 | 2.0178 | .46133 | .41794 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .10406 | .09710 | .05503 | .02827 | .64445 | 279.69 | .58442 |
| #2 | .10189 | .09334 | .05185 | .03259 | .62631 | 277.88 | .58098 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54569 | 1.0271 | 276.61 | .58123 | .52271 | .51587 | 96.500 |
| Stddev | .00040 | .0216  | .34    | .00175 | .00993 | .00974 | .443   |
| %RSD   | .07364 | 2.1047 | .12203 | .30127 | 1.8996 | 1.8880 | .45896 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .54597 | 1.0424 | 276.85 | .58247 | .52973 | .52275 | 96.187 |
| #2 | .54540 | 1.0118 | 276.37 | .57999 | .51569 | .50898 | 96.813 |

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .54098 | 286.18 | 1.0110 | .21077 | -.09975 | .50973 | 1.0167 |
| Stddev | .00037 | .40    | .0176  | .00048 | .00550  | .00085 | .0011  |
| %RSD   | .06747 | .14110 | 1.7428 | .22926 | 5.5120  | .16723 | .10444 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .54124 | 286.47 | 1.0235 | .21111 | -.09586 | .51034 | 1.0160 |
| #2 | .54072 | 285.90 | .99856 | .21043 | -.10363 | .50913 | 1.0175 |

|        |         |          |          |          |          |          |          |
|--------|---------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7664  | Mo2020   | B_2496   | S_1820   | Si2881   | Sn1899   | Ti3361   |
| Units  | ppm     | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.09167 | F 1.0601 | F 1.0641 | F 1.0720 | F 1.0309 | F 1.0530 | F 1.0974 |
| Stddev | .00750  | .0207    | .0294    | .0256    | .0107    | .0200    | .0028    |
| %RSD   | 8.1805  | 1.9569   | 2.7592   | 2.3844   | 1.0419   | 1.8964   | .25783   |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.09697 | 1.0747 | 1.0849 | 1.0901 | 1.0385 | 1.0671 | 1.0994 |
| #2 | -.08637 | 1.0454 | 1.0434 | 1.0540 | 1.0233 | 1.0388 | 1.0954 |

Sample Name: ICSAB01      Acquired: 12/11/2018 13:03:34      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |          |          |          |           |
|--------|--------|----------|----------|----------|-----------|
| Elem   | Li6707 | P_1774   | Sr4077   | U_3670   | U_3859    |
| Units  | ppm    | ppm      | ppm      | ppm      | ppm       |
| Avg    | .00504 | F -.0006 | F .00854 | F 4.7090 | F <.00000 |
| Stddev | .00085 | .0009    | .00088   | .1601    | .04418    |
| %RSD   | 16.849 | 132.8    | 10.318   | 3.3998   | 1.4361    |

|    |        |        |        |        |         |
|----|--------|--------|--------|--------|---------|
| #1 | .00444 | -.0012 | .00917 | 4.8222 | -3.1073 |
| #2 | .00564 | -.0000 | .00792 | 4.5958 | -3.0448 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3107.7 | 42616. | 2255.1 | 94.022 | 3095.3 |
| Stddev    | 58.6   | 219.   | 6.8    | .326   | 55.7   |
| %RSD      | 1.8870 | .51477 | .30112 | .34652 | 1.8006 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3066.2 | 42461. | 2250.3 | 94.252 | 3055.9 |
| #2 | 3149.2 | 42771. | 2259.9 | 93.792 | 3134.7 |

Sample Name: CCV01      Acquired: 12/11/2018 13:11:17      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8152 | 4.7037 | 4.7543 | 4.7198 | 4.8161 | 9.7007 | 10.263 | .23868 |
| Stddev | .0125  | .0015  | .0067  | .0223  | .0045  | .0164  | .048   | .00042 |
| %RSD   | .25923 | .03180 | .14189 | .47251 | .09236 | .16858 | .46639 | .17577 |
| #1     | 4.8064 | 4.7048 | 4.7591 | 4.7041 | 4.8129 | 9.7122 | 10.297 | .23838 |
| #2     | 4.8240 | 4.7027 | 4.7495 | 4.7356 | 4.8192 | 9.6891 | 10.229 | .23898 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3379 | 26.422 | .97503 | 2.3552 | 1.2034 | 4.6561 | 2.4098 | 25.526 |
| Stddev | .0001  | .017   | .00262 | .0003  | .0026  | .0065  | .0028  | .091   |
| %RSD   | .00267 | .06606 | .26903 | .01271 | .21906 | .14041 | .11506 | .35610 |
| #1     | 2.3380 | 26.409 | .97317 | 2.3554 | 1.2016 | 4.6607 | 2.4078 | 25.590 |
| #2     | 2.3379 | 26.434 | .97688 | 2.3550 | 1.2053 | 4.6515 | 2.4118 | 25.462 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3255 | 1.1638 | 25.050 | 2.3158 | 2.4063 | 25.429 | 4.8097 | 5.0301 |
| Stddev | .0016  | .0026  | .122   | .0006  | .0143  | .062   | .0047  | .0155  |
| %RSD   | .07007 | .21910 | .48865 | .02516 | .59218 | .24280 | .09812 | .30797 |
| #1     | 2.3243 | 1.1656 | 25.136 | 2.3154 | 2.4164 | 25.473 | 4.8064 | 5.0191 |
| #2     | 2.3266 | 1.1620 | 24.963 | 2.3162 | 2.3963 | 25.386 | 4.8131 | 5.0410 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6094 | 5.0944 | 4.6788 | 5.0391 | 5.1225 | 4.583  | 5.2647 | 4.5209 |
| Stddev | .0055  | .0158  | .0038  | .0136  | .0218  | .008   | .0154  | .1026  |
| %RSD   | .11926 | .31019 | .08165 | .26981 | .42645 | .1671  | .29177 | 2.2690 |
| #1     | 4.6055 | 5.0832 | 4.6815 | 5.0487 | 5.1379 | 4.577  | 5.2755 | 4.5934 |
| #2     | 4.6133 | 5.1056 | 4.6761 | 5.0294 | 5.1070 | 4.588  | 5.2538 | 4.4483 |

Sample Name: CCV01      Acquired: 12/11/2018 13:11:17      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.4357  
Stddev      .2546  
%RSD      10.452

#1      2.2557  
#2      2.6157

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3366.6 | 45497. | 2314.2 | 96.570 | 3489.5 |
| Stddev    | 3.4    | 167.   | 4.7    | .643   | 4.6    |
| %RSD      | .10063 | .36598 | .20456 | .66617 | .13301 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3364.2 | 45379. | 2310.9 | 96.115 | 3486.2 |
| #2 | 3369.0 | 45615. | 2317.6 | 97.025 | 3492.8 |

Sample Name: LLCCV01      Acquired: 12/11/2018 13:15:02      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01816 | .04404 | .01261 | .01842 | .05893 | .11714 | .11900 | .00632   |
| Stddev | .00149 | .00043 | .00017 | .00079 | .00059 | .00463 | .00088 | .00008   |
| %RSD   | 8.2144 | .97023 | 1.3753 | 4.2654 | 1.0009 | 3.9539 | .73603 | 1.3135   |
| #1     | .01711 | .04435 | .01249 | .01787 | .05851 | .12041 | .11838 | .00638   |
| #2     | .01922 | .04374 | .01274 | .01898 | .05934 | .11386 | .11962 | .00626   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00587 | 2.2982 | .01064 | .03276 | .02203 | .10449 | .02269 | 2.3695   |
| Stddev | .00001 | .0193  | .00023 | .00040 | .00022 | .00055 | .00009 | .0138    |
| %RSD   | .13381 | .83758 | 2.1481 | 1.2154 | 1.0199 | .52943 | .38131 | .58458   |
| #1     | .00586 | 2.3118 | .01048 | .03304 | .02187 | .10410 | .02263 | 2.3793   |
| #2     | .00587 | 2.2846 | .01080 | .03247 | .02219 | .10488 | .02275 | 2.3597   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04260 | .01033 | 2.0401 | .04374 | .04574 | 2.0915 | .20548 | .10688   |
| Stddev | .00000 | .00012 | .0074  | .00003 | .00026 | .0424  | .00042 | .01326   |
| %RSD   | .00507 | 1.1454 | .36434 | .07088 | .56971 | 2.0278 | .20469 | 12.408   |
| #1     | .04260 | .01041 | 2.0454 | .04372 | .04592 | 2.0615 | .20518 | .11626   |
| #2     | .04260 | .01024 | 2.0349 | .04377 | .04555 | 2.1215 | .20578 | .09750   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01772 | .43455 | .04086 | .04669 | .02194 | .0171  | .02244 | F 3.6791 |
| Stddev | .00088 | .00032 | .00052 | .00061 | .00069 | .0008  | .00009 | .0792    |
| %RSD   | 4.9385 | .07315 | 1.2721 | 1.3074 | 3.1557 | 4.465  | .37991 | 2.1517   |
| #1     | .01710 | .43432 | .04122 | .04626 | .02243 | .0176  | .02238 | 3.7351   |
| #2     | .01834 | .43477 | .04049 | .04713 | .02145 | .0165  | .02250 | 3.6232   |

Sample Name: LLCCV01      Acquired: 12/11/2018 13:15:02      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .17747  
Stddev      .12550  
%RSD      70.712

#1      .26621  
#2      .08873

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3466.5 | 47016. | 2343.3 | 99.775 | 3842.8 |
| Stddev    | 10.9   | 27.    | 9.7    | 1.285  | 12.8   |
| %RSD      | .31474 | .05789 | .41272 | 1.2875 | .33280 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3458.8 | 46997. | 2336.5 | 98.867 | 3833.8 |
| #2 | 3474.3 | 47036. | 2350.1 | 100.68 | 3851.9 |

Sample Name: CCB01      Acquired: 12/11/2018 13:19:07      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00282 | -.00161 | -.00094 | -.00240 | .00182  | .01038  | .00457  | -.00004  |
| Stddev | .00209  | .00029  | .00026  | .00017  | .00264  | .00043  | .00040  | .00004   |
| %RSD   | 73.989  | 18.019  | 27.457  | 7.0060  | 145.19  | 4.1570  | 8.6626  | 92.914   |
| #1     | -.00135 | -.00141 | -.00076 | -.00228 | -.00005 | .01069  | .00485  | -.00001  |
| #2     | -.00430 | -.00182 | -.00112 | -.00252 | .00368  | .01008  | .00429  | -.00007  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00005 | .01250  | -.00015 | -.00010 | -.00047 | -.01105 | -.00004 | .02130   |
| Stddev | .00002  | .00981  | .00007  | .00009  | .00004  | .00119  | .00005  | .04488   |
| %RSD   | 28.264  | 78.491  | 46.314  | 96.967  | 7.7415  | 10.733  | 119.54  | 210.70   |
| #1     | -.00006 | .01944  | -.00010 | -.00016 | -.00044 | -.01021 | -.00001 | .05303   |
| #2     | -.00004 | .00556  | -.00020 | -.00003 | -.00049 | -.01189 | -.00007 | -.01043  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00058 | .00045  | -.21719 | .00003  | -.00033 | -.15807 | -.00007 | -.00333  |
| Stddev | .00006  | .00037  | .00058  | .00011  | .00004  | .08614  | .00003  | .00327   |
| %RSD   | 10.167  | 81.385  | .26756  | 314.23  | 11.129  | 54.496  | 37.167  | 98.263   |
| #1     | -.00054 | .00071  | -.21678 | -.00004 | -.00035 | -.21899 | -.00005 | -.00102  |
| #2     | -.00062 | .00019  | -.21760 | .00011  | -.00030 | -.09716 | -.00009 | -.00564  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00150 | .00960  | -.00053 | .00440  | .00055  | -.0030  | -.00014 | F 3.7756 |
| Stddev | .00071  | .00497  | .00040  | .00141  | .00010  | .0002   | .00006  | .0677    |
| %RSD   | 47.480  | 51.748  | 75.142  | 32.018  | 18.206  | 6.383   | 44.827  | 1.7932   |
| #1     | -.00201 | .00609  | -.00025 | .00539  | .00048  | -.0029  | -.00018 | 3.8235   |
| #2     | -.00100 | .01311  | -.00081 | .00340  | .00062  | -.0032  | -.00009 | 3.7278   |

Sample Name: CCB01      Acquired: 12/11/2018 13:19:07      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .20513 |
| Stddev | .18839   |
| %RSD   | 91.839   |

|    |        |
|----|--------|
| #1 | .33835 |
| #2 | .07192 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3466.6 | 46988. | 2335.9 | 102.53 | 3810.7 |
| Stddev    | 7.9    | 151.   | 22.2   | 1.41   | 1.7    |
| %RSD      | .22675 | .32169 | .94983 | 1.3794 | .04371 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3461.0 | 46881. | 2351.6 | 103.53 | 3809.5 |
| #2 | 3472.1 | 47095. | 2320.2 | 101.53 | 3811.8 |

Sample Name: LR CHECK 1      Acquired: 12/11/2018 13:22:58      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW-2R      Custom ID2:      Custom ID3:  
Comment:

|        |         |          |          |         |         |          |         |          |
|--------|---------|----------|----------|---------|---------|----------|---------|----------|
| Elem   | As1890  | Tl1908   | Pb2203   | Se1960  | Sb2068  | Al3961   | Ba4934  | Be2348   |
| Units  | ppm     | ppm      | ppm      | ppm     | ppm     | ppm      | ppm     | ppm      |
| Avg    | -.04141 | -.07136  | -.03294  | -.16732 | .05756  | 1858.4   | .01136  | .00353   |
| Stddev | .00936  | .00122   | .00591   | .01117  | .00022  | 10.2     | .00047  | .00008   |
| %RSD   | 22.613  | 1.7135   | 17.939   | 6.6738  | .38690  | .54937   | 4.1335  | 2.1568   |
| #1     | -.03479 | -.07049  | -.03712  | -.17521 | .05740  | 1851.2   | .01103  | .00359   |
| #2     | -.04803 | -.07222  | -.02876  | -.15942 | .05772  | 1865.7   | .01170  | .00348   |
| Elem   | Cd2265  | Ca3736   | Cr2677   | Co2286  | Cu2247  | Fe2404   | Mn2576  | Mg2790   |
| Units  | ppm     | ppm      | ppm      | ppm     | ppm     | ppm      | ppm     | ppm      |
| Avg    | .01565  | F 1861.6 | .11042   | .04250  | -.06427 | F 906.67 | .03320  | F 1936.9 |
| Stddev | .00072  | 6.2      | .00077   | .00016  | .00165  | 9.37     | .00006  | 3.1      |
| %RSD   | 4.6222  | .33408   | .69733   | .37387  | 2.5681  | 1.0340   | .17804  | .15902   |
| #1     | .01617  | 1857.2   | .11096   | .04261  | -.06310 | 900.04   | .03316  | 1939.0   |
| #2     | .01514  | 1866.0   | .10987   | .04238  | -.06544 | 913.30   | .03324  | 1934.7   |
| Elem   | Ni2316  | Ag3280   | Na5895   | V_2924  | Zn2138  | K_7664   | Mo2020  | B_2496   |
| Units  | ppm     | ppm      | ppm      | ppm     | ppm     | ppm      | ppm     | ppm      |
| Avg    | .11257  | -.04448  | F 1925.3 | .00578  | .09445  | F 1060.0 | .01562  | -.35678  |
| Stddev | .00167  | .00028   | 68.1     | .00069  | .00009  | 11.0     | .00095  | .00486   |
| %RSD   | 1.4853  | .64027   | 3.5350   | 11.920  | .09321  | 1.0362   | 6.0846  | 1.3612   |
| #1     | .11139  | -.04468  | 1973.4   | .00626  | .09451  | 1067.8   | .01495  | -.36021  |
| #2     | .11375  | -.04427  | 1877.2   | .00529  | .09439  | 1052.3   | .01630  | -.35334  |
| Elem   | S_1820  | Si2881   | Sn1899   | Ti3361  | Li6707  | P_1774   | Sr4077  | U_3670   |
| Units  | ppm     | ppm      | ppm      | ppm     | ppm     | ppm      | ppm     | ppm      |
| Avg    | .40847  | .00543   | .03292   | -.04592 | .05190  | .0555    | -.97851 | 4.2184   |
| Stddev | .00647  | .00343   | .00069   | .00021  | .00009  | .0033    | .01044  | .2333    |
| %RSD   | 1.5844  | 63.178   | 2.1015   | .45846  | .16664  | 5.980    | 1.0666  | 5.5303   |
| #1     | .40390  | .00786   | .03243   | -.04577 | .05183  | .0579    | -.97113 | 4.3833   |
| #2     | .41305  | .00301   | .03341   | -.04607 | .05196  | .0532    | -.98589 | 4.0534   |

Sample Name: LR CHECK 1      Acquired: 12/11/2018 13:22:58      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MW-2R      Custom ID2:      Custom ID3:  
 Comment:

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

#1      ^ ----  
 #2      ^ ----

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2465.2 | 33595. | 2018.5 | 71.744 | 2065.2 |
| Stddev    | 5.1    | 83.    | 11.8   | .448   | 10.2   |
| %RSD      | .20599 | .24565 | .58256 | .62475 | .49523 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2468.8 | 33537. | 2010.2 | 72.061 | 2072.4 |
| #2 | 2461.6 | 33653. | 2026.8 | 71.427 | 2057.9 |

Sample Name: LR CHECK 2      Acquired: 12/11/2018 13:27:23      Type: Unk  
Method: P4-ICP2(v2642)      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    | -.00136  | -.01733 | 249.32  | .01264  | -.03496  | -.21310 | F 109.50 | -.00107 |
| Stddev | .00380   | .00175  | .30     | .00098  | .00262   | .01578  | .36      | .00003  |
| %RSD   | 278.64   | 10.081  | .12221  | 7.7647  | 7.4854   | 7.4027  | .33213   | 2.4705  |
| #1     | -.00405  | -.01609 | 249.10  | .01195  | -.03681  | -.20195 | 109.76   | -.00109 |
| #2     | .00132   | -.01856 | 249.54  | .01334  | -.03311  | -.22426 | 109.24   | -.00105 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247   | Fe2404  | Mn2576   | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm      | ppm     | ppm      | ppm     |
| Avg    | -.00820  | .26560  | -.13526 | -.00707 | F 269.20 | -.82138 | F 45.723 | -.06123 |
| Stddev | .00014   | .00134  | .00078  | .00008  | 1.88     | .01742  | .177     | .03600  |
| %RSD   | 1.6964   | .50468  | .57802  | 1.0716  | .69660   | 2.1204  | .38796   | 58.797  |
| #1     | -.00811  | .26655  | -.13470 | -.00701 | 267.87   | -.80906 | 45.849   | -.03577 |
| #2     | -.00830  | .26466  | -.13581 | -.00712 | 270.52   | -.83369 | 45.598   | -.08669 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138   | K_7664  | Mo2020   | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm      | ppm     | ppm      | ppm     |
| Avg    | F 51.796 | .00980  | .77080  | -.00303 | F 36.263 | .25401  | -.00475  | -.01405 |
| Stddev | .058     | .00069  | .03629  | .00069  | .987     | .01446  | .00015   | .00615  |
| %RSD   | .11170   | 7.0543  | 4.7086  | 22.655  | 2.7207   | 5.6942  | 3.2359   | 43.798  |
| #1     | 51.755   | .01029  | .79647  | -.00255 | 35.565   | .26424  | -.00465  | -.00970 |
| #2     | 51.837   | .00931  | .74514  | -.00352 | 36.960   | .24378  | -.00486  | -.01841 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707   | P_1774  | Sr4077   | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm      | ppm     | ppm      | ppm     |
| Avg    | .07297   | .00079  | .00032  | .02912  | -.00259  | -.0730  | .00277   | 4.7329  |
| Stddev | .00268   | .00181  | .00072  | .00012  | .00102   | .0047   | .00004   | .2207   |
| %RSD   | 3.6683   | 229.75  | 227.35  | .42798  | 39.522   | 6.427   | 1.2763   | 4.6637  |
| #1     | .07486   | -.00049 | .00082  | .02903  | -.00331  | -.0697  | .00279   | 4.5768  |
| #2     | .07108   | .00207  | -.00019 | .02921  | -.00187  | -.0763  | .00274   | 4.8890  |

Sample Name: LR CHECK 2      Acquired: 12/11/2018 13:27:23      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .66250 |
| Stddev | .15305 |
| %RSD   | 23.102 |

|    |        |
|----|--------|
| #1 | .77072 |
| #2 | .55427 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3159.7 | 45332. | 2304.1 | 96.200 | 3436.8 |
| Stddev    | 8.1    | 93.    | 10.4   | 2.369  | 15.5   |
| %RSD      | .25722 | .20440 | .45336 | 2.4624 | .45216 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3165.4 | 45397. | 2311.5 | 97.875 | 3447.8 |
| #2 | 3153.9 | 45266. | 2296.7 | 94.525 | 3425.8 |

Sample Name: J6269-01DLX10      Acquired: 12/11/2018 13:31:47      Type: Unk  
Method: P4-ICP2(v2642)      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    | .00747 | -.00150 | 7.3131 | -.01829 | .00822 | 9.5967 | .13947 |
| Stddev | .00211 | .00070  | .0302  | .00148  | .00052 | .0572  | .00190 |
| %RSD   | 28.321 | 46.917  | .41237 | 8.1067  | 6.3392 | .59602 | 1.3649 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00597 | -.00100 | 7.2918 | -.01934 | .00858 | 9.5563 | .14082 |
| #2 | .00896 | -.00199 | 7.3345 | -.01724 | .00785 | 9.6372 | .13812 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00095 | -.00201 | 5.2121 | .04338 | .01950 | .17220 | 191.05 |
| Stddev | .00010 | .00017  | .0023  | .00021 | .00019 | .00009 | .67    |
| %RSD   | 10.279 | 8.2684  | .04497 | .48826 | .98396 | .05453 | .35271 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00088 | -.00213 | 5.2104 | .04353 | .01936 | .17227 | 191.53 |
| #2 | .00101 | -.00189 | 5.2137 | .04323 | .01964 | .17214 | 190.57 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .99184 | 2.9189 | .04397 | -.00673 | .43510 | .03324 | .58967 |
| Stddev | .00248 | .0106  | .00098 | .00050  | .00828 | .00017 | .00588 |
| %RSD   | .25005 | .36408 | 2.2340 | 7.4864  | 1.9022 | .51077 | .99766 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .99009 | 2.9114 | .04466 | -.00637 | .44095 | .03336 | .59383 |
| #2 | .99359 | 2.9264 | .04327 | -.00708 | .42925 | .03312 | .58551 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .57172 | .00155 | -.08979 | 1.6574 | .34260 | .02726 | .19264 |
| Stddev | .01295 | .00015 | .00864  | .0106  | .01111 | .00011 | .00402 |
| %RSD   | 2.2645 | 9.3619 | 9.6226  | .64154 | 3.2426 | .38773 | 2.0888 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | .58087 | .00145 | -.08368 | 1.6499 | .35045 | .02718 | .19548 |
| #2 | .56256 | .00166 | -.09590 | 1.6650 | .33474 | .02733 | .18979 |

Sample Name: J6269-01DLX10      Acquired: 12/11/2018 13:31:47      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .00970 | .8236  | -.19104 | 2.4294 | F<.00000 |
| Stddev | .00016 | .0018  | .00067  | .1602  | .15750   |
| %RSD   | 1.6668 | .2159  | .35067  | 6.5939 | .46167   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .00959 | .8224 | -.19152 | 2.3162 | -34.004 |
| #2 | .00982 | .8249 | -.19057 | 2.5427 | -34.227 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3494.1 | 47214. | 2393.3 | 99.945 | 3673.4 |
| Stddev    | 3.7    | 37.    | 20.4   | .901   | 6.9    |
| %RSD      | .10709 | .07835 | .85295 | .90114 | .18890 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3491.4 | 47240. | 2378.9 | 99.308 | 3678.4 |
| #2 | 3496.7 | 47188. | 2407.8 | 100.58 | 3668.5 |

Sample Name: J6282-04DLX10      Acquired: 12/11/2018 13:35:47      Type: Unk  
Method: P4-ICP2(v2642)      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    | .04942 | -.00368 | .03654 | -.00733 | .00123 | 78.007 | .20732 | .00400 |
| Stddev | .00287 | .00017  | .00098 | .00574  | .00081 | .785   | .00024 | .00010 |
| %RSD   | 5.8141 | 4.4873  | 2.6848 | 78.349  | 65.586 | 1.0066 | .11780 | 2.5303 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .04739 | -.00357 | .03585 | -.01139 | .00066 | 77.452 | .20715 | .00407 |
| #2 | .05145 | -.00380 | .03724 | -.00327 | .00180 | 78.562 | .20749 | .00393 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00171 | 59.859 | .10242 | .03656 | .07516 | 79.359 | 1.9658 | 36.818 |
| Stddev | .00001  | .442   | .00117 | .00001 | .00089 | .168   | .0066  | .129   |
| %RSD   | .52275  | .73882 | 1.1376 | .02179 | 1.1853 | .21121 | .33851 | .34919 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00170 | 59.547 | .10160 | .03656 | .07579 | 79.241 | 1.9611 | 36.909 |
| #2 | -.00171 | 60.172 | .10325 | .03657 | .07453 | 79.478 | 1.9705 | 36.727 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .07710 | -.00281 | 44.418 | .15332 | .20777 | 18.567 | .00136 | .02785 |
| Stddev | .00004 | .00065  | .305   | .00110 | .00037 | .127   | .00007 | .00445 |
| %RSD   | .05782 | 23.220  | .68595 | .71658 | .17635 | .68159 | 5.2259 | 15.962 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .07707 | -.00328 | 44.203 | .15254 | .20751 | 18.477 | .00131 | .03100 |
| #2 | .07713 | -.00235 | 44.634 | .15410 | .20803 | 18.656 | .00141 | .02471 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.6198 | 1.2087 | .00318 | .98761 | .10881 | 1.269  | .58668 | 3.4881 |
| Stddev | .0366  | .0174  | .00065 | .00766 | .00153 | .001   | .00278 | .2030  |
| %RSD   | .55261 | 1.4433 | 20.500 | .77556 | 1.4027 | .0686  | .47440 | 5.8208 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 6.6456 | 1.1963 | .00364 | .98220 | .10773 | 1.269 | .58471 | 3.3446 |
| #2 | 6.5939 | 1.2210 | .00272 | .99303 | .10989 | 1.270 | .58865 | 3.6317 |

Sample Name: J6282-04DLX10      Acquired: 12/11/2018 13:35:47      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .40399  
%RSD      58.021

#1      -.98195  
#2      -.41062

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3475.7 | 46872. | 2451.3 | 98.342 | 3453.5 |
| Stddev    | 1.6    | 249.   | 9.9    | .127   | 3.7    |
| %RSD      | .04551 | .53135 | .40478 | .12871 | .10697 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3474.6 | 47048. | 2458.3 | 98.432 | 3450.8 |
| #2 | 3476.8 | 46696. | 2444.3 | 98.253 | 3456.1 |

Sample Name: J6269-02      Acquired: 12/11/2018 13:39:43      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OILY-SOIL      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00173 | -.00500 | 19.333 | .00231 | .01021 | .07188 | .29415 | .00002 |
| Stddev | .00034  | .00187  | .005   | .00019 | .00098 | .00336 | .00306 | .00003 |
| %RSD   | 19.688  | 37.327  | .02503 | 8.1161 | 9.6091 | 4.6740 | 1.0394 | 160.48 |

|    |         |         |        |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|--------|---------|
| #1 | -.00148 | -.00368 | 19.337 | .00244 | .01090 | .06951 | .29631 | -.00000 |
| #2 | -.00197 | -.00632 | 19.330 | .00218 | .00951 | .07426 | .29199 | .00005  |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00319 | 19.851 | -.00893 | .01861 | -.05565 | 14.703 | 1.0409 | .90992 |
| Stddev | .00010 | .049   | .00012  | .00014 | .00015  | .138   | .0004  | .08973 |
| %RSD   | 3.1221 | .24459 | 1.3445  | .77343 | .26178  | .94151 | .04359 | 9.8619 |

|    |        |        |         |        |         |        |        |        |
|----|--------|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00312 | 19.886 | -.00885 | .01872 | -.05575 | 14.605 | 1.0412 | .97337 |
| #2 | .00326 | 19.817 | -.00902 | .01851 | -.05554 | 14.801 | 1.0405 | .84647 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .05092 | -.00080 | 304.43 | .00052 | .33908 | .66033 | -.00063 | -.00537 |
| Stddev | .00030 | .00013  | 1.26   | .00005 | .00290 | .00496 | .00005  | .00650  |
| %RSD   | .59409 | 16.728  | .41242 | 10.049 | .85517 | .75171 | 8.2339  | 121.05  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .05113 | -.00071 | 303.54 | .00056 | .33703 | .66384 | -.00067 | -.00077 |
| #2 | .05071 | -.00090 | 305.32 | .00048 | .34113 | .65682 | -.00059 | -.00997 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .76131 | .71451 | .00024 | .00510 | .00091 | .0012  | .07335 | 4.5786 |
| Stddev | .00097 | .00431 | .00062 | .00144 | .00000 | .0010  | .00050 | .0097  |
| %RSD   | .12707 | .60341 | 263.17 | 28.343 | .26111 | 87.11  | .68700 | .21081 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .76062 | .71147 | -.00020 | .00612 | .00091 | .0004 | .07371 | 4.5854 |
| #2 | .76199 | .71756 | .00068  | .00407 | .00091 | .0019 | .07300 | 4.5717 |

Sample Name: J6269-02      Acquired: 12/11/2018 13:39:43      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OILY-SOIL      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.3136 |
| Stddev | .0039  |
| %RSD   | .09038 |

|    |        |
|----|--------|
| #1 | 4.3108 |
| #2 | 4.3163 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3331.3 | 44678. | 2349.2 | 97.483 | 3474.0 |
| Stddev    | 18.8   | 79.    | 2.7    | .742   | 10.4   |
| %RSD      | .56450 | .17681 | .11657 | .76163 | .29846 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3318.0 | 44622. | 2351.2 | 98.008 | 3466.7 |
| #2 | 3344.6 | 44734. | 2347.3 | 96.958 | 3481.4 |

Sample Name: J6337-01      Acquired: 12/11/2018 13:43:48      Type: Unk  
Method: P4-ICP2(v2642)      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    | .05681 | -.01532 | .71556 | -.01229 | .01834 | 292.49 | .87844 |
| Stddev | .00310 | .00187  | .00257 | .00200  | .00120 | 2.24   | .00320 |
| %RSD   | 5.4629 | 12.210  | .35916 | 16.237  | 6.5504 | .76637 | .36434 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .05901 | -.01400 | .71738 | -.01371 | .01919 | 290.91 | .88070 |
| #2 | .05462 | -.01664 | .71375 | -.01088 | .01749 | 294.08 | .87618 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01092 | -.00187 | 20.763 | .39328 | .19634 | .37410 | 502.64 |
| Stddev | .00002 | .00100  | .021   | .00197 | .00023 | .00230 | 8.59   |
| %RSD   | .15502 | 53.269  | .10175 | .50060 | .11745 | .61565 | 1.7082 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01093 | -.00116 | 20.778 | .39189 | .19650 | .37573 | 496.57 |
| #2 | .01091 | -.00257 | 20.748 | .39467 | .19618 | .37248 | 508.71 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 8.2213 | 103.39 | .67602 | -.00286 | 1.7812 | .58993 | 1.9192 |
| Stddev | .0589  | .70    | .00023 | .00100  | .0230  | .00018 | .0251  |
| %RSD   | .71595 | .67716 | .03473 | 34.855  | 1.2909 | .03077 | 1.3100 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 8.1797 | 103.89 | .67585 | -.00357 | 1.7975 | .59006 | 1.9014 |
| #2 | 8.2629 | 102.90 | .67618 | -.00216 | 1.7649 | .58981 | 1.9370 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.2820 | .00202 | -.01446 | 4.3327 | 4.4742 | .02681 | 2.6426 |
| Stddev | .0481  | .00005 | .00841  | .0027  | .0362  | .00014 | .0284  |
| %RSD   | .58100 | 2.6657 | 58.159  | .06309 | .80988 | .51257 | 1.0755 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 8.3160 | .00198 | -.02041 | 4.3307 | 4.4998 | .02672 | 2.6627 |
| #2 | 8.2480 | .00206 | -.00852 | 4.3346 | 4.4485 | .02691 | 2.6225 |

Sample Name: J6337-01      Acquired: 12/11/2018 13:43:48      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .28710 | F 12.21 | -.43925 | <.00000 | F<.00000 |
| Stddev | .00088 | .01     | .00920  | .02654  | .18866   |
| %RSD   | .30820 | .1202   | 2.0951  | 1.7494  | .10391   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .28773 | 12.22 | -.43274 | -1.5356 | -181.43 |
| #2 | .28648 | 12.20 | -.44575 | -1.4981 | -181.70 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3973.0 | 53683. | 2905.5 | 96.796 | 3266.9 |
| Stddev    | 10.8   | 82.    | 20.1   | 1.343  | 12.6   |
| %RSD      | .27291 | .15339 | .69302 | 1.3876 | .38615 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3965.4 | 53741. | 2891.3 | 97.745 | 3257.9 |
| #2 | 3980.7 | 53625. | 2919.7 | 95.846 | 3275.8 |

Sample Name: J6337-02      Acquired: 12/11/2018 13:47:49      Type: Unk  
Method: P4-ICP2(v2642)      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    | .04428 | -.01732 | .38112 | -.01021 | .01537 | 286.89 | .80397 |
| Stddev | .00155 | .00086  | .00524 | .00088  | .00036 | 1.09   | .00756 |
| %RSD   | 3.5076 | 4.9400  | 1.3758 | 8.6490  | 2.3380 | .37913 | .94024 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04319 | -.01671 | .37741 | -.00958 | .01512 | 287.66 | .80931 |
| #2 | .04538 | -.01792 | .38483 | -.01083 | .01563 | 286.12 | .79862 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01051 | .00269 | 17.481 | .33125 | .20259 | .46078 | 495.43 |
| Stddev | .00012 | .00162 | .109   | .00115 | .00013 | .00294 | 16.88  |
| %RSD   | 1.1729 | 60.105 | .62204 | .34770 | .06235 | .63772 | 3.4076 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01042 | .00155 | 17.558 | .33043 | .20268 | .45870 | 507.37 |
| #2 | .01059 | .00383 | 17.404 | .33206 | .20250 | .46286 | 483.49 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.5686 | 111.05 | 1.0864 | -.00454 | 1.4537 | .56423 | 3.5912 |
| Stddev | .0313  | 1.06   | .0012  | .00287  | .0204  | .00382 | .1275  |
| %RSD   | .41361 | .95547 | .10675 | 63.043  | 1.4052 | .67757 | 3.5505 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.5907 | 111.80 | 1.0873 | -.00252 | 1.4681 | .56153 | 3.6813 |
| #2 | 7.5464 | 110.30 | 1.0856 | -.00657 | 1.4393 | .56694 | 3.5010 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.3368 | .00020 | -.01912 | 2.4482 | 4.4090 | .01818 | 3.2009 |
| Stddev | .0952  | .00006 | .01973  | .0104  | .0341  | .00057 | .0097  |
| %RSD   | 1.1420 | 31.260 | 103.23  | .42700 | .77295 | 3.1183 | .30427 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 8.4041 | .00025 | -.00516 | 2.4556 | 4.4331 | .01778 | 3.2077 |
| #2 | 8.2694 | .00016 | -.03307 | 2.4408 | 4.3849 | .01858 | 3.1940 |

Sample Name: J6337-02      Acquired: 12/11/2018 13:47:49      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .28316 | F 11.74 | -.44565 | <.00000 | F<.00000 |
| Stddev | .00040 | .03     | .01806  | .28277  | 1.9347   |
| %RSD   | .14141 | .2787   | 4.0521  | 24.852  | 1.0998   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .28344 | 11.76 | -.45842 | -.93789 | -174.54 |
| #2 | .28287 | 11.71 | -.43288 | -1.3378 | -177.28 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3938.8 | 53131. | 2892.7 | 96.209 | 3255.1 |
| Stddev    | 4.8    | 163.   | 26.9   | 3.351  | 3.0    |
| %RSD      | .12071 | .30655 | .92931 | 3.4831 | .09278 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3935.4 | 53016. | 2873.7 | 93.839 | 3252.9 |
| #2 | 3942.2 | 53247. | 2911.7 | 98.578 | 3257.2 |

Sample Name: J6337-02DUP      Acquired: 12/11/2018 13:51:51      Type: Unk  
Method: P4-ICP2(v2642)      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    | .04680 | -.01650 | .37418 | -.01020 | .01751 | 283.70 | .79031 |
| Stddev | .00157 | .00076  | .00293 | .00406  | .00015 | 2.00   | .00907 |
| %RSD   | 3.3642 | 4.6152  | .78388 | 39.807  | .84047 | .70542 | 1.1481 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04791 | -.01703 | .37210 | -.00733 | .01741 | 285.12 | .79673 |
| #2 | .04568 | -.01596 | .37625 | -.01308 | .01762 | 282.29 | .78390 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01034 | .00224 | 17.208 | .33169 | .20064 | .45750 | 494.96 |
| Stddev | .00010 | .00013 | .112   | .00097 | .00089 | .00165 | 1.83   |
| %RSD   | .95486 | 5.9069 | .64856 | .29309 | .44265 | .35961 | .36923 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01041 | .00233 | 17.287 | .33238 | .20001 | .45633 | 493.66 |
| #2 | .01027 | .00215 | 17.129 | .33100 | .20127 | .45866 | 496.25 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.5055 | 110.42 | 1.0603 | -.00365 | 1.3999 | .55848 | 3.6121 |
| Stddev | .0604  | 1.17   | .0016  | .00057  | .0327  | .00022 | .0324  |
| %RSD   | .80457 | 1.0589 | .14952 | 15.688  | 2.3366 | .03946 | .89594 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.5482 | 111.25 | 1.0592 | -.00405 | 1.4231 | .55832 | 3.5893 |
| #2 | 7.4628 | 109.60 | 1.0614 | -.00324 | 1.3768 | .55863 | 3.6350 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.2335 | .00084 | .01730 | 2.4291 | 4.3438 | .01820 | 3.1572 |
| Stddev | .1108  | .00072 | .00360 | .0004  | .0178  | .00015 | .0398  |
| %RSD   | 1.3451 | 85.207 | 20.826 | .01822 | .41007 | .81409 | 1.2593 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.3118 | .00033 | .01475 | 2.4288 | 4.3312 | .01830 | 3.1854 |
| #2 | 8.1552 | .00135 | .01985 | 2.4294 | 4.3563 | .01809 | 3.1291 |

Sample Name: J6337-02DUP      Acquired: 12/11/2018 13:51:51      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .28073 | F 11.61 | -.44783 | <.00000 | F<.00000 |
| Stddev | .00282 | .04     | .00251  | .23827  | 1.1378   |
| %RSD   | 1.0042 | .3636   | .56121  | 21.454  | .64429   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .28272 | 11.64 | -.44605 | -.94214 | -177.40 |
| #2 | .27874 | 11.58 | -.44960 | -1.2791 | -175.79 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3939.2 | 53166. | 2892.1 | 95.245 | 3263.4 |
| Stddev    | 4.7    | 313.   | 15.0   | .844   | 2.3    |
| %RSD      | .11876 | .58915 | .51814 | .88639 | .07007 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3935.9 | 52945. | 2881.5 | 95.842 | 3261.8 |
| #2 | 3942.5 | 53388. | 2902.7 | 94.648 | 3265.0 |

Sample Name: J6337-02LX5      Acquired: 12/11/2018 13:55:53      Type: Unk  
Method: P4-ICP2(v2642)      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    | .01014 | -.00414 | .07978 | -.00607 | .00724 | 64.425 | .19111 |
| Stddev | .00131 | .00102  | .00011 | .00005  | .00073 | .381   | .00112 |
| %RSD   | 12.905 | 24.612  | .13206 | .80591  | 10.096 | .59096 | .58815 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01107 | -.00342 | .07985 | -.00610 | .00775 | 64.156 | .19031 |
| #2 | .00922 | -.00486 | .07970 | -.00604 | .00672 | 64.695 | .19190 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00229 | -.00057 | 4.2481 | .07897 | .04002 | .11825 | 100.93 |
| Stddev | .00002 | .00016  | .0261  | .00090 | .00039 | .00045 | 1.29   |
| %RSD   | 1.0375 | 27.742  | .61471 | 1.1372 | .97118 | .37884 | 1.2808 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00227 | -.00046 | 4.2296 | .07834 | .03974 | .11857 | 100.02 |
| #2 | .00231 | -.00068 | 4.2666 | .07961 | .04029 | .11794 | 101.85 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.8644 | 26.366 | .21315 | -.00312 | .23326 | .13136 | .76193 |
| Stddev | .0044  | .137   | .00037 | .00007  | .00514 | .00006 | .00700 |
| %RSD   | .23561 | .51989 | .17393 | 2.1196  | 2.2017 | .04237 | .91895 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.8613 | 26.269 | .21341 | -.00316 | .22963 | .13132 | .75698 |
| #2 | 1.8675 | 26.463 | .21289 | -.00307 | .23689 | .13140 | .76688 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.8627 | .00010 | -.04023 | .47655 | 1.0786 | .00313 | .75075 |
| Stddev | .0084  | .00019 | .00037  | .00542 | .0047  | .00001 | .00177 |
| %RSD   | .45317 | 197.90 | .92412  | 1.1374 | .43997 | .29513 | .23611 |

|    |        |         |         |        |        |        |        |
|----|--------|---------|---------|--------|--------|--------|--------|
| #1 | 1.8687 | -.00004 | -.03996 | .48038 | 1.0752 | .00313 | .74949 |
| #2 | 1.8568 | .00023  | -.04049 | .47271 | 1.0819 | .00314 | .75200 |

Sample Name: J6337-02LX5      Acquired: 12/11/2018 13:55:53      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .06398 | 2.314  | -.08820 | 3.2092 | F<.00000 |
| Stddev | .00041 | .003   | .00129  | .0490  | .08647   |
| %RSD   | .63968 | .1411  | 1.4663  | 1.5267 | .99975   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .06427 | 2.311 | -.08728 | 3.1745 | -8.5879 |
| #2 | .06369 | 2.316 | -.08911 | 3.2438 | -8.7102 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3576.0 | 48254. | 2514.8 | 99.379 | 3638.4 |
| Stddev    | 6.4    | 83.    | 2.2    | .847   | 1.4    |
| %RSD      | .17948 | .17172 | .08877 | .85277 | .03743 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3571.4 | 48313. | 2516.4 | 99.978 | 3637.4 |
| #2 | 3580.5 | 48196. | 2513.2 | 98.780 | 3639.4 |

Sample Name: J6337-02MS      Acquired: 12/11/2018 13:59:50      Type: Unk  
Method: P4-ICP2(v2642)      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    | .69257 | 1.8908 | 1.3631 | 1.5108 | .09854 | 302.09 | .99976 |
| Stddev | .00082 | .0121  | .0054  | .0046  | .00173 | .08    | .00176 |
| %RSD   | .11824 | .63820 | .39684 | .30683 | 1.7567 | .02717 | .17603 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .69315 | 1.8822 | 1.3669 | 1.5141 | .09977 | 302.14 | 1.0010 |
| #2 | .69199 | 1.8993 | 1.3592 | 1.5075 | .09732 | 302.03 | .99851 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18053 | .19899 | 19.767 | .69036 | .41255 | .78370 | 503.85 |
| Stddev | .00091 | .00150 | .183   | .00029 | .00011 | .00609 | 15.53  |
| %RSD   | .50508 | .75533 | .92455 | .04253 | .02675 | .77699 | 3.0823 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17988 | .20006 | 19.637 | .69057 | .41263 | .78801 | 492.87 |
| #2 | .18117 | .19793 | 19.896 | .69016 | .41248 | .77940 | 514.84 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.8699 | 125.82 | 1.5865 | .05646 | 3.7991 | .83521 | 4.1589 |
| Stddev | .0224  | .07    | .0050  | .00215 | .0180  | .00127 | .1449  |
| %RSD   | .28476 | .05801 | .31408 | 3.8164 | .47389 | .15166 | 3.4850 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.8540 | 125.77 | 1.5900 | .05493 | 3.8118 | .83432 | 4.0564 |
| #2 | 7.8857 | 125.88 | 1.5829 | .05798 | 3.7864 | .83611 | 4.2613 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.311 | .30370 | .17902 | 2.3349 | 4.3907 | .61237 | 3.9757 |
| Stddev | .030   | .00072 | .01659 | .0062  | .0642  | .00184 | .0196  |
| %RSD   | .17283 | .23565 | 9.2690 | .26482 | 1.4626 | .30051 | .49288 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.332 | .30420 | .16729 | 2.3305 | 4.3453 | .61106 | 3.9896 |
| #2 | 17.290 | .30319 | .19076 | 2.3392 | 4.4361 | .61367 | 3.9619 |

Sample Name: J6337-02MS      Acquired: 12/11/2018 13:59:50      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .48749 | F 16.81 | -.26539 | <.00000 | F<.00000 |
| Stddev | .00010 | .01     | .01497  | .00336  | 1.3190   |
| %RSD   | .01956 | .0849   | 5.6395  | .35689  | .72879   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .48742 | 16.80 | -.25481 | -.94522 | -180.05 |
| #2 | .48756 | 16.82 | -.27597 | -.94046 | -181.92 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3910.9 | 52956. | 2834.3 | 94.781 | 3225.4 |
| Stddev    | 10.2   | 52.    | 8.3    | 3.186  | 4.2    |
| %RSD      | .25961 | .09842 | .29402 | 3.3609 | .12876 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3903.7 | 52919. | 2840.2 | 97.034 | 3222.5 |
| #2 | 3918.1 | 52993. | 2828.4 | 92.529 | 3228.3 |

Sample Name: CCV02      Acquired: 12/11/2018 14:11:58      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0749 | 4.9443 | 4.9644 | 4.9929 | 5.0992 | 10.226 | 10.593 | .24940 |
| Stddev | .0063  | .0034  | .0041  | .0052  | .0137  | .056   | .057   | .00048 |
| %RSD   | .12331 | .06818 | .08323 | .10334 | .26874 | .54285 | .53644 | .19421 |
| #1     | 5.0794 | 4.9467 | 4.9673 | 4.9965 | 5.1088 | 10.187 | 10.633 | .24974 |
| #2     | 5.0705 | 4.9420 | 4.9614 | 4.9892 | 5.0895 | 10.265 | 10.553 | .24906 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4479 | 27.292 | 1.0217 | 2.4630 | 1.2696 | 4.8355 | 2.5174 | 26.282 |
| Stddev | .0001  | .200   | .0003  | .0022  | .0014  | .0319  | .0037  | .041   |
| %RSD   | .00320 | .73327 | .02554 | .08788 | .11438 | .65916 | .14588 | .15564 |
| #1     | 2.4479 | 27.433 | 1.0219 | 2.4646 | 1.2707 | 4.8580 | 2.5200 | 26.311 |
| #2     | 2.4480 | 27.150 | 1.0215 | 2.4615 | 1.2686 | 4.8129 | 2.5148 | 26.253 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4407 | 1.2265 | 25.631 | 2.4367 | 2.4511 | 26.264 | 5.0850 | 5.2709 |
| Stddev | .0045  | .0031  | .108   | .0072  | .0086  | .113   | .0157  | .0211  |
| %RSD   | .18361 | .25171 | .42236 | .29474 | .35098 | .43195 | .30780 | .40063 |
| #1     | 2.4375 | 1.2287 | 25.708 | 2.4418 | 2.4572 | 26.344 | 5.0961 | 5.2858 |
| #2     | 2.4438 | 1.2243 | 25.555 | 2.4316 | 2.4450 | 26.183 | 5.0740 | 5.2560 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8749 | 5.2519 | 4.9287 | 5.2304 | 5.2927 | 4.873  | 5.4960 | 4.5861 |
| Stddev | .0053  | .0439  | .0091  | .0148  | .0217  | .011   | .0337  | .0981  |
| %RSD   | .10962 | .83631 | .18509 | .28313 | .41015 | .2312  | .61387 | 2.1391 |
| #1     | 4.8787 | 5.2830 | 4.9352 | 5.2409 | 5.3080 | 4.881  | 5.5198 | 4.5167 |
| #2     | 4.8711 | 5.2209 | 4.9223 | 5.2199 | 5.2773 | 4.865  | 5.4721 | 4.6555 |

Sample Name: CCV02      Acquired: 12/11/2018 14:11:58      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.1226 |
| Stddev | .0817    |
| %RSD   | 3.8494   |

|    |        |
|----|--------|
| #1 | 2.1804 |
| #2 | 2.0648 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3346.9 | 45519. | 2373.6 | 98.308 | 3478.4 |
| Stddev    | 13.6   | 13.    | 25.6   | .440   | 7.6    |
| %RSD      | .40650 | .02898 | 1.0772 | .44726 | .21859 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3337.2 | 45510. | 2355.5 | 97.997 | 3473.1 |
| #2 | 3356.5 | 45528. | 2391.7 | 98.619 | 3483.8 |

Sample Name: CCB02      Acquired: 12/11/2018 14:15:43      Type: Unk  
Method: P4-ICP2(v2642)      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    | -.00131 | -.00047 | .00018  | .00061  | .00195  | -.00464 | .00343  | -.00007  |
| Stddev | .00186  | .00001  | .00025  | .00075  | .00041  | .00517  | .00085  | .00002   |
| %RSD   | 141.43  | 1.2082  | 139.08  | 123.29  | 21.018  | 111.26  | 24.856  | 37.316   |
| #1     | -.00263 | -.00047 | .00000  | .00114  | .00166  | -.00829 | .00282  | -.00008  |
| #2     | .00000  | -.00046 | .00035  | .00008  | .00224  | -.00099 | .00403  | -.00005  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00001 | .00998  | -.00026 | -.00015 | -.00036 | .01060  | -.00010 | -.00529  |
| Stddev | .00010  | .00864  | .00028  | .00009  | .00006  | .00163  | .00006  | .00786   |
| %RSD   | 944.63  | 86.569  | 108.68  | 58.316  | 17.140  | 15.430  | 60.103  | 148.62   |
| #1     | .00006  | .01609  | -.00045 | -.00009 | -.00032 | .00944  | -.00015 | -.01084  |
| #2     | -.00008 | .00387  | -.00006 | -.00021 | -.00040 | .01175  | -.00006 | .00027   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00018  | -.00033 | -.19284 | .00025  | -.00007 | -.08992 | .00009  | -.00747  |
| Stddev | .00036  | .00043  | .01710  | .00036  | .00011  | .03839  | .00029  | .00044   |
| %RSD   | 199.61  | 130.40  | 8.8693  | 144.06  | 144.78  | 42.700  | 330.08  | 5.9142   |
| #1     | -.00007 | -.00063 | -.18074 | .00050  | .00000  | -.11706 | .00029  | -.00778  |
| #2     | .00043  | -.00003 | -.20493 | -.00000 | -.00015 | -.06277 | -.00012 | -.00716  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00206  | .00667  | -.00047 | .00457  | -.00262 | .0002   | -.00012 | F 3.8429 |
| Stddev | .00133  | .00158  | .00017  | .00053  | .00121  | .0003   | .00005  | .0113    |
| %RSD   | 64.767  | 23.728  | 37.102  | 11.634  | 46.131  | 144.6   | 37.791  | .29308   |
| #1     | .00112  | .00779  | -.00034 | .00494  | -.00176 | -.0000  | -.00009 | 3.8349   |
| #2     | .00300  | .00555  | -.00059 | .00419  | -.00347 | .0004   | -.00015 | 3.8508   |

Sample Name: CCB02      Acquired: 12/11/2018 14:15:43      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F .33506  
 Stddev      .02532  
 %RSD      7.5566

#1      .31716  
 #2      .35296

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3471.5 | 47086. | 2387.4 | 102.12 | 3849.9 |
| Stddev    | 13.9   | 123.   | 16.4   | .22    | 22.8   |
| %RSD      | .40108 | .26091 | .68715 | .21350 | .59166 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3461.6 | 47000. | 2375.8 | 101.97 | 3833.8 |
| #2 | 3481.3 | 47173. | 2399.0 | 102.28 | 3866.0 |

Sample Name: J6337-02MSD      Acquired: 12/11/2018 14:19:48      Type: Unk  
Method: P4-ICP2(v2642)      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    | .70303 | 1.9067 | 1.3676 | 1.5305 | .10276 | 304.21 | 1.0105 |
| Stddev | .00006 | .0005  | .0011  | .0005  | .00149 | 1.08   | .0012  |
| %RSD   | .00836 | .02622 | .07893 | .03054 | 1.4500 | .35481 | .11965 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .70299 | 1.9071 | 1.3668 | 1.5302 | .10381 | 303.44 | 1.0113 |
| #2 | .70307 | 1.9064 | 1.3683 | 1.5308 | .10171 | 304.97 | 1.0096 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18101 | .19990 | 19.764 | .69164 | .41550 | .78822 | 510.76 |
| Stddev | .00069 | .00177 | .109   | .00121 | .00013 | .00469 | 12.77  |
| %RSD   | .37947 | .88463 | .54981 | .17433 | .03120 | .59483 | 2.4996 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18053 | .19865 | 19.687 | .69249 | .41559 | .78490 | 519.78 |
| #2 | .18150 | .20115 | 19.841 | .69079 | .41541 | .79153 | 501.73 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.8807 | 125.24 | 1.5946 | .05740 | 3.8606 | .83874 | 4.2100 |
| Stddev | .0333  | .68    | .0003  | .00190 | .0175  | .00105 | .1172  |
| %RSD   | .42215 | .54265 | .01548 | 3.3151 | .45228 | .12543 | 2.7849 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.9042 | 125.72 | 1.5947 | .05875 | 3.8730 | .83799 | 4.2929 |
| #2 | 7.8572 | 124.76 | 1.5944 | .05606 | 3.8483 | .83948 | 4.1271 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.392 | .30604 | .19712 | 2.3716 | 4.3415 | .61899 | 3.9843 |
| Stddev | .024   | .00206 | .01681 | .0103  | .0064  | .00318 | .0090  |
| %RSD   | .13946 | .67446 | 8.5303 | .43284 | .14728 | .51304 | .22574 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.409 | .30458 | .20901 | 2.3643 | 4.3460 | .61674 | 3.9906 |
| #2 | 17.375 | .30750 | .18523 | 2.3788 | 4.3369 | .62123 | 3.9779 |

Sample Name: J6337-02MSD      Acquired: 12/11/2018 14:19:48      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .48729 | F 16.90 | -.27166 | <.00000 | F<.00000 |
| Stddev | .00088 | .01     | .01468  | .05001  | .65840   |
| %RSD   | .18055 | .0344   | 5.4031  | 5.0950  | .35905   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .48667 | 16.91 | -.28204 | -.94619 | -182.91 |
| #2 | .48791 | 16.90 | -.26128 | -1.0169 | -183.84 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3907.8 | 53026. | 2847.6 | 94.108 | 3228.4 |
| Stddev    | .3     | 133.   | 13.5   | 2.677  | 5.3    |
| %RSD      | .00693 | .25158 | .47425 | 2.8448 | .16339 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3908.0 | 52932. | 2838.1 | 92.215 | 3224.6 |
| #2 | 3907.6 | 53121. | 2857.2 | 96.001 | 3232.1 |

Sample Name: J6337-02A      Acquired: 12/11/2018 14:23:47      Type: Unk  
Method: P4-ICP2(v2642)      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    | .69112 | 1.8990 | 1.3581 | 1.5162 | .10082 | 303.58 | 1.0125 |
| Stddev | .01274 | .0104  | .0175  | .0078  | .00142 | 1.19   | .0012  |
| %RSD   | 1.8437 | .54881 | 1.2887 | .51689 | 1.4095 | .39174 | .11771 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .68211 | 1.8916 | 1.3457 | 1.5107 | .09981 | 302.74 | 1.0117 |
| #2 | .70013 | 1.9064 | 1.3704 | 1.5217 | .10182 | 304.42 | 1.0134 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18150 | .19875 | 19.775 | .69112 | .41237 | .77961 | 505.64 |
| Stddev | .00063 | .00393 | .162   | .00207 | .00302 | .00926 | 9.19   |
| %RSD   | .34556 | 1.9797 | .82029 | .29966 | .73251 | 1.1882 | 1.8172 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18105 | .19597 | 19.660 | .68966 | .41023 | .77306 | 512.13 |
| #2 | .18194 | .20154 | 19.890 | .69259 | .41450 | .78616 | 499.14 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.8913 | 126.49 | 1.5821 | .05632 | 3.8613 | .83963 | 4.1495 |
| Stddev | .0006  | .68    | .0136  | .00231 | .0168  | .00259 | .0452  |
| %RSD   | .00807 | .54071 | .85791 | 4.1009 | .43508 | .30847 | 1.0899 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.8908 | 126.98 | 1.5725 | .05795 | 3.8494 | .83779 | 4.1815 |
| #2 | 7.8917 | 126.01 | 1.5917 | .05469 | 3.8732 | .84146 | 4.1175 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.459 | .30417 | .18505 | 2.3439 | 4.3629 | .61242 | 3.9846 |
| Stddev | .010   | .00304 | .00500 | .0224  | .0423  | .01002 | .0173  |
| %RSD   | .05492 | .99858 | 2.7038 | .95686 | .96940 | 1.6362 | .43391 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.452 | .30202 | .18859 | 2.3280 | 4.3330 | .60533 | 3.9968 |
| #2 | 17.466 | .30631 | .18151 | 2.3597 | 4.3928 | .61950 | 3.9723 |

Sample Name: J6337-02A      Acquired: 12/11/2018 14:23:47      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .48732 | F 16.71 | -.26597 | <.00000 | F<.00000 |
| Stddev | .00111 | .14     | .01153  | .10102  | .11374   |
| %RSD   | .22839 | .8505   | 4.3352  | 9.7178  | .06256   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .48811 | 16.61 | -.27413 | -1.1110 | -181.88 |
| #2 | .48653 | 16.81 | -.25782 | -.96813 | -181.72 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3931.8 | 53020. | 2837.4 | 95.172 | 3249.8 |
| Stddev    | 26.2   | 188.   | 8.6    | 1.232  | 25.6   |
| %RSD      | .66661 | .35536 | .30296 | 1.2944 | .78893 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3950.4 | 53153. | 2843.5 | 94.300 | 3267.9 |
| #2 | 3913.3 | 52887. | 2831.4 | 96.043 | 3231.6 |

Sample Name: J6337-03      Acquired: 12/11/2018 14:27:44      Type: Unk  
 Method: P4-ICP2(v2642)      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    | .20260 | -.01349 | 6.4259 | .02092 | .01315 | 230.37 | 3.8425 |
| Stddev | .00051 | .00474  | .0067  | .00358 | .00080 | 2.22   | .0044  |
| %RSD   | .25269 | 35.178  | .10405 | 17.120 | 6.0664 | .96548 | .11464 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .20224 | -.01013 | 6.4212 | .02346 | .01259 | 231.95 | 3.8457 |
| #2 | .20296 | -.01684 | 6.4307 | .01839 | .01371 | 228.80 | 3.8394 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01227 | .00428 | 76.955 | .26487 | .16759 | .43802 | 505.40 |
| Stddev | .00012 | .00026 | .021   | .00063 | .00016 | .00069 | 3.12   |
| %RSD   | .94879 | 5.9672 | .02784 | .23830 | .09360 | .15650 | .61671 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01235 | .00446 | 76.970 | .26442 | .16748 | .43754 | 503.20 |
| #2 | .01219 | .00410 | 76.939 | .26531 | .16770 | .43851 | 507.61 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.369 | 55.629 | .36094 | .00726 | 1.1635 | .49727 | 5.4462 |
| Stddev | .006   | .026   | .00038 | .00077 | .0160  | .00126 | .0763  |
| %RSD   | .05276 | .04662 | .10654 | 10.564 | 1.3775 | .25352 | 1.4007 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.365 | 55.611 | .36121 | .00672 | 1.1748 | .49637 | 5.3922 |
| #2 | 11.374 | 55.647 | .36067 | .00781 | 1.1521 | .49816 | 5.5001 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.6554 | .00335 | .09299 | 5.1864 | 3.4719 | .27751 | 2.0852 |
| Stddev | .0635  | .00005 | .00249 | .0095  | .0599  | .00109 | .0125  |
| %RSD   | .82930 | 1.4141 | 2.6810 | .18320 | 1.7264 | .39289 | .59999 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.6105 | .00331 | .09123 | 5.1797 | 3.4295 | .27674 | 2.0940 |
| #2 | 7.7003 | .00338 | .09476 | 5.1931 | 3.5143 | .27828 | 2.0763 |

Sample Name: J6337-03      Acquired: 12/11/2018 14:27:44      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .21130 | F 32.23 | -.07425 | <.00000 | F<.00000 |
| Stddev | .00096 | .02     | .00333  | .00982  | 1.2998   |
| %RSD   | .45657 | .0637   | 4.4906  | .24661  | .73965   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .21062 | 32.25 | -.07189 | -3.9743 | -174.82 |
| #2 | .21199 | 32.22 | -.07661 | -3.9882 | -176.66 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4484.4 | 61447. | 3341.1 | 95.050 | 3232.4 |
| Stddev    | 6.1    | 147.   | 22.0   | 1.282  | .1     |
| %RSD      | .13712 | .23901 | .65967 | 1.3492 | .00188 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4488.7 | 61343. | 3356.6 | 95.957 | 3232.4 |
| #2 | 4480.0 | 61551. | 3325.5 | 94.144 | 3232.4 |

Sample Name: J6337-04      Acquired: 12/11/2018 14:31:48      Type: Unk  
Method: P4-ICP2(v2642)      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    | .17362 | -.01756 | 4.9007 | .01749 | .01593 | 252.40 | 3.0908 |
| Stddev | .00022 | .00021  | .0113  | .00348 | .00104 | 1.62   | .0036  |
| %RSD   | .12524 | 1.1875  | .23032 | 19.873 | 6.5555 | .64189 | .11664 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .17378 | -.01771 | 4.8927 | .01503 | .01667 | 253.55 | 3.0934 |
| #2 | .17347 | -.01742 | 4.9087 | .01995 | .01519 | 251.26 | 3.0883 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01200 | .00225 | 87.398 | .28481 | .19072 | .47373 | 497.89 |
| Stddev | .00001 | .00148 | .128   | .00017 | .00063 | .00355 | 13.83  |
| %RSD   | .11116 | 65.925 | .14624 | .05833 | .32901 | .74862 | 2.7773 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01201 | .00330 | 87.308 | .28493 | .19028 | .47624 | 488.11 |
| #2 | .01199 | .00120 | 87.489 | .28469 | .19117 | .47122 | 507.67 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.602 | 62.429 | .95120 | .00706 | 1.5903 | .56328 | 4.4007 |
| Stddev | .008   | .352   | .00010 | .00196 | .0014  | .00171 | .1435  |
| %RSD   | .06675 | .56450 | .01072 | 27.688 | .08994 | .30393 | 3.2599 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.596 | 62.180 | .95127 | .00568 | 1.5913 | .56207 | 4.2992 |
| #2 | 11.607 | 62.678 | .95113 | .00845 | 1.5893 | .56449 | 4.5021 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.3593 | .00382 | .11071 | 4.9769 | 3.3994 | .06877 | 2.9334 |
| Stddev | .0121  | .00004 | .04112 | .0144  | .0114  | .00080 | .0041  |
| %RSD   | .14512 | 1.1182 | 37.147 | .29027 | .33593 | 1.1567 | .13911 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.3679 | .00379 | .08163 | 4.9667 | 3.3913 | .06934 | 2.9362 |
| #2 | 8.3507 | .00385 | .13978 | 4.9871 | 3.4075 | .06821 | 2.9305 |

Sample Name: J6337-04      Acquired: 12/11/2018 14:31:48      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .24726 | F 34.83 | -.07187 | <.00000 | F<.00000 |
| Stddev | .00045 | .09     | .01606  | .01408  | 1.6626   |
| %RSD   | .18181 | .2589   | 22.340  | .34066  | .95862   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .24758 | 34.76 | -.06052 | -4.1433 | -172.26 |
| #2 | .24695 | 34.89 | -.08323 | -4.1234 | -174.61 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4467.6 | 61169. | 3276.2 | 94.478 | 3222.9 |
| Stddev    | 17.4   | 107.   | 12.0   | 2.924  | 1.8    |
| %RSD      | .38889 | .17454 | .36608 | 3.0949 | .05468 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4455.3 | 61093. | 3284.6 | 96.546 | 3224.2 |
| #2 | 4479.8 | 61244. | 3267.7 | 92.411 | 3221.7 |

Sample Name: J6337-05      Acquired: 12/11/2018 14:35:52      Type: Unk  
Method: P4-ICP2(v2642)      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    | -.00211 | -.01412 | .16967 | -.00941 | .00948 | 201.18 | .39280 |
| Stddev | .00123  | .00004  | .00083 | .00193  | .00071 | 1.36   | .00132 |
| %RSD   | 58.458  | .28697  | .48697 | 20.515  | 7.5372 | .67399 | .33577 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00124 | -.01409 | .16908 | -.00804 | .00897 | 200.23 | .39373 |
| #2 | -.00298 | -.01415 | .17025 | -.01077 | .00998 | 202.14 | .39186 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00213 | -.00285 | 44.145 | .03403 | .13864 | .33873 | 229.01 |
| Stddev | .00006 | .00075  | .250   | .00031 | .00008 | .00162 | 5.47   |
| %RSD   | 2.8734 | 26.344  | .56683 | .90448 | .05741 | .47824 | 2.3880 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00209 | -.00338 | 43.968 | .03381 | .13870 | .33759 | 232.88 |
| #2 | .00217 | -.00232 | 44.322 | .03425 | .13858 | .33988 | 225.15 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.2577 | 59.376 | .16262 | -.00333 | 56.306 | .42312 | .46647 |
| Stddev | .0457  | .219   | .00014 | .00032  | .216   | .00260 | .01314 |
| %RSD   | .62924 | .36824 | .08835 | 9.5797  | .38329 | .61499 | 2.8176 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.2254 | 59.531 | .16252 | -.00355 | 56.458 | .42128 | .47576 |
| #2 | 7.2899 | 59.222 | .16272 | -.00310 | 56.153 | .42496 | .45717 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.2573 | .00034 | -.02045 | 3.1213 | 5.1313 | .01188 | 6.2388 |
| Stddev | .0446  | .00005 | .01319  | .0072  | .1587  | .00146 | .0065  |
| %RSD   | .71341 | 14.210 | 64.507  | .23087 | 3.0919 | 12.306 | .10414 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 6.2889 | .00037 | -.01112 | 3.1264 | 5.0191 | .01085 | 6.2342 |
| #2 | 6.2258 | .00031 | -.02977 | 3.1162 | 5.2435 | .01291 | 6.2434 |

Sample Name: J6337-05      Acquired: 12/11/2018 14:35:52      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .07137 | 4.859  | -.05847 | 1.5447 | F<.00000 |
| Stddev | .00291 | .008   | .00671  | .1310  | .51653   |
| %RSD   | 4.0742 | .1689  | 11.479  | 8.4774 | 1.0548   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .06932 | 4.854 | -.06322 | 1.6373 | -48.604 |
| #2 | .07343 | 4.865 | -.05373 | 1.4521 | -49.335 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3562.5 | 48988. | 2636.3 | 97.303 | 3348.1 |
| Stddev    | .5     | 46.    | 14.3   | 2.723  | 1.7    |
| %RSD      | .01389 | .09385 | .54216 | 2.7988 | .05221 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3562.2 | 49021. | 2626.2 | 95.377 | 3346.8 |
| #2 | 3562.9 | 48956. | 2646.4 | 99.229 | 3349.3 |

Sample Name: J6337-06      Acquired: 12/11/2018 14:39:56      Type: Unk  
Method: P4-ICP2(v2642)      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    | -.00130 | -.01174 | .13695 | -.01259 | .00852 | 145.66 | .33304 |
| Stddev | .00135  | .00067  | .00076 | .00380  | .00148 | .50    | .00134 |
| %RSD   | 103.60  | 5.6684  | .55443 | 30.204  | 17.325 | .34203 | .40152 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00035 | -.01127 | .13641 | -.00990 | .00747 | 145.31 | .33398 |
| #2 | -.00226 | -.01221 | .13748 | -.01528 | .00956 | 146.01 | .33209 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00168 | -.00250 | 41.242 | .02591 | .11268 | .23493 | 190.06 |
| Stddev | .00014 | .00056  | .012   | .00055 | .00002 | .00162 | 4.78   |
| %RSD   | 8.3201 | 22.292  | .02789 | 2.1328 | .02117 | .69034 | 2.5159 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00158 | -.00289 | 41.250 | .02552 | .11266 | .23378 | 193.44 |
| #2 | .00178 | -.00210 | 41.234 | .02631 | .11269 | .23608 | 186.68 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.9062 | 52.246 | .18489 | -.00328 | 38.388 | .34195 | .39801 |
| Stddev | .0279  | .388   | .00013 | .00106  | .166   | .00019 | .00980 |
| %RSD   | .47257 | .74220 | .06789 | 32.221  | .43117 | .05424 | 2.4624 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.9259 | 52.520 | .18481 | -.00253 | 38.505 | .34208 | .40494 |
| #2 | 5.8865 | 51.972 | .18498 | -.00403 | 38.271 | .34182 | .39108 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7436 | .00045 | -.02031 | 3.0583 | 4.1946 | .00843 | 4.8013 |
| Stddev | .0302  | .00043 | .00696  | .0106  | .0116  | .00062 | .0517  |
| %RSD   | .63662 | 95.922 | 34.280  | .34732 | .27734 | 7.2977 | 1.0779 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 4.7650 | .00014 | -.01538 | 3.0658 | 4.1864 | .00800 | 4.8379 |
| #2 | 4.7223 | .00075 | -.02523 | 3.0508 | 4.2029 | .00887 | 4.7647 |

Sample Name: J6337-06      Acquired: 12/11/2018 14:39:56      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .05320 | 4.142  | -.04410 | 1.6618 | F<.00000 |
| Stddev | .00018 | .006   | .00476  | .0075  | .55371   |
| %RSD   | .33094 | .1507  | 10.783  | .45292 | 1.6669   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .05307 | 4.138 | -.04746 | 1.6565 | -32.827 |
| #2 | .05332 | 4.147 | -.04074 | 1.6671 | -33.610 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3569.1 | 49025. | 2622.0 | 98.033 | 3437.1 |
| Stddev    | 6.8    | 13.    | 13.1   | 2.652  | 11.5   |
| %RSD      | .18968 | .02680 | .50089 | 2.7049 | .33575 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3564.3 | 49035. | 2612.7 | 96.158 | 3428.9 |
| #2 | 3573.9 | 49016. | 2631.3 | 99.908 | 3445.2 |

Sample Name: J6337-07      Acquired: 12/11/2018 14:43:59      Type: Unk  
Method: P4-ICP2(v2642)      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    | .04718 | -.01159 | .42997 | .01315 | .00623 | 204.70 | .87424 |
| Stddev | .00079 | .00162  | .00362 | .00036 | .00223 | 1.65   | .00303 |
| %RSD   | 1.6828 | 13.975  | .84221 | 2.7226 | 35.820 | .80581 | .34681 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .04662 | -.01045 | .43253 | .01290 | .00465 | 203.53 | .87638 |
| #2 | .04774 | -.01274 | .42741 | .01340 | .00781 | 205.86 | .87209 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01112 | -.00216 | 22.470 | .42697 | .13941 | .13155 | 379.37 |
| Stddev | .00003 | .00063  | .091   | .00458 | .00026 | .00120 | 4.91   |
| %RSD   | .23805 | 29.017  | .40569 | 1.0725 | .18352 | .91321 | 1.2943 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01111 | -.00172 | 22.534 | .42373 | .13959 | .13240 | 375.90 |
| #2 | .01114 | -.00261 | 22.405 | .43020 | .13923 | .13070 | 382.84 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.8963 | 33.512 | .40482 | .00527 | .59179 | .44841 | 1.0609 |
| Stddev | .0656  | .197   | .00078 | .00020 | .00762 | .00263 | .0168  |
| %RSD   | .66313 | .58927 | .19211 | 3.7759 | 1.2869 | .58575 | 1.5877 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.8498 | 33.652 | .40537 | .00513 | .59718 | .44655 | 1.0490 |
| #2 | 9.9427 | 33.372 | .40427 | .00542 | .58641 | .45027 | 1.0728 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.3129 | .00618 | .07730 | 5.3016 | 3.8009 | .02866 | 1.6380 |
| Stddev | .0092  | .00014 | .01648 | .0180  | .0960  | .00076 | .0005  |
| %RSD   | .21252 | 2.3084 | 21.325 | .33862 | 2.5251 | 2.6693 | .03299 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.3064 | .00628 | .06565 | 5.3143 | 3.8688 | .02811 | 1.6384 |
| #2 | 4.3194 | .00608 | .08896 | 5.2889 | 3.7330 | .02920 | 1.6376 |

Sample Name: J6337-07      Acquired: 12/11/2018 14:43:59      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .15758 | F 13.61 | -.24961 | <.00000 | F<.00000 |
| Stddev | .00046 | .03     | .00527  | .25610  | 4.4273   |
| %RSD   | .29270 | .2535   | 2.1125  | 5.9630  | 3.8310   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .15725 | 13.64 | -.24588 | -4.4758 | -112.43 |
| #2 | .15791 | 13.59 | -.25334 | -4.1137 | -118.70 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4653.3 | 63583. | 3426.3 | 96.918 | 3376.4 |
| Stddev    | 6.6    | 493.   | 9.8    | 1.443  | 11.6   |
| %RSD      | .14216 | .77513 | .28540 | 1.4893 | .34437 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4648.6 | 63932. | 3419.3 | 97.939 | 3368.2 |
| #2 | 4658.0 | 63235. | 3433.2 | 95.897 | 3384.6 |

Sample Name: J6337-08      Acquired: 12/11/2018 14:48:00      Type: Unk  
Method: P4-ICP2(v2642)      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    | .02083 | -.00837 | .17383 | .00403 | .00701 | 199.91 | .75851 |
| Stddev | .00041 | .00090  | .00109 | .00062 | .00101 | 7.05   | .00608 |
| %RSD   | 1.9528 | 10.710  | .62588 | 15.450 | 14.455 | 3.5276 | .80160 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02112 | -.00900 | .17460 | .00359 | .00772 | 204.90 | .76281 |
| #2 | .02054 | -.00774 | .17306 | .00447 | .00629 | 194.92 | .75421 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00857 | -.00552 | 36.948 | .20623 | .14996 | .07356 | 346.43 |
| Stddev | .00013 | .00086  | .287   | .00912 | .00024 | .00178 | 8.43   |
| %RSD   | 1.4970 | 15.601  | .77732 | 4.4213 | .15820 | 2.4133 | 2.4343 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00866 | -.00491 | 37.151 | .21267 | .15013 | .07481 | 340.47 |
| #2 | .00848 | -.00612 | 36.745 | .19978 | .14980 | .07230 | 352.39 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 10.688 | 31.538 | .19873 | -.00113 | .78532 | .50862 | .64552 |
| Stddev | .315   | .104   | .00161 | .00255  | .00312 | .01857 | .01855 |
| %RSD   | 2.9456 | .33103 | .81060 | 226.41  | .39734 | 3.6514 | 2.8736 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.910 | 31.612 | .19987 | -.00293 | .78753 | .52175 | .63240 |
| #2 | 10.465 | 31.464 | .19759 | .00068  | .78312 | .49549 | .65864 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.2369 | .00214 | .01055 | 1.6197 | 7.2057 | .01404 | 1.1565 |
| Stddev | .0098  | .00038 | .01091 | .0029  | .0325  | .00054 | .0044  |
| %RSD   | .30298 | 17.636 | 103.49 | .17721 | .45043 | 3.8583 | .37847 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.2300 | .00241 | .00283 | 1.6217 | 7.1828 | .01366 | 1.1534 |
| #2 | 3.2439 | .00187 | .01826 | 1.6177 | 7.2287 | .01442 | 1.1596 |

Sample Name: J6337-08      Acquired: 12/11/2018 14:48:00      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .17701 | 6.410  | .04148 | <.00000 | F<.00000 |
| Stddev | .00055 | .002   | .01300 | .61621  | .57142   |
| %RSD   | .30794 | .0332  | 31.340 | 40.551  | .56702   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .17662 | 6.412 | .05067 | -1.0838 | -101.18 |
| #2 | .17740 | 6.409 | .03229 | -1.9553 | -100.37 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4232.0 | 56500. | 3103.9 | 97.694 | 3400.9 |
| Stddev    | 13.4   | 1892.  | 13.9   | 2.415  | 11.9   |
| %RSD      | .31635 | 3.3483 | .44849 | 2.4721 | .35105 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4222.5 | 55162. | 3094.0 | 99.402 | 3392.4 |
| #2 | 4241.4 | 57838. | 3113.7 | 95.986 | 3409.3 |

Sample Name: J6337-09      Acquired: 12/11/2018 14:52:02      Type: Unk  
Method: P4-ICP2(v2642)      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    | .09417 | -.01156 | .31165 | -.00401 | .00748 | 152.25 | .59367 |
| Stddev | .00203 | .00160  | .00468 | .00462  | .00063 | .55    | .00223 |
| %RSD   | 2.1530 | 13.864  | 1.5033 | 115.39  | 8.4504 | .35932 | .37543 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .09273 | -.01042 | .31497 | -.00727 | .00703 | 152.64 | .59210 |
| #2 | .09560 | -.01269 | .30834 | -.00074 | .00793 | 151.87 | .59525 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00456 | -.00176 | 250.55 | .10667 | .12242 | .35732 | 283.06 |
| Stddev | .00010 | .00037  | 1.31   | .00002 | .00049 | .00013 | 1.79   |
| %RSD   | 2.2933 | 21.131  | .52290 | .02175 | .39965 | .03630 | .63368 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00449 | -.00150 | 249.63 | .10669 | .12277 | .35723 | 281.79 |
| #2 | .00464 | -.00202 | 251.48 | .10666 | .12208 | .35741 | 284.33 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.8471 | 62.814 | .20767 | -.00313 | 1.8491 | .61912 | .94110 |
| Stddev | .0453  | .121   | .00055 | .00011  | .0155  | .00093 | .00536 |
| %RSD   | .77462 | .19230 | .26597 | 3.4894  | .83735 | .14992 | .56972 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.8150 | 62.729 | .20806 | -.00321 | 1.8381 | .61847 | .93731 |
| #2 | 5.8791 | 62.900 | .20728 | -.00306 | 1.8600 | .61978 | .94489 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.6504 | .00227 | .02040 | 6.8980 | 2.9234 | .01968 | 2.7481 |
| Stddev | .0293  | .00049 | .00064 | .0111  | .1121  | .00119 | .0108  |
| %RSD   | .51805 | 21.607 | 3.1136 | .16070 | 3.8340 | 6.0342 | .39355 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.6297 | .00192 | .02085 | 6.9059 | 2.8441 | .01884 | 2.7405 |
| #2 | 5.6711 | .00262 | .01995 | 6.8902 | 3.0026 | .02052 | 2.7557 |

Sample Name: J6337-09      Acquired: 12/11/2018 14:52:02      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .13161 | 7.041  | .50253 | .42942 | F<.00000 |
| Stddev | .00044 | .018   | .00128 | .10821 | 1.1320   |
| %RSD   | .33449 | .2557  | .25382 | 25.198 | 1.5367   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .13130 | 7.054 | .50163 | .50593 | -72.867 |
| #2 | .13193 | 7.028 | .50343 | .35290 | -74.468 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3741.5 | 51739. | 2802.6 | 96.468 | 3282.0 |
| Stddev    | 5.9    | 220.   | 10.7   | .572   | 11.2   |
| %RSD      | .15698 | .42554 | .38032 | .59303 | .34030 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3737.3 | 51583. | 2810.1 | 96.873 | 3274.1 |
| #2 | 3745.6 | 51895. | 2795.1 | 96.064 | 3289.9 |

Sample Name: J6337-10      Acquired: 12/11/2018 14:56:04      Type: Unk  
Method: P4-ICP2(v2642)      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    | .23838 | -.02003 | .27672 | -.00507 | .01152 | 229.73 | .59954 |
| Stddev | .00148 | .00066  | .00104 | .00465  | .00017 | .52    | .00064 |
| %RSD   | .61931 | 3.3034  | .37444 | 91.739  | 1.4547 | .22618 | .10658 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .23734 | -.01956 | .27599 | -.00835 | .01140 | 229.36 | .59909 |
| #2 | .23943 | -.02049 | .27745 | -.00178 | .01163 | 230.09 | .59999 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00685 | -.00436 | 113.58 | .14384 | .23602 | .43852 | 453.98 |
| Stddev | .00008 | .00191  | .56    | .00021 | .00142 | .00096 | 16.10  |
| %RSD   | 1.1895 | 43.704  | .49745 | .14509 | .60319 | .21915 | 3.5465 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00691 | -.00301 | 113.18 | .14370 | .23501 | .43920 | 442.60 |
| #2 | .00680 | -.00571 | 113.98 | .14399 | .23702 | .43784 | 465.36 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 11.553 | 77.974 | .41542 | -.00301 | 3.2125 | .91972 | .93458 |
| Stddev | .026   | .077   | .00180 | .00181  | .0034  | .00237 | .02653 |
| %RSD   | .22280 | .09838 | .43361 | 60.262  | .10682 | .25720 | 2.8386 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 11.572 | 78.028 | .41414 | -.00429 | 3.2100 | .91804 | .91582 |
| #2 | 11.535 | 77.920 | .41669 | -.00173 | 3.2149 | .92139 | .95334 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.3234 | .00098 | -.01470 | 4.0650 | 3.6728 | .02087 | 7.8417 |
| Stddev | .0297  | .00043 | .01960  | .0055  | .0599  | .00005 | .0006  |
| %RSD   | .55848 | 44.490 | 133.32  | .13529 | 1.6304 | .22819 | .00834 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 5.3024 | .00067 | -.02856 | 4.0612 | 3.7151 | .02090 | 7.8422 |
| #2 | 5.3444 | .00128 | -.00084 | 4.0689 | 3.6304 | .02083 | 7.8412 |

Sample Name: J6337-10      Acquired: 12/11/2018 14:56:04      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .17436 | 8.664  | -.12429 | <.00000 | F<.00000 |
| Stddev | .00075 | .002   | .01671  | .10858  | .24912   |
| %RSD   | .43095 | .0250  | 13.442  | 15.291  | .16283   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .17489 | 8.662 | -.11247 | -.63332 | -153.17 |
| #2 | .17383 | 8.665 | -.13610 | -.78688 | -152.82 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3811.0 | 52415. | 2849.9 | 95.127 | 3249.1 |
| Stddev    | .7     | 222.   | 10.8   | 2.798  | 3.4    |
| %RSD      | .01962 | .42345 | .37737 | 2.9412 | .10444 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3810.5 | 52258. | 2842.3 | 97.106 | 3246.7 |
| #2 | 3811.6 | 52572. | 2857.5 | 93.149 | 3251.5 |

Sample Name: CCV03      Acquired: 12/11/2018 15:00:06      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |        |        |         |        |        |
|--------|----------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | 4.7330   | 4.6256 | 4.6230 | 4.6768 | 4.7787 | 9.6214  | 9.8846 | .23334 |
| Stddev | .0017    | .0095  | .0055  | .0022  | .0004  | .0292   | .0667  | .00130 |
| %RSD   | .03586   | .20455 | .11940 | .04751 | .00756 | .30345  | .67498 | .55767 |
| #1     | 4.7342   | 4.6323 | 4.6269 | 4.6784 | 4.7785 | 9.6007  | 9.9317 | .23242 |
| #2     | 4.7318   | 4.6189 | 4.6191 | 4.6752 | 4.7790 | 9.6420  | 9.8374 | .23426 |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | 2.2777   | 25.496 | .95857 | 2.2980 | 1.1890 | 4.5234  | 2.3662 | 24.387 |
| Stddev | .0046    | .000   | .00962 | .0050  | .0012  | .0019   | .0108  | .238   |
| %RSD   | .20367   | .00129 | 1.0039 | .21559 | .10379 | .04194  | .45527 | .97468 |
| #1     | 2.2810   | 25.496 | .95177 | 2.3015 | 1.1899 | 4.5248  | 2.3586 | 24.555 |
| #2     | 2.2744   | 25.496 | .96538 | 2.2945 | 1.1881 | 4.5221  | 2.3738 | 24.219 |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | 2.2811   | 1.1499 | 23.946 | 2.2957 | 2.2803 | 24.424  | 4.7205 | 4.8574 |
| Stddev | .0028    | .0006  | .182   | .0003  | .0095  | .062    | .0018  | .0042  |
| %RSD   | .12458   | .04755 | .75919 | .01296 | .41849 | .25421  | .03864 | .08611 |
| #1     | 2.2831   | 1.1503 | 24.074 | 2.2959 | 2.2736 | 24.467  | 4.7218 | 4.8603 |
| #2     | 2.2791   | 1.1496 | 23.817 | 2.2955 | 2.2871 | 24.380  | 4.7192 | 4.8544 |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | F 4.4850 | 4.8395 | 4.5424 | 4.8085 | 4.9209 | F 4.489 | 5.0509 | 4.5049 |
| Stddev | .0075    | .0153  | .0036  | .0406  | .0214  | .005    | .0150  | .1921  |
| %RSD   | .16734   | .31583 | .07956 | .84396 | .43456 | .1230   | .29789 | 4.2654 |
| #1     | 4.4903   | 4.8287 | 4.5449 | 4.8372 | 4.9360 | 4.493   | 5.0403 | 4.3691 |
| #2     | 4.4797   | 4.8503 | 4.5398 | 4.7798 | 4.9057 | 4.485   | 5.0615 | 4.6408 |

Sample Name: CCV03      Acquired: 12/11/2018 15:00:06      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.8542 |
| Stddev | .2063    |
| %RSD   | 11.127   |

|    |        |
|----|--------|
| #1 | 1.7083 |
| #2 | 2.0001 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3355.7 | 45567. | 2392.5 | 99.060 | 3502.7 |
| Stddev    | 13.6   | 118.   | 5.1    | .047   | 16.8   |
| %RSD      | .40392 | .25865 | .21217 | .04757 | .48018 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3346.1 | 45650. | 2388.9 | 99.094 | 3490.8 |
| #2 | 3365.3 | 45484. | 2396.1 | 99.027 | 3514.6 |

Sample Name: CCB03      Acquired: 12/11/2018 15:03:51      Type: Unk  
Method: P4-ICP2(v2642)      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    | .00023  | -.00167 | .00057  | -.00134 | .00188  | .00251  | .00306  | .00002   |
| Stddev | .00509  | .00134  | .00152  | .00051  | .00339  | .00367  | .00106  | .00003   |
| %RSD   | 2257.0  | 80.046  | 267.39  | 37.933  | 179.94  | 146.13  | 34.748  | 183.38   |
| #1     | .00382  | -.00073 | .00164  | -.00170 | -.00051 | -.00008 | .00231  | .00004   |
| #2     | -.00337 | -.00262 | -.00051 | -.00098 | .00428  | .00511  | .00381  | -.00001  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00001  | .03192  | -.00050 | .00002  | .00041  | .00537  | -.00007 | .00377   |
| Stddev | .00007  | .00012  | .00014  | .00031  | .00005  | .00577  | .00004  | .01881   |
| %RSD   | 784.15  | .36127  | 27.663  | 1840.8  | 13.177  | 107.52  | 49.140  | 498.94   |
| #1     | -.00004 | .03184  | -.00040 | -.00020 | .00045  | .00945  | -.00005 | .01707   |
| #2     | .00006  | .03200  | -.00060 | .00024  | .00037  | .00129  | -.00010 | -.00953  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00014 | .00031  | -.21491 | .00044  | .00002  | -.10535 | .00021  | -.00447  |
| Stddev | .00055  | .00009  | .03045  | .00002  | .00002  | .03526  | .00006  | .00665   |
| %RSD   | 383.58  | 29.430  | 14.170  | 4.1799  | 137.49  | 33.467  | 28.332  | 148.74   |
| #1     | -.00053 | .00037  | -.19338 | .00042  | .00003  | -.13028 | .00017  | -.00917  |
| #2     | .00025  | .00024  | -.23644 | .00045  | .00000  | -.08042 | .00025  | .00023   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00023 | .01150  | -.00010 | .00296  | -.00109 | .0000   | -.00001 | F 3.7895 |
| Stddev | .00061  | .00363  | .00077  | .00266  | .00030  | .0015   | .00010  | .2530    |
| %RSD   | 259.33  | 31.526  | 805.42  | 90.025  | 28.025  | 14660.  | 745.06  | 6.6773   |
| #1     | .00020  | .01406  | -.00064 | .00107  | -.00130 | -.0011  | -.00009 | 3.6105   |
| #2     | -.00066 | .00894  | .00045  | .00484  | -.00087 | .0011   | .00006  | 3.9684   |

Sample Name: CCB03      Acquired: 12/11/2018 15:03:51      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .07811  
Stddev      .14123  
%RSD      180.82

#1      .17798  
#2      -.02176

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3457.5 | 46892. | 2405.1 | 100.20 | 3841.4 |
| Stddev    | 5.2    | 303.   | 21.6   | .39    | 31.9   |
| %RSD      | .15094 | .64593 | .89670 | .39403 | .83142 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3453.8 | 47106. | 2389.9 | 100.48 | 3818.8 |
| #2 | 3461.2 | 46677. | 2420.4 | 99.917 | 3864.0 |

Sample Name: J6337-11      Acquired: 12/11/2018 15:07:56      Type: Unk  
Method: P4-ICP2(v2642)      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    | .04577 | -.01108 | .65405 | .01986 | .00791 | 179.96 | .80380 |
| Stddev | .00166 | .00253  | .00124 | .00526 | .00098 | .69    | .00321 |
| %RSD   | 3.6206 | 22.829  | .19022 | 26.494 | 12.410 | .38491 | .39984 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .04460 | -.00929 | .65493 | .02359 | .00721 | 179.47 | .80607 |
| #2 | .04694 | -.01287 | .65317 | .01614 | .00860 | 180.45 | .80153 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00838 | -.00340 | 28.364 | .15884 | .12394 | .16073 | 367.80 |
| Stddev | .00004 | .00048  | .053   | .00025 | .00035 | .00144 | 3.65   |
| %RSD   | .46470 | 14.265  | .18602 | .15461 | .28112 | .89438 | .99161 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00835 | -.00374 | 28.401 | .15902 | .12370 | .15971 | 370.37 |
| #2 | .00841 | -.00306 | 28.327 | .15867 | .12419 | .16175 | 365.22 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.7043 | 30.569 | .25583 | .00461 | .57735 | .57302 | 1.2717 |
| Stddev | .0429  | .121   | .00013 | .00038 | .00966 | .00095 | .0177  |
| %RSD   | .55707 | .39439 | .05088 | 8.3004 | 1.6733 | .16614 | 1.3949 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.6739 | 30.654 | .25592 | .00488 | .58418 | .57235 | 1.2843 |
| #2 | 7.7346 | 30.484 | .25573 | .00434 | .57052 | .57370 | 1.2592 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6955 | .00333 | .08546 | 4.4930 | 3.1310 | .03015 | 1.5241 |
| Stddev | .0143  | .00012 | .00911 | .0246  | .0396  | .00058 | .0044  |
| %RSD   | .30522 | 3.4728 | 10.657 | .54709 | 1.2646 | 1.9137 | .28893 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.7057 | .00325 | .09190 | 4.4757 | 3.1590 | .02974 | 1.5210 |
| #2 | 4.6854 | .00341 | .07902 | 4.5104 | 3.1030 | .03056 | 1.5272 |

Sample Name: J6337-11      Acquired: 12/11/2018 15:07:56      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .12501 | 9.142  | -.29675 | <.00000 | F<.00000 |
| Stddev | .00054 | .036   | .00398  | .16220  | 1.2782   |
| %RSD   | .43512 | .3977  | 1.3426  | 3.9710  | 1.1975   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .12539 | 9.168 | -.29957 | -3.9698 | -107.64 |
| #2 | .12462 | 9.117 | -.29393 | -4.1992 | -105.83 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4609.4 | 63205. | 3393.0 | 95.556 | 3393.9 |
| Stddev    | 4.1    | 20.    | 20.8   | 1.329  | 6.4    |
| %RSD      | .08827 | .03156 | .61390 | 1.3907 | .18985 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4606.5 | 63191. | 3378.3 | 94.617 | 3389.4 |
| #2 | 4612.2 | 63219. | 3407.7 | 96.496 | 3398.5 |

Sample Name: J6337-12      Acquired: 12/11/2018 15:11:58      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04702 | -.02122 | .22079 | .15008 | .01607 | 309.64 | 1.4931 |
| Stddev | .00132 | .00255  | .00014 | .00385 | .00081 | .62    | .0018  |
| %RSD   | 2.8116 | 12.017  | .06386 | 2.5684 | 5.0428 | .20055 | .11824 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .04795 | -.02302 | .22089 | .15281 | .01665 | 309.20 | 1.4943 |
| #2 | .04608 | -.01942 | .22069 | .14736 | .01550 | 310.07 | 1.4918 |

|        |        |         |        |        |        |        |          |
|--------|--------|---------|--------|--------|--------|--------|----------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01451 | -.00725 | 28.450 | .23914 | .31383 | .00332 | F 1195.0 |
| Stddev | .00028 | .00026  | .213   | .00068 | .00095 | .00151 | .1       |
| %RSD   | 1.9003 | 3.5745  | .74761 | .28243 | .30231 | 45.619 | .00552   |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01431 | -.00743 | 28.300 | .23962 | .31316 | .00225 | 1194.9 |
| #2 | .01470 | -.00706 | 28.600 | .23866 | .31450 | .00439 | 1195.0 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 23.489 | 24.569 | .31664 | .05817 | .71261 | 1.4584 | .98481 |
| Stddev | .015   | .007   | .00025 | .00161 | .00156 | .0000  | .00238 |
| %RSD   | .06537 | .02683 | .07824 | 2.7624 | .21827 | .00137 | .24156 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 23.500 | 24.574 | .31647 | .05703 | .71151 | 1.4584 | .98649 |
| #2 | 23.478 | 24.565 | .31682 | .05930 | .71371 | 1.4584 | .98313 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.4321 | .00258 | .77576 | 5.2799 | 2.0447 | .03327 | 1.6593 |
| Stddev | .0161  | .00023 | .00064 | .0295  | .0202  | .00026 | .0089  |
| %RSD   | .36360 | 8.7298 | .08303 | .55784 | .98560 | .78825 | .53376 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.4435 | .00274 | .77531 | 5.2591 | 2.0589 | .03345 | 1.6656 |
| #2 | 4.4207 | .00242 | .77622 | 5.3008 | 2.0304 | .03308 | 1.6530 |

Sample Name: J6337-12      Acquired: 12/11/2018 15:11:58      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |           |         |         |
|-----------|--------|--------|-----------|---------|---------|
| Elem      | Li6707 | P_1774 | Sr4077    | U_3670  | U_3859  |
| Units     | ppm    | ppm    | ppm       | ppm     | ppm     |
| Avg       | .12115 | 8.965  | F -1.1744 | <.00000 | ^ ***** |
| Stddev    | .00005 | .019   | .0004     | .01338  | -----   |
| %RSD      | .04073 | .2136  | .03855    | .08187  | -----   |
| #1        | .12118 | 8.952  | -1.1748   | -16.353 | ^ ----- |
| #2        | .12111 | 8.979  | -1.1741   | -16.334 | ^ ----- |
| Int. Std. | Y_2243 | Y_3600 | Y_3710    | In2306  | In2306  |
| Units     | Cts/S  | Cts/S  | Cts/S     | Cts/S   | Cts/S   |
| Avg       | 6263.5 | 85387. | 4757.6    | 87.470  | 2983.0  |
| Stddev    | 5.4    | 336.   | 16.6      | .256    | 2.5     |
| %RSD      | .08589 | .39375 | .34840    | .29250  | .08372  |
| #1        | 6259.7 | 85149. | 4745.9    | 87.289  | 2981.3  |
| #2        | 6267.3 | 85625. | 4769.4    | 87.651  | 2984.8  |

Sample Name: J6337-13      Acquired: 12/11/2018 15:16:00      Type: Unk  
Method: P4-ICP2(v2642)      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    | .06106 | -.01666 | .63491 | .01644 | .01332 | 280.39 | 1.2889 |
| Stddev | .00199 | .00142  | .00351 | .00568 | .00149 | .18    | .0039  |
| %RSD   | 3.2523 | 8.5051  | .55323 | 34.565 | 11.175 | .06329 | .30161 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .06246 | -.01767 | .63243 | .02046 | .01227 | 280.51 | 1.2917 |
| #2 | .05965 | -.01566 | .63739 | .01242 | .01437 | 280.26 | 1.2862 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01172 | -.00376 | 20.506 | .28370 | .16558 | .33326 | 521.19 |
| Stddev | .00017 | .00110  | .055   | .00104 | .00053 | .00289 | 12.51  |
| %RSD   | 1.4579 | 29.319  | .26612 | .36576 | .31975 | .86674 | 2.4001 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01160 | -.00454 | 20.467 | .28297 | .16595 | .33121 | 530.03 |
| #2 | .01184 | -.00298 | 20.544 | .28444 | .16520 | .33530 | 512.34 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.033 | 58.203 | .34362 | .00305 | .45079 | .77562 | 1.4666 |
| Stddev | .024   | .424   | .00055 | .00157 | .00248 | .00150 | .0257  |
| %RSD   | .23983 | .72796 | .16055 | 51.368 | .54968 | .19315 | 1.7554 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.016 | 58.503 | .34323 | .00416 | .44903 | .77457 | 1.4848 |
| #2 | 10.050 | 57.903 | .34401 | .00194 | .45254 | .77668 | 1.4484 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.5990 | .00350 | .09326 | 6.2426 | 3.1239 | .03048 | 2.3318 |
| Stddev | .0390  | .00005 | .00444 | .0179  | .1082  | .00023 | .0062  |
| %RSD   | .59157 | 1.4724 | 4.7576 | .28718 | 3.4649 | .76691 | .26709 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.5714 | .00353 | .09639 | 6.2553 | 3.0474 | .03064 | 2.3362 |
| #2 | 6.6266 | .00346 | .09012 | 6.2299 | 3.2004 | .03031 | 2.3274 |

Sample Name: J6337-13      Acquired: 12/11/2018 15:16:00      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .18798 | F 14.78 | -.44978 | <.00000 | F<.00000 |
| Stddev | .00011 | .05     | .01433  | .14967  | 1.5184   |
| %RSD   | .05776 | .3485   | 3.1868  | 4.0438  | .82269   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .18806 | 14.82 | -.45991 | -3.5954 | -183.49 |
| #2 | .18790 | 14.74 | -.43964 | -3.8070 | -185.64 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4384.0 | 59742. | 3293.2 | 96.117 | 3272.0 |
| Stddev    | 10.3   | 95.    | 3.1    | 1.888  | 18.1   |
| %RSD      | .23485 | .15905 | .09540 | 1.9643 | .55427 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4376.8 | 59675. | 3295.4 | 94.782 | 3259.2 |
| #2 | 4391.3 | 59809. | 3291.0 | 97.452 | 3284.8 |

Sample Name: J6337-14      Acquired: 12/11/2018 15:20:04      Type: Unk  
Method: P4-ICP2(v2642)      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    | .03184 | -.00712 | .21623 | .00083 | .00836 | 151.31 | .60953 |
| Stddev | .00110 | .00240  | .00072 | .00209 | .00038 | 1.37   | .01101 |
| %RSD   | 3.4651 | 33.725  | .33271 | 251.54 | 4.5294 | .90347 | 1.8071 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03106 | -.00542 | .21674 | .00231  | .00863 | 150.35 | .60174 |
| #2 | .03262 | -.00881 | .21572 | -.00065 | .00809 | 152.28 | .61731 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00484 | -.00424 | 6.1907 | .14857 | .09026 | .28716 | 226.17 |
| Stddev | .00009 | .00017  | .1763  | .00062 | .00000 | .00099 | 1.50   |
| %RSD   | 1.9091 | 4.0170  | 2.8484 | .41419 | .00444 | .34616 | .66155 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00491 | -.00412 | 6.0660 | .14814 | .09026 | .28787 | 225.11 |
| #2 | .00478 | -.00436 | 6.3154 | .14901 | .09026 | .28646 | 227.22 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.1764 | 43.185 | .17550 | -.00298 | .13351 | .32828 | .59322 |
| Stddev | .0403  | .806   | .00067 | .00039  | .01081 | .00085 | .00379 |
| %RSD   | .77828 | 1.8663 | .38358 | 13.057  | 8.0997 | .26005 | .63968 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.1479 | 42.615 | .17503 | -.00270 | .12587 | .32889 | .59053 |
| #2 | 5.2049 | 43.755 | .17598 | -.00325 | .14116 | .32768 | .59590 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.7440 | .00135 | -.02289 | 1.8140 | 5.2263 | .01022 | 2.0997 |
| Stddev | .0947  | .00012 | .02140  | .0022  | .1201  | .00041 | .0434  |
| %RSD   | 2.5284 | 8.5317 | 93.491  | .12137 | 2.2972 | 4.0248 | 2.0676 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 3.6771 | .00143 | -.00776 | 1.8124 | 5.1414 | .01051 | 2.0690 |
| #2 | 3.8109 | .00127 | -.03802 | 1.8155 | 5.3112 | .00993 | 2.1304 |

Sample Name: J6337-14      Acquired: 12/11/2018 15:20:04      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .12351 | 6.205  | -.20860 | 1.0920 | F<.00000 |
| Stddev | .00417 | .005   | .00081  | .2979  | .26042   |
| %RSD   | 3.3743 | .0827  | .38869  | 27.276 | .52457   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .12057 | 6.209 | -.20802 | .88139 | -49.827 |
| #2 | .12646 | 6.201 | -.20917 | 1.3026 | -49.459 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3779.2 | 51193. | 2721.6 | 96.833 | 3523.9 |
| Stddev    | 6.2    | 191.   | 45.7   | .547   | 7.8    |
| %RSD      | .16314 | .37229 | 1.6787 | .56469 | .22127 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3774.9 | 51328. | 2753.9 | 97.219 | 3518.4 |
| #2 | 3783.6 | 51058. | 2689.3 | 96.446 | 3529.5 |

Sample Name: J6337-15      Acquired: 12/11/2018 15:24:09      Type: Unk  
 Method: P4-ICP2(v2642)      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    | .09420 | -.01510 | .48404 | .00647 | .01383 | 338.79 | 1.1230 |
| Stddev | .00071 | .00092  | .00229 | .00096 | .00065 | 1.11   | .0017  |
| %RSD   | .75650 | 6.1191  | .47330 | 14.819 | 4.7212 | .32753 | .14888 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .09370 | -.01445 | .48566 | .00579 | .01429 | 338.01 | 1.1218 |
| #2 | .09471 | -.01575 | .48242 | .00715 | .01337 | 339.58 | 1.1242 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01166 | -.00603 | 9.9133 | .27339 | .20183 | .47877 | 521.84 |
| Stddev | .00002 | .00008  | .0157  | .00181 | .00093 | .00030 | .48    |
| %RSD   | .21062 | 1.3602  | .15798 | .66367 | .46081 | .06344 | .09272 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01168 | -.00597 | 9.9244 | .27468 | .20248 | .47855 | 522.19 |
| #2 | .01164 | -.00609 | 9.9022 | .27211 | .20117 | .47898 | 521.50 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.0500 | 75.413 | .39970 | -.00129 | .75056 | .69881 | 1.3302 |
| Stddev | .0575  | .026   | .00064 | .00107  | .00600 | .00178 | .0003  |
| %RSD   | .63537 | .03449 | .15900 | 82.564  | .79987 | .25458 | .02174 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.0093 | 75.432 | .40015 | -.00204 | .75481 | .69755 | 1.3304 |
| #2 | 9.0907 | 75.395 | .39925 | -.00054 | .74632 | .70006 | 1.3300 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.2872 | .00236 | .03908 | 4.6225 | 3.3386 | .02722 | 2.2213 |
| Stddev | .0158  | .00059 | .00313 | .0039  | .0539  | .00026 | .0088  |
| %RSD   | .29909 | 25.062 | 8.0219 | .08352 | 1.6156 | .97083 | .39479 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.2984 | .00194 | .03686 | 4.6252 | 3.3768 | .02740 | 2.2151 |
| #2 | 5.2761 | .00278 | .04129 | 4.6198 | 3.3005 | .02703 | 2.2275 |

Sample Name: J6337-15      Acquired: 12/11/2018 15:24:09      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .23616 | F 13.14 | -.49569 | <.00000 | F<.00000 |
| Stddev | .00044 | .03     | .00026  | .63628  | 1.1331   |
| %RSD   | .18586 | .2454   | .05203  | 27.918  | .62411   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .23585 | 13.16 | -.49587 | -2.7290 | -180.76 |
| #2 | .23647 | 13.11 | -.49551 | -1.8291 | -182.36 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4087.1 | 55204. | 3074.8 | 94.670 | 3257.2 |
| Stddev    | 9.1    | 280.   | 9.3    | .119   | 13.1   |
| %RSD      | .22388 | .50712 | .30138 | .12534 | .40064 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4080.6 | 55402. | 3081.4 | 94.586 | 3248.0 |
| #2 | 4093.5 | 55006. | 3068.3 | 94.754 | 3266.4 |

Sample Name: J6337-16      Acquired: 12/11/2018 15:28:12      Type: Unk  
Method: P4-ICP2(v2642)      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    | .04266 | -.01295 | .20395 | .01918 | .01084 | 320.67 | 1.4514 |
| Stddev | .00047 | .00174  | .00106 | .00213 | .00106 | .69    | .0098  |
| %RSD   | 1.0913 | 13.441  | .51775 | 11.109 | 9.7881 | .21657 | .67713 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .04299 | -.01419 | .20469 | .01767 | .01009 | 321.16 | 1.4584 |
| #2 | .04233 | -.01172 | .20320 | .02068 | .01159 | 320.18 | 1.4445 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01400 | -.00555 | 5.3934 | .21644 | .17834 | .13531 | 475.77 |
| Stddev | .00003 | .00005  | .0667  | .00082 | .00030 | .00123 | 1.18   |
| %RSD   | .20112 | .83566  | 1.2371 | .37747 | .16695 | .91152 | .24825 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01398 | -.00551 | 5.4405 | .21701 | .17813 | .13619 | 474.94 |
| #2 | .01402 | -.00558 | 5.3462 | .21586 | .17855 | .13444 | 476.61 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.872 | 43.722 | .34362 | .00516 | .54871 | .55614 | 1.1826 |
| Stddev | .096   | .406   | .00244 | .00037 | .00295 | .00159 | .0004  |
| %RSD   | .69284 | .92786 | .70901 | 7.1453 | .53698 | .28621 | .02946 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.940 | 44.009 | .34534 | .00490 | .55079 | .55501 | 1.1824 |
| #2 | 13.804 | 43.435 | .34189 | .00542 | .54662 | .55726 | 1.1829 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8193 | .00375 | .09187 | 4.2021 | 5.6007 | .01930 | 1.7740 |
| Stddev | .0393  | .00029 | .00960 | .0005  | .0368  | .00117 | .0160  |
| %RSD   | .81529 | 7.6457 | 10.452 | .01258 | .65637 | 6.0801 | .90068 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.8471 | .00395 | .08508 | 4.2017 | 5.6267 | .02013 | 1.7853 |
| #2 | 4.7916 | .00355 | .09866 | 4.2025 | 5.5747 | .01847 | 1.7627 |

Sample Name: J6337-16      Acquired: 12/11/2018 15:28:12      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .17609 | F 12.70 | -.47046 | <.00000 | F<.00000 |
| Stddev | .00329 | .02     | .00193  | .43687  | .02545   |
| %RSD   | 1.8702 | .1402   | .40969  | 10.142  | .01579   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .17841 | 12.71 | -.46910 | -3.9985 | -161.17 |
| #2 | .17376 | 12.69 | -.47183 | -4.6164 | -161.20 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4540.3 | 61629. | 3417.6 | 96.433 | 3282.5 |
| Stddev    | 7.1    | 249.   | 30.1   | .130   | 1.9    |
| %RSD      | .15620 | .40388 | .88063 | .13439 | .05784 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4535.3 | 61453. | 3396.4 | 96.524 | 3281.2 |
| #2 | 4545.4 | 61805. | 3438.9 | 96.341 | 3283.9 |

Sample Name: J6337-17      Acquired: 12/11/2018 15:32:12      Type: Unk  
Method: P4-ICP2(v2642)      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    | .06165 | -.01176 | .62978 | .01349 | .01128 | 272.68 | 1.0839 |
| Stddev | .00027 | .00006  | .00330 | .00050 | .00128 | .09    | .0001  |
| %RSD   | .43219 | .54133  | .52336 | 3.7227 | 11.327 | .03145 | .00881 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .06146 | -.01171 | .63211 | .01313 | .01037 | 272.62 | 1.0840 |
| #2 | .06184 | -.01180 | .62745 | .01384 | .01218 | 272.75 | 1.0839 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01064 | -.00486 | 10.846 | .18932 | .13925 | .17871 | 377.76 |
| Stddev | .00004 | .00004  | .034   | .00082 | .00036 | .00047 | 1.03   |
| %RSD   | .42036 | .74761  | .31680 | .43357 | .25916 | .26262 | .27357 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01061 | -.00483 | 10.870 | .18874 | .13899 | .17838 | 377.03 |
| #2 | .01067 | -.00488 | 10.821 | .18990 | .13950 | .17905 | 378.49 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.817 | 39.220 | .26320 | .00281 | .68332 | .51950 | 1.0697 |
| Stddev | .067   | .246   | .00123 | .00005 | .00375 | .00113 | .0059  |
| %RSD   | .56298 | .62668 | .46661 | 1.8804 | .54855 | .21755 | .55169 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.770 | 39.046 | .26407 | .00285 | .68067 | .51870 | 1.0655 |
| #2 | 11.864 | 39.393 | .26233 | .00277 | .68597 | .52030 | 1.0738 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0919 | .00463 | .03648 | 5.5294 | 4.0388 | .03094 | 1.6965 |
| Stddev | .0157  | .00010 | .00664 | .0222  | .0117  | .00000 | .0044  |
| %RSD   | .30765 | 2.2570 | 18.200 | .40121 | .28928 | .00416 | .25973 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.1030 | .00455 | .04117 | 5.5137 | 4.0305 | .03094 | 1.6934 |
| #2 | 5.0809 | .00470 | .03178 | 5.5450 | 4.0470 | .03094 | 1.6996 |

Sample Name: J6337-17      Acquired: 12/11/2018 15:32:12      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .15116 | F 12.11 | -.33711 | <.00000 | F<.00000 |
| Stddev | .00151 | .01     | .00113  | .01107  | .93733   |
| %RSD   | 1.0010 | .1000   | .33381  | .40081  | .83884   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .15009 | 12.12 | -.33632 | -2.7551 | -112.40 |
| #2 | .15223 | 12.10 | -.33791 | -2.7708 | -111.08 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4305.6 | 58795. | 3174.3 | 96.315 | 3386.5 |
| Stddev    | 10.8   | 151.   | 10.2   | .391   | .6     |
| %RSD      | .25132 | .25696 | .32167 | .40595 | .01766 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4313.2 | 58902. | 3181.5 | 96.592 | 3386.1 |
| #2 | 4297.9 | 58688. | 3167.1 | 96.039 | 3386.9 |

Sample Name: J6337-18      Acquired: 12/11/2018 15:36:14      Type: Unk  
Method: P4-ICP2(v2642)      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    | .04876 | -.01171 | .15897 | .00015 | .01273 | 340.03 | 1.6234 |
| Stddev | .00191 | .00077  | .00314 | .00752 | .00325 | .19    | .0045  |
| %RSD   | 3.9150 | 6.5651  | 1.9782 | 4867.8 | 25.524 | .05460 | .27905 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04741 | -.01116 | .16119 | -.00516 | .01503 | 339.90 | 1.6202 |
| #2 | .05011 | -.01225 | .15674 | .00547  | .01043 | 340.16 | 1.6266 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01320 | -.00700 | 5.8837 | .28356 | .16287 | .17582 | 463.35 |
| Stddev | .00006 | .00145  | .0171  | .00052 | .00017 | .00144 | 10.41  |
| %RSD   | .46912 | 20.708  | .29100 | .18477 | .10134 | .81782 | 2.2477 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01325 | -.00597 | 5.8715 | .28393 | .16275 | .17684 | 455.98 |
| #2 | .01316 | -.00802 | 5.8958 | .28319 | .16298 | .17481 | 470.71 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 8.5501 | 52.202 | .36440 | -.00255 | .54968 | .53599 | 1.0220 |
| Stddev | .0189  | .252   | .00170 | .00177  | .00356 | .00040 | .0174  |
| %RSD   | .22123 | .48182 | .46679 | 69.475  | .64703 | .07496 | 1.7067 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 8.5634 | 52.024 | .36560 | -.00380 | .54717 | .53570 | 1.0096 |
| #2 | 8.5367 | 52.380 | .36319 | -.00130 | .55220 | .53627 | 1.0343 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.4232 | .00326 | .01435 | 2.6610 | 6.2191 | .01623 | 1.6521 |
| Stddev | .0221  | .00002 | .00225 | .0087  | .0077  | .00024 | .0155  |
| %RSD   | .34438 | .69928 | 15.698 | .32707 | .12323 | 1.4514 | .93674 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.4076 | .00328 | .01594 | 2.6548 | 6.2245 | .01606 | 1.6412 |
| #2 | 6.4388 | .00325 | .01275 | 2.6671 | 6.2137 | .01639 | 1.6631 |

Sample Name: J6337-18      Acquired: 12/11/2018 15:36:14      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .23347 | F 10.72 | -.41881 | <.00000 | F<.00000 |
| Stddev | .00201 | .02     | .01133  | .05929  | .13389   |
| %RSD   | .86006 | .1735   | 2.7060  | 3.6192  | .08792   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .23205 | 10.70 | -.41079 | -1.6802 | -152.18 |
| #2 | .23489 | 10.73 | -.42682 | -1.5963 | -152.37 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4028.3 | 54417. | 2985.0 | 95.131 | 3302.1 |
| Stddev    | 10.2   | 70.    | 6.1    | 1.785  | 9.8    |
| %RSD      | .25241 | .12946 | .20547 | 1.8761 | .29707 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4035.5 | 54367. | 2989.3 | 96.393 | 3309.0 |
| #2 | 4021.1 | 54467. | 2980.7 | 93.869 | 3295.2 |

Sample Name: J6337-19      Acquired: 12/11/2018 15:40:15      Type: Unk  
Method: P4-ICP2(v2642)      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    | .09555 | -.01542 | .76574 | .01710 | .01296 | 316.56 | 1.1740 |
| Stddev | .00231 | .00105  | .00093 | .00472 | .00028 | .62    | .0182  |
| %RSD   | 2.4175 | 6.8371  | .12169 | 27.603 | 2.1906 | .19523 | 1.5529 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .09719 | -.01616 | .76508 | .01377 | .01276 | 316.12 | 1.1869 |
| #2 | .09392 | -.01467 | .76640 | .02044 | .01316 | 316.99 | 1.1611 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01265 | -.00290 | 8.1623 | .23092 | .16761 | .21922 | 446.34 |
| Stddev | .00004 | .00042  | .1219  | .00062 | .00003 | .00185 | 6.17   |
| %RSD   | .35495 | 14.383  | 1.4938 | .26895 | .01907 | .84282 | 1.3832 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01262 | -.00261 | 8.2485 | .23048 | .16759 | .22052 | 441.97 |
| #2 | .01268 | -.00320 | 8.0760 | .23136 | .16763 | .21791 | 450.70 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.828 | 43.703 | .30744 | .00437 | .54351 | .61916 | 1.2768 |
| Stddev | .061   | .760   | .00088 | .00052 | .02247 | .00131 | .0171  |
| %RSD   | .44076 | 1.7384 | .28780 | 11.977 | 4.1341 | .21170 | 1.3421 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.785 | 44.241 | .30807 | .00400 | .55940 | .61824 | 1.2647 |
| #2 | 13.871 | 43.166 | .30682 | .00474 | .52762 | .62009 | 1.2890 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.4962 | .00475 | .06656 | 5.8481 | 3.8112 | .04101 | 1.6176 |
| Stddev | .0485  | .00014 | .01898 | .0214  | .0991  | .00103 | .0255  |
| %RSD   | .88288 | 2.8835 | 28.522 | .36505 | 2.6008 | 2.5135 | 1.5740 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.5306 | .00465 | .05313 | 5.8330 | 3.8813 | .04028 | 1.6356 |
| #2 | 5.4619 | .00485 | .07998 | 5.8632 | 3.7411 | .04173 | 1.5996 |

Sample Name: J6337-19      Acquired: 12/11/2018 15:40:15      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .18146 | F 14.38 | -.41820 | <.00000 | F<.00000 |
| Stddev | .00430 | .03     | .00738  | .21859  | 1.1015   |
| %RSD   | 2.3710 | .2084   | 1.7639  | 6.0411  | .73891   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .18450 | 14.41 | -.41298 | -3.7730 | -148.30 |
| #2 | .17842 | 14.36 | -.42341 | -3.4639 | -149.86 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4440.4 | 60399. | 3321.6 | 97.176 | 3304.2 |
| Stddev    | 17.2   | 8.     | 47.9   | 1.182  | 6.9    |
| %RSD      | .38704 | .01281 | 1.4434 | 1.2164 | .21004 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4428.2 | 60405. | 3287.7 | 98.012 | 3299.3 |
| #2 | 4452.5 | 60394. | 3355.5 | 96.341 | 3309.1 |

Sample Name: J6337-20      Acquired: 12/11/2018 15:44:18      Type: Unk  
Method: P4-ICP2(v2642)      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    | .03980 | -.01264 | .17210 | .00850 | .01338 | 320.09 | 1.6774 |
| Stddev | .00317 | .00082  | .00064 | .00366 | .00012 | .48    | .0198  |
| %RSD   | 7.9702 | 6.4523  | .37005 | 43.017 | .92055 | .14924 | 1.1775 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .04204 | -.01206 | .17255 | .01109 | .01347 | 319.75 | 1.6913 |
| #2 | .03756 | -.01322 | .17165 | .00592 | .01330 | 320.43 | 1.6634 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01375 | -.00696 | 5.9174 | .22744 | .16561 | .12002 | 455.42 |
| Stddev | .00003 | .00075  | .0345  | .00149 | .00003 | .00095 | 6.01   |
| %RSD   | .19569 | 10.756  | .58360 | .65730 | .01562 | .79189 | 1.3204 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01373 | -.00748 | 5.9419 | .22638 | .16563 | .11935 | 459.68 |
| #2 | .01377 | -.00643 | 5.8930 | .22850 | .16560 | .12070 | 451.17 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.882 | 42.764 | .33992 | .00361 | .48380 | .49718 | 1.0310 |
| Stddev | .047   | .549   | .00069 | .00144 | .01319 | .00151 | .0129  |
| %RSD   | .36736 | 1.2845 | .20155 | 39.917 | 2.7255 | .30302 | 1.2489 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.849 | 43.152 | .33944 | .00463 | .49312 | .49612 | 1.0402 |
| #2 | 12.915 | 42.375 | .34041 | .00259 | .47447 | .49825 | 1.0219 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0642 | .00273 | .07079 | 3.5377 | 5.5224 | .01834 | 1.4641 |
| Stddev | .0059  | .00018 | .01253 | .0175  | .0367  | .00133 | .0021  |
| %RSD   | .11591 | 6.5072 | 17.703 | .49322 | .66412 | 7.2504 | .13988 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.0683 | .00285 | .07965 | 3.5500 | 5.4965 | .01928 | 1.4626 |
| #2 | 5.0600 | .00260 | .06193 | 3.5253 | 5.5484 | .01740 | 1.4655 |

Sample Name: J6337-20      Acquired: 12/11/2018 15:44:18      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .18596 | F 11.94 | -.42778 | <.00000 | F<.00000 |
| Stddev | .00045 | .01     | .00711  | .29835  | 2.6437   |
| %RSD   | .24404 | .1071   | 1.6613  | 10.353  | 1.7513   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .18628 | 11.95 | -.43280 | -2.6708 | -149.09 |
| #2 | .18563 | 11.93 | -.42275 | -3.0927 | -152.83 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4320.7 | 58410. | 3216.6 | 94.509 | 3286.6 |
| Stddev    | 6.1    | 141.   | 29.0   | 1.086  | 2.3    |
| %RSD      | .14005 | .24056 | .90195 | 1.1489 | .07081 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4316.4 | 58310. | 3196.1 | 93.742 | 3285.0 |
| #2 | 4325.0 | 58509. | 3237.1 | 95.277 | 3288.3 |

Sample Name: CCV04      Acquired: 12/11/2018 15:48:19      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8984 | 4.7883 | 4.7971 | 4.8615 | 4.9592 | 9.9382 | 10.476 | .24032 |
| Stddev | .0008  | .0051  | .0037  | .0118  | .0157  | .0450  | .016   | .00031 |
| %RSD   | .01580 | .10645 | .07821 | .24285 | .31632 | .45254 | .15738 | .13101 |
| #1     | 4.8978 | 4.7846 | 4.7945 | 4.8699 | 4.9703 | 9.9064 | 10.464 | .24009 |
| #2     | 4.8989 | 4.7919 | 4.7998 | 4.8532 | 4.9481 | 9.9700 | 10.488 | .24054 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3677 | 26.756 | .98813 | 2.3877 | 1.2319 | 4.7525 | 2.4315 | 25.476 |
| Stddev | .0046  | .250   | .00136 | .0030  | .0009  | .0200  | .0031  | .084   |
| %RSD   | .19397 | .93325 | .13781 | .12428 | .07338 | .42148 | .12571 | .33129 |
| #1     | 2.3645 | 26.579 | .98910 | 2.3856 | 1.2326 | 4.7667 | 2.4337 | 25.417 |
| #2     | 2.3710 | 26.932 | .98717 | 2.3898 | 1.2313 | 4.7384 | 2.4294 | 25.536 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3709 | 1.1809 | 25.195 | 2.3621 | 2.4092 | 25.860 | 4.9062 | 5.1169 |
| Stddev | .0057  | .0029  | .008   | .0008  | .0184  | .070   | .0124  | .0561  |
| %RSD   | .24222 | .24147 | .03235 | .03553 | .76414 | .27144 | .25328 | 1.0965 |
| #1     | 2.3669 | 1.1789 | 25.201 | 2.3627 | 2.4222 | 25.810 | 4.9150 | 5.0772 |
| #2     | 2.3750 | 1.1829 | 25.189 | 2.3615 | 2.3961 | 25.910 | 4.8974 | 5.1566 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6973 | 5.0895 | 4.7253 | 5.0920 | 5.1821 | 4.679  | 5.3605 | 4.5541 |
| Stddev | .0021  | .0259  | .0003  | .0068  | .0186  | .005   | .0374  | .0973  |
| %RSD   | .04518 | .50895 | .00585 | .13377 | .35875 | .1125  | .69684 | 2.1366 |
| #1     | 4.6988 | 5.0712 | 4.7255 | 5.0872 | 5.1690 | 4.675  | 5.3341 | 4.6229 |
| #2     | 4.6958 | 5.1078 | 4.7251 | 5.0969 | 5.1953 | 4.683  | 5.3869 | 4.4853 |

Sample Name: CCV04      Acquired: 12/11/2018 15:48:19      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.9925  
Stddev      .0259  
%RSD      1.2989

#1      2.0108  
#2      1.9742

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3336.7 | 45488. | 2346.3 | 96.620 | 3473.5 |
| Stddev    | 13.4   | 187.   | 2.7    | .950   | 3.0    |
| %RSD      | .40133 | .41175 | .11311 | .98272 | .08667 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3327.3 | 45355. | 2344.4 | 95.949 | 3471.3 |
| #2 | 3346.2 | 45620. | 2348.2 | 97.292 | 3475.6 |

Sample Name: CCB04      Acquired: 12/11/2018 15:52:04      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14297      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |        |        |        |         |
|--------|---------|---------|---------|---------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00176 | -.00044 | -.00014 | -.00187 | .00113 | .00631 | .00295 | -.00003 |
| Stddev | .00018  | .00019  | .00124  | .00055  | .00072 | .00660 | .00010 | .00002  |
| %RSD   | 10.085  | 43.081  | 903.98  | 29.536  | 63.324 | 104.49 | 3.4235 | 61.297  |

|    |         |         |         |         |        |        |        |         |
|----|---------|---------|---------|---------|--------|--------|--------|---------|
| #1 | -.00189 | -.00058 | .00074  | -.00148 | .00164 | .00165 | .00288 | -.00002 |
| #2 | -.00164 | -.00031 | -.00102 | -.00226 | .00063 | .01098 | .00302 | -.00005 |

|        |         |        |         |         |         |        |         |        |
|--------|---------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00009 | .00720 | -.00030 | -.00013 | -.00054 | .01349 | -.00009 | .00279 |
| Stddev | .00009  | .01647 | .00007  | .00005  | .00031  | .01923 | .00004  | .01788 |
| %RSD   | 104.72  | 228.76 | 23.263  | 36.022  | 58.804  | 142.56 | 48.190  | 640.26 |

|    |         |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00002 | .01884  | -.00025 | -.00016 | -.00031 | .02709  | -.00012 | -.00985 |
| #2 | -.00015 | -.00445 | -.00035 | -.00009 | -.00076 | -.00011 | -.00006 | .01544  |

|        |        |        |         |        |         |         |        |         |
|--------|--------|--------|---------|--------|---------|---------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138  | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00024 | .00048 | -.23662 | .00077 | -.00005 | -.11100 | .00052 | -.01735 |
| Stddev | .00043 | .00073 | .00329  | .00001 | .00018  | .01554  | .00016 | .00121  |
| %RSD   | 177.62 | 153.44 | 1.3907  | .89905 | 330.38  | 14.000  | 31.468 | 6.9625  |

|    |         |         |         |        |         |         |        |         |
|----|---------|---------|---------|--------|---------|---------|--------|---------|
| #1 | -.00006 | .00100  | -.23430 | .00077 | .00007  | -.10001 | .00063 | -.01821 |
| #2 | .00054  | -.00004 | -.23895 | .00078 | -.00018 | -.12199 | .00040 | -.01650 |

|        |        |        |        |        |         |        |         |          |
|--------|--------|--------|--------|--------|---------|--------|---------|----------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .00104 | .01033 | .00039 | .00370 | -.00334 | -.0011 | -.00008 | F 3.7599 |
| Stddev | .00032 | .00160 | .00064 | .00131 | .00046  | .0009  | .00002  | .1264    |
| %RSD   | 30.905 | 15.470 | 165.64 | 35.500 | 13.806  | 80.77  | 30.603  | 3.3607   |

|    |        |        |         |        |         |        |         |        |
|----|--------|--------|---------|--------|---------|--------|---------|--------|
| #1 | .00127 | .01146 | -.00007 | .00277 | -.00302 | -.0005 | -.00010 | 3.6706 |
| #2 | .00082 | .00920 | .00084  | .00463 | -.00367 | -.0017 | -.00006 | 3.8493 |

Sample Name: CCB04      Acquired: 12/11/2018 15:52:04      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14297      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .24051 |
| Stddev | .02396   |
| %RSD   | 9.9606   |

|    |        |
|----|--------|
| #1 | .22357 |
| #2 | .25745 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3426.3 | 46717. | 2406.9 | 100.93 | 3815.0 |
| Stddev    | 8.6    | 122.   | 11.4   | 2.40   | 12.1   |
| %RSD      | .25203 | .26165 | .47434 | 2.3819 | .31812 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3420.2 | 46630. | 2398.8 | 102.63 | 3806.5 |
| #2 | 3432.4 | 46803. | 2414.9 | 99.233 | 3823.6 |

Sample Name: PB115531BL      Acquired: 12/11/2018 15:56:08      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14297      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00141 | -.00142 | -.00064 | .00034  | .00090  | .01015  | .00317  | -.00001  |
| Stddev | .00165  | .00061  | .00027  | .00174  | .00071  | .00797  | .00102  | .00000   |
| %RSD   | 117.28  | 42.716  | 42.372  | 506.08  | 78.735  | 78.533  | 32.115  | 18.607   |
| #1     | -.00024 | -.00099 | -.00083 | .00157  | .00040  | .01579  | .00245  | -.00002  |
| #2     | -.00257 | -.00185 | -.00045 | -.00089 | .00141  | .00451  | .00389  | -.00001  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004  | .01067  | -.00023 | -.00021 | -.00029 | .01244  | -.00010 | .02309   |
| Stddev | .00001  | .00088  | .00011  | .00022  | .00013  | .00809  | .00002  | .01542   |
| %RSD   | 14.405  | 8.2204  | 47.194  | 104.45  | 45.832  | 65.064  | 25.724  | 66.797   |
| #1     | .00004  | .01005  | -.00030 | -.00005 | -.00019 | .00672  | -.00011 | .01218   |
| #2     | .00004  | .01129  | -.00015 | -.00036 | -.00038 | .01816  | -.00008 | .03400   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00001  | .00060  | -.24982 | .00008  | -.00015 | -.07420 | .00014  | -.01269  |
| Stddev | .00008  | .00006  | .00250  | .00015  | .00003  | .00162  | .00008  | .00157   |
| %RSD   | 1210.3  | 9.6092  | .99876  | 175.66  | 21.665  | 2.1793  | 58.817  | 12.339   |
| #1     | .00006  | .00056  | -.25159 | .00019  | -.00013 | -.07534 | .00020  | -.01380  |
| #2     | -.00005 | .00064  | -.24806 | -.00002 | -.00017 | -.07306 | .00008  | -.01158  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00016 | .00900  | -.00077 | .00464  | -.00255 | -.0015  | -.00023 | F 3.8178 |
| Stddev | .00234  | .00314  | .00011  | .00099  | .00114  | .0014   | .00008  | .0953    |
| %RSD   | 1439.6  | 34.923  | 13.944  | 21.377  | 44.849  | 98.16   | 33.906  | 2.4965   |
| #1     | -.00181 | .00678  | -.00084 | .00394  | -.00336 | -.0025  | -.00018 | 3.8851   |
| #2     | .00149  | .01122  | -.00069 | .00535  | -.00174 | -.0004  | -.00029 | 3.7504   |

Sample Name: PB115531BL      Acquired: 12/11/2018 15:56:08      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14297      Custom ID2:      Custom ID3:  
 Comment:

|        |                 |
|--------|-----------------|
| Elem   | U_3859          |
| Units  | ppm             |
| Avg    | <b>F .16699</b> |
| Stddev | .00430          |
| %RSD   | 2.5747          |

|    |               |
|----|---------------|
| #1 | <b>.17003</b> |
| #2 | <b>.16395</b> |

|           |               |               |               |               |               |
|-----------|---------------|---------------|---------------|---------------|---------------|
| Int. Std. | Y_2243        | Y_3600        | Y_3710        | ln2306        | ln2306        |
| Units     | Cts/S         | Cts/S         | Cts/S         | Cts/S         | Cts/S         |
| Avg       | <b>3428.4</b> | <b>46471.</b> | <b>2361.5</b> | <b>102.90</b> | <b>3803.5</b> |
| Stddev    | 14.8          | 41.           | 10.4          | .77           | 12.7          |
| %RSD      | .43058        | .08816        | .43880        | .74444        | .33382        |

|    |               |               |               |               |               |
|----|---------------|---------------|---------------|---------------|---------------|
| #1 | <b>3418.0</b> | <b>46442.</b> | <b>2354.2</b> | <b>102.36</b> | <b>3794.5</b> |
| #2 | <b>3438.9</b> | <b>46500.</b> | <b>2368.8</b> | <b>103.44</b> | <b>3812.5</b> |

Sample Name: PB115531BS      Acquired: 12/11/2018 16:00:15      Type: Unk  
Method: P4-ICP2(v2642)      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    | .77660 | 1.9444 | .96027 | 1.9618 | .80952 | 1.9573 | .22136 |
| Stddev | .00441 | .0129  | .00596 | .0002  | .00071 | .0437  | .00042 |
| %RSD   | .56826 | .66200 | .62104 | .01061 | .08794 | 2.2339 | .19091 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77348 | 1.9353 | .95605 | 1.9617 | .80901 | 1.9264 | .22106 |
| #2 | .77972 | 1.9535 | .96448 | 1.9620 | .81002 | 1.9882 | .22166 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19617 | .18867 | 1.1305 | .41076 | .19484 | .31704 | 2.8749 |
| Stddev | .00172 | .00096 | .0405  | .00523 | .00034 | .00195 | .0303  |
| %RSD   | .87660 | .50711 | 3.5856 | 1.2733 | .17701 | .61477 | 1.0533 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19495 | .18799 | 1.1018 | .40706 | .19460 | .31566 | 2.8535 |
| #2 | .19738 | .18934 | 1.1591 | .41446 | .19509 | .31842 | 2.8963 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20643 | 2.1189 | .48546 | .07051 | 2.9525 | .29286 | .19925 |
| Stddev | .00199 | .0513  | .00087 | .00015 | .0150  | .00179 | .00117 |
| %RSD   | .96171 | 2.4222 | .17938 | .20981 | .50985 | .61112 | .58642 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20502 | 2.0826 | .48485 | .07061 | 2.9631 | .29159 | .19843 |
| #2 | .20783 | 2.1552 | .48608 | .07040 | 2.9418 | .29412 | .20008 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.562 | .40899 | .28601 | F -.00576 | .97956 | .64916 | .20923 |
| Stddev | .074   | .00051 | .01025 | .00120    | .00655 | .00136 | .00218 |
| %RSD   | .70154 | .12364 | 3.5833 | 20.778    | .66871 | .20924 | 1.0428 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.509 | .40935 | .27876 | -.00491 | .98419 | .64820 | .21077 |
| #2 | 10.614 | .40863 | .29325 | -.00661 | .97493 | .65012 | .20768 |

Sample Name: PB115531BS      Acquired: 12/11/2018 16:00:15      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .21344 | 5.201  | .21538 | F 3.8547 | F<.00000 |
| Stddev | .00000 | .014   | .00097 | .1752    | .15498   |
| %RSD   | .00088 | .2676  | .45096 | 4.5448   | 14.160   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21345 | 5.191 | .21470 | 3.7308 | -1.2041 |
| #2 | .21344 | 5.211 | .21607 | 3.9786 | -.98490 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3414.8 | 46740. | 2330.1 | 100.40 | 3735.9 |
| Stddev    | .5     | 368.   | 14.0   | .55    | 5.0    |
| %RSD      | .01598 | .78687 | .59949 | .54580 | .13372 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3414.4 | 47000. | 2320.2 | 100.79 | 3739.4 |
| #2 | 3415.2 | 46480. | 2340.0 | 100.02 | 3732.3 |

Sample Name: PB115449BL      Acquired: 12/11/2018 16:03:32      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

|        |         |         |         |         |        |        |        |
|--------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00252 | -.00063 | -.00123 | -.00062 | .00160 | .01523 | .00256 |
| Stddev | .00321  | .00041  | .00046  | .00032  | .00001 | .00045 | .00105 |
| %RSD   | 127.49  | 65.191  | 37.556  | 50.824  | .59875 | 2.9809 | 41.097 |

|    |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00479 | -.00093 | -.00091 | -.00040 | .00159 | .01491 | .00181 |
| #2 | -.00025 | -.00034 | -.00156 | -.00085 | .00160 | .01555 | .00330 |

|        |         |         |        |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00008 | -.00012 | .00957 | -.00034 | -.00010 | -.00014 | -.00129 |
| Stddev | .00008  | .00005  | .00787 | .00074  | .00003  | .00071  | .01779  |
| %RSD   | 96.886  | 45.690  | 82.227 | 216.56  | 33.328  | 520.04  | 1379.9  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00014 | -.00016 | .00400 | -.00086 | -.00008 | .00036  | .01129  |
| #2 | -.00003 | -.00008 | .01513 | .00018  | -.00012 | -.00064 | -.01387 |

|        |         |        |         |        |         |         |         |
|--------|---------|--------|---------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00011 | .01903 | -.00031 | .00030 | -.24955 | -.00000 | -.00018 |
| Stddev | .00005  | .03270 | .00010  | .00024 | .00143  | .00036  | .00004  |
| %RSD   | 41.411  | 171.79 | 32.767  | 78.367 | .57328  | 8703.5  | 24.640  |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00008 | -.00409 | -.00024 | .00014 | -.24854 | -.00026 | -.00021 |
| #2 | -.00015 | .04216  | -.00038 | .00047 | -.25056 | .00025  | -.00015 |

|        |         |         |         |         |        |         |        |
|--------|---------|---------|---------|---------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.10685 | -.00026 | -.00652 | -.00165 | .00588 | -.00041 | .00240 |
| Stddev | .00687  | .00027  | .01019  | .00076  | .00102 | .00036  | .00027 |
| %RSD   | 6.4335  | 105.21  | 156.35  | 46.053  | 17.362 | 87.428  | 11.060 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.10199 | -.00007 | -.01372 | -.00111 | .00661 | -.00067 | .00259 |
| #2 | -.11171 | -.00045 | .00069  | -.00219 | .00516 | -.00016 | .00221 |

Sample Name: PB115449BL      Acquired: 12/11/2018 16:03:32      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
 Comment: DOD

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00202 | -0.0005 | -0.00009 | F 3.5786 | F<.00000 |
| Stddev | .00156   | .0017   | .00010   | .0115    | .21921   |
| %RSD   | 77.474   | 346.7   | 113.18   | .32184   | 361.91   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00091 | -0.0017 | -0.00017 | 3.5704 | -.21557 |
| #2 | -0.00313 | .0007   | -0.00002 | 3.5867 | .09443  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3430.1 | 46959. | 2378.6 | 101.73 | 3789.5 |
| Stddev    | 10.2   | 152.   | 1.0    | 1.65   | 6.9    |
| %RSD      | .29686 | .32375 | .04284 | 1.6218 | .18156 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3422.9 | 46852. | 2377.9 | 100.57 | 3784.6 |
| #2 | 3437.3 | 47067. | 2379.3 | 102.90 | 3794.3 |

Sample Name: PB115449BS      Acquired: 12/11/2018 16:07:36      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .76613 | 1.9287 | .94850 | 1.9501 | .79798 | 1.9425 | .21943 |
| Stddev | .00305 | .0100  | .00376 | .0028  | .00516 | .0264  | .00008 |
| %RSD   | .39799 | .51952 | .39603 | .14262 | .64655 | 1.3569 | .03418 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76829 | 1.9216 | .94584 | 1.9521 | .80163 | 1.9611 | .21938 |
| #2 | .76397 | 1.9358 | .95115 | 1.9481 | .79434 | 1.9238 | .21948 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19441 | .18690 | 1.1213 | .40608 | .19255 | .31267 | 2.8642 |
| Stddev | .00247 | .00037 | .0172  | .00661 | .00086 | .00136 | .0139  |
| %RSD   | 1.2697 | .19887 | 1.5332 | 1.6270 | .44679 | .43490 | .48485 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19615 | .18664 | 1.1092 | .41075 | .19194 | .31171 | 2.8740 |
| #2 | .19266 | .18716 | 1.1335 | .40141 | .19316 | .31363 | 2.8543 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20443 | 2.1061 | .48204 | .07083 | 2.9265 | .29023 | .19604 |
| Stddev | .00191 | .0183  | .00183 | .00065 | .0019  | .00436 | .00158 |
| %RSD   | .93522 | .86904 | .38037 | .91895 | .06553 | 1.5008 | .80809 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20579 | 2.1190 | .48074 | .07129 | 2.9251 | .29331 | .19716 |
| #2 | .20308 | 2.0932 | .48334 | .07037 | 2.9278 | .28715 | .19492 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.502 | .40159 | .28294 | F -.00391 | .94284 | .63707 | .20186 |
| Stddev | .023   | .00095 | .00160 | .00311    | .00427 | .00281 | .00099 |
| %RSD   | .22038 | .23646 | .56476 | 79.508    | .45237 | .44087 | .49186 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.485 | .40226 | .28181 | -.00611 | .94585 | .63508 | .20115 |
| #2 | 10.518 | .40092 | .28407 | -.00171 | .93982 | .63906 | .20256 |

Sample Name: PB115449BS      Acquired: 12/11/2018 16:07:36      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
 Comment: DOD

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .20913 | 5.153  | .21292 | F 3.6455 | F<.00000 |
| Stddev | .00088 | .005   | .00003 | .1258    | .16278   |
| %RSD   | .41911 | .0910  | .01421 | 3.4518   | 14.438   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20975 | 5.150 | .21289 | 3.7344 | -1.0123 |
| #2 | .20851 | 5.156 | .21294 | 3.5565 | -1.2425 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3429.8 | 46988. | 2368.3 | 101.87 | 3750.6 |
| Stddev    | 11.8   | 453.   | 1.2    | 1.08   | 1.2    |
| %RSD      | .34421 | .96335 | .04940 | 1.0585 | .03127 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3421.4 | 46668. | 2367.5 | 101.11 | 3751.4 |
| #2 | 3438.1 | 47308. | 2369.2 | 102.63 | 3749.8 |

Sample Name: PB115396BL      Acquired: 12/11/2018 16:11:29      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00112  | -.00091 | -.00127 | .00004  | .00076  | -.00848 | .00239  | .00004   |
| Stddev | .00331  | .00035  | .00042  | .00201  | .00130  | .00007  | .00076  | .00000   |
| %RSD   | 295.39  | 39.029  | 33.245  | 5507.4  | 171.77  | .78538  | 31.760  | 7.8950   |
| #1     | .00346  | -.00116 | -.00097 | .00146  | -.00016 | -.00853 | .00292  | .00004   |
| #2     | -.00122 | -.00066 | -.00157 | -.00138 | .00168  | -.00844 | .00185  | .00004   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00001 | .00601  | -.00035 | -.00013 | -.00019 | -.00473 | -.00005 | .02111   |
| Stddev | .00001  | .02512  | .00031  | .00010  | .00002  | .00386  | .00001  | .00816   |
| %RSD   | 48.691  | 417.78  | 88.856  | 76.851  | 11.617  | 81.611  | 11.556  | 38.645   |
| #1     | -.00002 | -.01175 | -.00013 | -.00006 | -.00021 | -.00200 | -.00006 | .02688   |
| #2     | -.00001 | .02378  | -.00057 | -.00020 | -.00018 | -.00746 | -.00005 | .01534   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00006 | .00013  | -.25651 | .00039  | -.00015 | -.11714 | .00014  | -.00709  |
| Stddev | .00009  | .00059  | .00452  | .00054  | .00007  | .02416  | .00026  | .00046   |
| %RSD   | 165.33  | 443.61  | 1.7629  | 140.25  | 50.001  | 20.622  | 180.75  | 6.4241   |
| #1     | -.00012 | .00055  | -.25971 | .00077  | -.00020 | -.13422 | -.00004 | -.00741  |
| #2     | .00001  | -.00029 | -.25331 | .00000  | -.00010 | -.10006 | .00033  | -.00676  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00129 | .00868  | -.00043 | .00153  | -.00273 | -.0012  | -.00013 | F 3.5135 |
| Stddev | .00285  | .00062  | .00084  | .00319  | .00115  | .0011   | .00008  | .0364    |
| %RSD   | 221.83  | 7.1721  | 195.55  | 208.17  | 42.036  | 87.57   | 63.652  | 1.0360   |
| #1     | .00073  | .00912  | .00017  | -.00072 | -.00192 | -.0020  | -.00018 | 3.4877   |
| #2     | -.00330 | .00824  | -.00103 | .00378  | -.00354 | -.0005  | -.00007 | 3.5392   |

Sample Name: PB115396BL      Acquired: 12/11/2018 16:11:29      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .48494 |
| Stddev | .32292   |
| %RSD   | 66.591   |

|    |        |
|----|--------|
| #1 | .25660 |
| #2 | .71328 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3432.6 | 46901. | 2381.7 | 102.14 | 3792.5 |
| Stddev    | 4.5    | 103.   | 11.0   | .66    | 15.3   |
| %RSD      | .13221 | .21986 | .46301 | .64613 | .40236 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3429.4 | 46828. | 2374.0 | 101.68 | 3781.7 |
| #2 | 3435.8 | 46974. | 2389.5 | 102.61 | 3803.3 |

Sample Name: PB115543BS      Acquired: 12/11/2018 16:15:34      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .78170 | 1.9504 | .96098 | 1.9558 | .80436 | 1.9957 | .22619 |
| Stddev | .00727 | .0169  | .00581 | .0109  | .00728 | .0013  | .00032 |
| %RSD   | .92963 | .86801 | .60434 | .55602 | .90557 | .06430 | .13996 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77656 | 1.9384 | .95687 | 1.9481 | .79921 | 1.9948 | .22641 |
| #2 | .78684 | 1.9624 | .96509 | 1.9635 | .80951 | 1.9966 | .22597 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19806 | .18879 | 1.1292 | .41691 | .19524 | .31676 | 2.9405 |
| Stddev | .00096 | .00130 | .0414  | .00076 | .00218 | .00089 | .0451  |
| %RSD   | .48579 | .68758 | 3.6640 | .18128 | 1.1143 | .27995 | 1.5330 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19874 | .18787 | 1.1585 | .41745 | .19371 | .31613 | 2.9724 |
| #2 | .19738 | .18970 | 1.0999 | .41638 | .19678 | .31739 | 2.9086 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20925 | 2.1743 | .48683 | .07195 | 2.9982 | .29473 | .20188 |
| Stddev | .00055 | .0096  | .00395 | .00074 | .0545  | .00110 | .00065 |
| %RSD   | .26404 | .44261 | .81086 | 1.0345 | 1.8188 | .37453 | .32303 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20964 | 2.1811 | .48404 | .07143 | 3.0368 | .29551 | .20234 |
| #2 | .20886 | 2.1675 | .48962 | .07248 | 2.9596 | .29395 | .20142 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.745 | .40708 | .30350 | F -.00582 | .97833 | .64577 | .21058 |
| Stddev | .071   | .00308 | .00048 | .00018    | .00283 | .00474 | .00088 |
| %RSD   | .65973 | .75560 | .15888 | 3.0967    | .28938 | .73473 | .41553 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.795 | .40490 | .30316 | -.00595 | .97633 | .64241 | .20996 |
| #2 | 10.695 | .40925 | .30384 | -.00569 | .98034 | .64912 | .21120 |

Sample Name: PB115543BS      Acquired: 12/11/2018 16:15:34      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .21703 | 5.208  | .21807 | F 3.9290 | F<.00000 |
| Stddev | .00203 | .044   | .00074 | .0623    | .43450   |
| %RSD   | .93573 | .8473  | .33805 | 1.5868   | 54.186   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21846 | 5.176 | .21859 | 3.9730 | -1.1091 |
| #2 | .21559 | 5.239 | .21755 | 3.8849 | -.49462 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3426.1 | 46592. | 2321.8 | 99.833 | 3748.3 |
| Stddev    | 11.5   | 154.   | 15.5   | .731   | 22.1   |
| %RSD      | .33628 | .33101 | .66751 | .73190 | .58991 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3434.2 | 46483. | 2310.9 | 99.317 | 3763.9 |
| #2 | 3417.9 | 46701. | 2332.8 | 100.35 | 3732.6 |

Sample Name: PB115505BL      Acquired: 12/11/2018 16:19:24      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

|        |          |          |          |          |        |        |        |        |
|--------|----------|----------|----------|----------|--------|--------|--------|--------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | -0.00029 | -0.00102 | -0.00192 | -0.00164 | .00118 | .00060 | .00241 | .00001 |
| Stddev | .00058   | .00021   | .00037   | .00038   | .00119 | .00510 | .00068 | .00001 |
| %RSD   | 198.04   | 20.310   | 19.067   | 23.502   | 100.86 | 856.37 | 28.243 | 93.101 |

|    |          |          |          |          |        |          |        |        |
|----|----------|----------|----------|----------|--------|----------|--------|--------|
| #1 | -0.00071 | -0.00087 | -0.00218 | -0.00191 | .00034 | .00420   | .00289 | .00002 |
| #2 | .00012   | -0.00116 | -0.00166 | -0.00136 | .00202 | -0.00301 | .00193 | .00000 |

|        |          |        |          |          |          |          |          |        |
|--------|----------|--------|----------|----------|----------|----------|----------|--------|
| Elem   | Cd2265   | Ca3736 | Cr2677   | Co2286   | Cu2247   | Fe2404   | Mn2576   | Mg2790 |
| Units  | ppm      | ppm    | ppm      | ppm      | ppm      | ppm      | ppm      | ppm    |
| Avg    | -0.00002 | .01638 | -0.00055 | -0.00001 | -0.00021 | -0.00031 | -0.00016 | .01913 |
| Stddev | .00001   | .00179 | .00022   | .00008   | .00001   | .01041   | .00002   | .01213 |
| %RSD   | 38.240   | 10.915 | 40.073   | 705.24   | 4.3668   | 3358.3   | 13.834   | 63.377 |

|    |          |        |          |          |          |          |          |        |
|----|----------|--------|----------|----------|----------|----------|----------|--------|
| #1 | -0.00002 | .01765 | -0.00071 | -0.00006 | -0.00021 | .00705   | -0.00017 | .02771 |
| #2 | -0.00001 | .01512 | -0.00040 | .00004   | -0.00022 | -0.00767 | -0.00014 | .01056 |

|        |         |        |          |        |          |          |        |          |
|--------|---------|--------|----------|--------|----------|----------|--------|----------|
| Elem   | Ni2316  | Ag3280 | Na5895   | V_2924 | Zn2138   | K_7664   | Mo2020 | B_2496   |
| Units  | ppm     | ppm    | ppm      | ppm    | ppm      | ppm      | ppm    | ppm      |
| Avg    | .00000  | .00005 | -0.25578 | .00030 | -0.00019 | -0.13635 | .00005 | -0.01289 |
| Stddev | .00053  | .00036 | .00580   | .00002 | .00002   | .00537   | .00000 | .01330   |
| %RSD   | 119900. | 780.88 | 2.2680   | 5.7169 | 11.381   | 3.9369   | 5.6369 | 103.18   |

|    |          |          |          |        |          |          |        |          |
|----|----------|----------|----------|--------|----------|----------|--------|----------|
| #1 | -0.00037 | -0.00021 | -0.25168 | .00031 | -0.00021 | -0.14015 | .00005 | -0.00349 |
| #2 | .00038   | .00030   | -0.25988 | .00028 | -0.00018 | -0.13256 | .00005 | -0.02230 |

|        |          |        |          |        |          |         |          |          |
|--------|----------|--------|----------|--------|----------|---------|----------|----------|
| Elem   | S_1820   | Si2881 | Sn1899   | Ti3361 | Li6707   | P_1774  | Sr4077   | U_3670   |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm      | ppm     | ppm      | ppm      |
| Avg    | -0.00223 | .00923 | -0.00113 | .00306 | -0.00249 | -0.0015 | -0.00011 | F 3.8674 |
| Stddev | .00090   | .00017 | .00037   | .00105 | .00089   | .0005   | .00005   | .1945    |
| %RSD   | 40.501   | 1.8296 | 32.840   | 34.450 | 35.701   | 36.62   | 50.855   | 5.0292   |

|    |          |        |          |        |          |         |          |        |
|----|----------|--------|----------|--------|----------|---------|----------|--------|
| #1 | -0.00159 | .00911 | -0.00087 | .00231 | -0.00186 | -0.0019 | -0.00014 | 4.0049 |
| #2 | -0.00286 | .00935 | -0.00140 | .00380 | -0.00312 | -0.0011 | -0.00007 | 3.7298 |

Sample Name: PB115505BL      Acquired: 12/11/2018 16:19:24      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .49840 |
| Stddev | .37553   |
| %RSD   | 75.347   |

|    |        |
|----|--------|
| #1 | .76394 |
| #2 | .23286 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3429.9 | 46671. | 2346.8 | 101.50 | 3794.7 |
| Stddev    | .1     | 382.   | 29.8   | 2.78   | 22.7   |
| %RSD      | .00346 | .81891 | 1.2685 | 2.7402 | .59757 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3430.0 | 46401. | 2325.7 | 99.533 | 3810.8 |
| #2 | 3429.8 | 46942. | 2367.8 | 103.47 | 3778.7 |

Sample Name: PB115542BS      Acquired: 12/11/2018 16:24:56      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77259 | 1.9173 | .95207 | 1.9497 | .79972 | 1.9424 | .22474 |
| Stddev | .00007 | .0125  | .00451 | .0029  | .00140 | .0052  | .00051 |
| %RSD   | .00902 | .65096 | .47378 | .15021 | .17477 | .26883 | .22837 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77254 | 1.9085 | .94888 | 1.9476 | .79874 | 1.9387 | .22437 |
| #2 | .77264 | 1.9262 | .95526 | 1.9517 | .80071 | 1.9461 | .22510 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19583 | .18706 | 1.1548 | .40874 | .19340 | .31453 | 2.8763 |
| Stddev | .00057 | .00083 | .0357  | .00083 | .00056 | .00214 | .0471  |
| %RSD   | .29238 | .44519 | 3.0944 | .20426 | .29099 | .67954 | 1.6390 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19543 | .18647 | 1.1295 | .40815 | .19301 | .31302 | 2.8429 |
| #2 | .19624 | .18765 | 1.1801 | .40933 | .19380 | .31604 | 2.9096 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20644 | 2.1744 | .47981 | .07070 | 2.9628 | .29104 | .19843 |
| Stddev | .00025 | .0007  | .00342 | .00062 | .0065  | .00055 | .00386 |
| %RSD   | .11975 | .03209 | .71302 | .87530 | .21775 | .18911 | 1.9464 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20627 | 2.1739 | .47739 | .07026 | 2.9674 | .29065 | .19570 |
| #2 | .20662 | 2.1749 | .48223 | .07113 | 2.9583 | .29143 | .20116 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.696 | .40428 | .29503 | F -.00622 | .97945 | .63702 | .20389 |
| Stddev | .011   | .00145 | .00110 | .00037    | .00179 | .00362 | .00182 |
| %RSD   | .09979 | .35755 | .37358 | 5.9923    | .18263 | .56774 | .89377 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.704 | .40326 | .29581 | -.00649 | .98071 | .63446 | .20518 |
| #2 | 10.689 | .40530 | .29425 | -.00596 | .97818 | .63957 | .20260 |

Sample Name: PB115542BS      Acquired: 12/11/2018 16:24:56      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .21434 | 5.145  | .21835 | F 3.8712 | F<.00000 |
| Stddev | .00135 | .029   | .00033 | .0642    | .01270   |
| %RSD   | .62884 | .5632  | .15029 | 1.6575   | .92911   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21530 | 5.125 | .21812 | 3.9165 | -1.3578 |
| #2 | .21339 | 5.166 | .21858 | 3.8258 | -1.3758 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3389.6 | 46533. | 2296.6 | 99.833 | 3722.3 |
| Stddev    | 5.3    | 24.    | 5.4    | 1.827  | 10.1   |
| %RSD      | .15662 | .05201 | .23469 | 1.8297 | .27107 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3393.3 | 46551. | 2300.5 | 101.13 | 3729.5 |
| #2 | 3385.8 | 46516. | 2292.8 | 98.542 | 3715.2 |

Sample Name: PB115487BL      Acquired: 12/11/2018 16:28:46      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00081 | -.00176 | -.00134 | -.00098 | .00262  | .01019  | .00310  | -.00007  |
| Stddev | .00133  | .00023  | .00041  | .00056  | .00009  | .00322  | .00055  | .00004   |
| %RSD   | 164.68  | 13.167  | 30.593  | 56.886  | 3.3842  | 31.564  | 17.738  | 49.972   |
| #1     | -.00175 | -.00193 | -.00163 | -.00138 | .00255  | .01247  | .00349  | -.00005  |
| #2     | .00013  | -.00160 | -.00105 | -.00059 | .00268  | .00792  | .00271  | -.00010  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00001 | .01233  | -.00019 | -.00011 | .00010  | .00187  | -.00013 | .00765   |
| Stddev | .00013  | .00965  | .00034  | .00003  | .00017  | .00051  | .00008  | .00455   |
| %RSD   | 900.73  | 78.262  | 176.38  | 30.956  | 182.44  | 27.491  | 59.483  | 59.468   |
| #1     | .00008  | .00551  | -.00044 | -.00009 | .00022  | .00223  | -.00008 | .01086   |
| #2     | -.00011 | .01915  | .00005  | -.00014 | -.00003 | .00151  | -.00019 | .00443   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00019  | .00061  | -.26454 | .00046  | -.00025 | -.08455 | .00003  | -.01173  |
| Stddev | .00001  | .00042  | .00098  | .00007  | .00006  | .03817  | .00004  | .00121   |
| %RSD   | 3.8596  | 69.789  | .37010  | 14.448  | 24.675  | 45.142  | 121.92  | 10.301   |
| #1     | .00019  | .00090  | -.26523 | .00050  | -.00030 | -.11154 | .00000  | -.01258  |
| #2     | .00018  | .00031  | -.26384 | .00041  | -.00021 | -.05756 | .00006  | -.01087  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00110  | .00744  | -.00050 | .00403  | -.00315 | -.0012  | -.00016 | F 3.9128 |
| Stddev | .00171  | .00346  | .00065  | .00021  | .00039  | .0005   | .00007  | .0537    |
| %RSD   | 154.72  | 46.413  | 131.06  | 5.1998  | 12.308  | 44.99   | 42.150  | 1.3711   |
| #1     | .00231  | .00500  | -.00004 | .00417  | -.00287 | -.0008  | -.00020 | 3.8748   |
| #2     | -.00010 | .00989  | -.00096 | .00388  | -.00342 | -.0016  | -.00011 | 3.9507   |

Sample Name: PB115487BL      Acquired: 12/11/2018 16:28:46      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

Elem      U\_3859  
Units      ppm  
Avg      F .17378  
Stddev      .12092  
%RSD      69.579

#1      .08828  
#2      .25928

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3413.8 | 46459. | 2357.3 | 100.58 | 3799.7 |
| Stddev    | 3.2    | 13.    | 8.1    | .61    | 7.1    |
| %RSD      | .09424 | .02890 | .34455 | .60344 | .18644 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3411.5 | 46449. | 2351.5 | 101.01 | 3794.7 |
| #2 | 3416.1 | 46468. | 2363.0 | 100.15 | 3804.7 |

Sample Name: PB115558BS      Acquired: 12/11/2018 16:32:51      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .76668 | 1.9106 | .94805 | 1.9344 | .79251 | 1.9539 | .22126 |
| Stddev | .00939 | .0113  | .00253 | .0001  | .00273 | .0046  | .00093 |
| %RSD   | 1.2247 | .58984 | .26667 | .00788 | .34389 | .23342 | .41879 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76004 | 1.9186 | .94984 | 1.9346 | .79058 | 1.9571 | .22060 |
| #2 | .77332 | 1.9027 | .94627 | 1.9343 | .79443 | 1.9506 | .22191 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19477 | .18596 | 1.1427 | .40688 | .19198 | .31147 | 2.8657 |
| Stddev | .00014 | .00089 | .0282  | .00131 | .00061 | .00010 | .0421  |
| %RSD   | .07319 | .47600 | 2.4631 | .32151 | .31648 | .03230 | 1.4703 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19487 | .18659 | 1.1626 | .40780 | .19241 | .31140 | 2.8955 |
| #2 | .19467 | .18534 | 1.1228 | .40595 | .19155 | .31155 | 2.8359 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20540 | 2.0888 | .47739 | .06996 | 2.9178 | .29108 | .19650 |
| Stddev | .00006 | .0495  | .00131 | .00048 | .0021  | .00201 | .00102 |
| %RSD   | .02863 | 2.3672 | .27423 | .68569 | .07163 | .68991 | .51712 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20536 | 2.0539 | .47832 | .07030 | 2.9193 | .29250 | .19722 |
| #2 | .20544 | 2.1238 | .47647 | .06962 | 2.9163 | .28966 | .19578 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.522 | .39846 | .29029 | F -.00646 | .95761 | .63435 | .20428 |
| Stddev | .078   | .00029 | .01003 | .00201    | .00518 | .00292 | .00082 |
| %RSD   | .74150 | .07256 | 3.4566 | 31.118    | .54083 | .45997 | .40227 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.467 | .39867 | .29738 | -.00504 | .96127 | .63642 | .20370 |
| #2 | 10.577 | .39826 | .28319 | -.00788 | .95395 | .63229 | .20486 |

Sample Name: PB115558BS      Acquired: 12/11/2018 16:32:51      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
 Comment: DOD

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .21200 | 5.115  | .21382 | F 3.8189 | F<.00000 |
| Stddev | .00112 | .021   | .00041 | .0049    | .19027   |
| %RSD   | .52752 | .4011  | .19187 | .12808   | 22.476   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21280 | 5.130 | .21411 | 3.8154 | -.98107 |
| #2 | .21121 | 5.101 | .21353 | 3.8224 | -.71200 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3387.9 | 46359. | 2320.6 | 100.00 | 3711.8 |
| Stddev    | 5.0    | 204.   | .7     | .87    | 20.3   |
| %RSD      | .14627 | .43974 | .02867 | .87210 | .54666 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3384.4 | 46215. | 2320.1 | 99.383 | 3697.5 |
| #2 | 3391.4 | 46503. | 2321.0 | 100.62 | 3726.2 |

Sample Name: CCV05      Acquired: 12/11/2018 16:36:42      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0148 | 4.8848 | 4.9008 | 4.9344 | 5.0546 | 10.081 | 10.608 | .24400 |
| Stddev | .0008  | .0228  | .0169  | .0009  | .0070  | .101   | .068   | .00134 |
| %RSD   | .01637 | .46657 | .34392 | .01742 | .13836 | 1.0058 | .64012 | .54844 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.0154 | 4.9009 | 4.9127 | 4.9350 | 5.0496 | 10.153 | 10.656 | .24494 |
| #2 | 5.0143 | 4.8687 | 4.8888 | 4.9338 | 5.0595 | 10.010 | 10.560 | .24305 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4118 | 27.163 | 1.0116 | 2.4302 | 1.2525 | 4.8392 | 2.4802 | 25.818 |
| Stddev | .0015  | .069   | .0007  | .0005  | .0034  | .0297  | .0037  | .102   |
| %RSD   | .06122 | .25264 | .06810 | .02040 | .27200 | .61357 | .14956 | .39604 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4129 | 27.211 | 1.0120 | 2.4306 | 1.2501 | 4.8602 | 2.4828 | 25.891 |
| #2 | 2.4108 | 27.114 | 1.0111 | 2.4299 | 1.2549 | 4.8182 | 2.4776 | 25.746 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4072 | 1.1968 | 25.489 | 2.3970 | 2.4738 | 26.072 | 4.9999 | 5.1628 |
| Stddev | .0005  | .0017  | .083   | .0055  | .0050  | .088   | .0027  | .0104  |
| %RSD   | .02148 | .14285 | .32691 | .22907 | .20032 | .33841 | .05398 | .20067 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4075 | 1.1956 | 25.548 | 2.4009 | 2.4703 | 26.134 | 4.9980 | 5.1702 |
| #2 | 2.4068 | 1.1980 | 25.430 | 2.3931 | 2.4773 | 26.009 | 5.0018 | 5.1555 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7967 | 5.1687 | 4.8290 | 5.1249 | 5.2470 | 4.788  | 5.4647 | 5.1440 |
| Stddev | .0102  | .0046  | .0045  | .0265  | .0328  | .003   | .0304  | .0233  |
| %RSD   | .21331 | .08883 | .09339 | .51692 | .62444 | .0649  | .55564 | .45385 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 4.8039 | 5.1654 | 4.8322 | 5.1436 | 5.2702 | 4.790 | 5.4862 | 5.1275 |
| #2 | 4.7894 | 5.1719 | 4.8258 | 5.1061 | 5.2238 | 4.786 | 5.4433 | 5.1605 |

Sample Name: CCV05      Acquired: 12/11/2018 16:36:42      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.8770  
Stddev      .0145  
%RSD      .77425

#1      1.8667  
#2      1.8873

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3265.2 | 44294. | 2290.2 | 93.887 | 3398.2 |
| Stddev    | 8.5    | 235.   | 2.9    | .153   | 19.1   |
| %RSD      | .25982 | .52941 | .12532 | .16299 | .56341 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3259.2 | 44128. | 2288.2 | 93.779 | 3384.7 |
| #2 | 3271.2 | 44460. | 2292.2 | 93.996 | 3411.8 |

Sample Name: CCB05      Acquired: 12/11/2018 16:40:27      Type: Unk  
Method: P4-ICP2(v2642)      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    | -.00114 | -.00133 | -.00125 | -.00130 | .00188  | .00465  | .00307  | -.00005  |
| Stddev | .00035  | .00131  | .00009  | .00133  | .00175  | .00082  | .00088  | .00000   |
| %RSD   | 30.752  | 97.839  | 7.0039  | 102.39  | 93.430  | 17.594  | 28.685  | 8.4025   |
| #1     | -.00139 | -.00041 | -.00119 | -.00036 | .00312  | .00523  | .00245  | -.00004  |
| #2     | -.00090 | -.00226 | -.00131 | -.00224 | .00064  | .00407  | .00370  | -.00005  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00002  | .00066  | -.00007 | -.00025 | -.00001 | .00955  | -.00011 | -.06304  |
| Stddev | .00004  | .03033  | .00006  | .00015  | .00030  | .01425  | .00003  | .02692   |
| %RSD   | 194.02  | 4604.6  | 87.756  | 58.813  | 1991.4  | 149.26  | 25.576  | 42.709   |
| #1     | .00005  | .02210  | -.00003 | -.00015 | .00020  | -.00053 | -.00013 | -.08208  |
| #2     | -.00001 | -.02079 | -.00011 | -.00035 | -.00023 | .01962  | -.00009 | -.04400  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00026  | .00007  | -.27096 | .00028  | -.00023 | -.10507 | .00038  | -.00108  |
| Stddev | .00098  | .00003  | .01566  | .00025  | .00008  | .00250  | .00026  | .01081   |
| %RSD   | 373.36  | 37.734  | 5.7789  | 91.317  | 33.914  | 2.3749  | 67.844  | 1002.4   |
| #1     | .00095  | .00009  | -.28203 | .00046  | -.00028 | -.10683 | .00057  | .00657   |
| #2     | -.00043 | .00005  | -.25988 | .00010  | -.00017 | -.10330 | .00020  | -.00872  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00131 | .01183  | -.00008 | .00351  | -.00338 | -.0023  | -.00019 | F 4.2146 |
| Stddev | .00341  | .00198  | .00109  | .00071  | .00109  | .0016   | .00016  | .1195    |
| %RSD   | 260.10  | 16.731  | 1412.3  | 20.122  | 32.180  | 70.31   | 87.265  | 2.8359   |
| #1     | -.00373 | .01043  | -.00085 | .00301  | -.00415 | -.0034  | -.00007 | 4.1301   |
| #2     | .00110  | .01323  | .00070  | .00401  | -.00261 | -.0012  | -.00030 | 4.2991   |

Sample Name: CCB05      Acquired: 12/11/2018 16:40:27      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .06713 |
| Stddev | .63527   |
| %RSD   | 946.34   |

|    |         |
|----|---------|
| #1 | .51633  |
| #2 | -.38207 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3396.1 | 45850. | 2296.4 | 98.746 | 3754.6 |
| Stddev    | 16.0   | 54.    | 8.0    | 2.009  | 6.4    |
| %RSD      | .47196 | .11804 | .35033 | 2.0349 | .17018 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3384.8 | 45812. | 2302.1 | 97.325 | 3750.1 |
| #2 | 3407.4 | 45888. | 2290.7 | 100.17 | 3759.1 |

Sample Name: PB115487TB      Acquired: 12/11/2018 16:44:32      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

|        |         |         |         |        |        |        |        |         |
|--------|---------|---------|---------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00137 | -.00410 | -.00065 | .00258 | .00227 | .01974 | .00242 | -.00013 |
| Stddev | .00077  | .00161  | .00021  | .00001 | .00178 | .00449 | .00032 | .00002  |
| %RSD   | 56.144  | 39.142  | 31.642  | .52041 | 78.384 | 22.765 | 13.191 | 11.902  |

|    |         |         |         |        |        |        |        |         |
|----|---------|---------|---------|--------|--------|--------|--------|---------|
| #1 | -.00083 | -.00524 | -.00080 | .00259 | .00101 | .01656 | .00264 | -.00015 |
| #2 | -.00192 | -.00297 | -.00051 | .00258 | .00352 | .02292 | .00219 | -.00012 |

|        |         |        |        |         |         |        |         |        |
|--------|---------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00020 | .03024 | .00051 | -.00041 | -.00004 | .00241 | -.00002 | .03892 |
| Stddev | .00004  | .01213 | .00037 | .00016  | .00010  | .01377 | .00002  | .00536 |
| %RSD   | 19.578  | 40.096 | 72.221 | 37.652  | 220.01  | 571.56 | 92.177  | 13.766 |

|    |         |        |        |         |         |         |         |        |
|----|---------|--------|--------|---------|---------|---------|---------|--------|
| #1 | -.00023 | .02167 | .00025 | -.00030 | -.00011 | -.00733 | -.00001 | .04271 |
| #2 | -.00017 | .03882 | .00077 | -.00052 | .00002  | .01214  | -.00004 | .03513 |

|        |        |        |          |         |        |         |        |         |
|--------|--------|--------|----------|---------|--------|---------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924  | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00307 | .00269 | F 355.08 | -.00017 | .00082 | -.06657 | .00036 | -.00789 |
| Stddev | .00033 | .00009 | 3.69     | .00052  | .00011 | .01938  | .00034 | .01547  |
| %RSD   | 10.680 | 3.3268 | 1.0381   | 307.24  | 13.499 | 29.111  | 95.098 | 196.04  |

|    |        |        |        |         |        |         |        |         |
|----|--------|--------|--------|---------|--------|---------|--------|---------|
| #1 | .00284 | .00262 | 357.69 | .00020  | .00090 | -.08028 | .00012 | -.01883 |
| #2 | .00330 | .00275 | 352.48 | -.00054 | .00075 | -.05287 | .00059 | .00305  |

|        |        |        |        |        |         |        |         |          |
|--------|--------|--------|--------|--------|---------|--------|---------|----------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .00561 | .01409 | .00067 | .00143 | -.00314 | -.0013 | -.00014 | F 4.9106 |
| Stddev | .00309 | .00256 | .00039 | .00366 | .00012  | .0001  | .00004  | .0065    |
| %RSD   | 55.067 | 18.180 | 58.346 | 255.66 | 3.7715  | 6.618  | 26.518  | .13240   |

|    |        |        |        |         |         |        |         |        |
|----|--------|--------|--------|---------|---------|--------|---------|--------|
| #1 | .00343 | .01591 | .00039 | -.00116 | -.00323 | -.0013 | -.00011 | 4.9060 |
| #2 | .00780 | .01228 | .00094 | .00402  | -.00306 | -.0014 | -.00016 | 4.9152 |

Sample Name: PB115487TB      Acquired: 12/11/2018 16:44:32      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: W      Custom ID2:      Custom ID3:  
Comment: DOD

Elem      U\_3859  
Units      ppm  
Avg      F 1.1958  
Stddev      .2246  
%RSD      18.778

#1      1.0371  
#2      1.3546

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3223.5 | 43351. | 2323.0 | 97.833 | 3380.6 |
| Stddev    | 11.5   | 226.   | 23.1   | .448   | 23.8   |
| %RSD      | .35565 | .52211 | .99522 | .45775 | .70519 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3215.4 | 43191. | 2306.7 | 97.517 | 3363.7 |
| #2 | 3231.6 | 43511. | 2339.4 | 98.150 | 3397.5 |

Sample Name: PB115473BL      Acquired: 12/11/2018 16:48:43      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S      Custom ID2:      Custom ID3:  
Comment: DOD

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00008  | -.00066 | -.00154 | -.00149 | .00256  | .00273  | .00315  | -.00006  |
| Stddev | .00074  | .00102  | .00007  | .00246  | .00066  | .00392  | .00041  | .00004   |
| %RSD   | 900.96  | 154.63  | 4.7397  | 165.41  | 25.667  | 143.53  | 12.892  | 64.027   |
| #1     | -.00044 | -.00138 | -.00149 | -.00323 | .00303  | .00551  | .00343  | -.00003  |
| #2     | .00061  | .00006  | -.00159 | .00025  | .00210  | -.00004 | .00286  | -.00008  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00004 | .02317  | -.00006 | -.00021 | -.00019 | -.00344 | -.00013 | -.00975  |
| Stddev | .00009  | .01156  | .00023  | .00012  | .00010  | .01747  | .00004  | .00609   |
| %RSD   | 257.65  | 49.867  | 357.37  | 56.697  | 52.633  | 508.48  | 27.560  | 62.428   |
| #1     | .00003  | .03135  | -.00023 | -.00030 | -.00025 | -.01579 | -.00015 | -.01405  |
| #2     | -.00010 | .01500  | .00010  | -.00013 | -.00012 | .00892  | -.00010 | -.00545  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00020 | .00038  | -.20575 | .00032  | -.00023 | -.09747 | -.00000 | -.01272  |
| Stddev | .00046  | .00006  | .00142  | .00009  | .00006  | .03533  | .00055  | .01037   |
| %RSD   | 232.78  | 14.685  | .68878  | 28.470  | 25.836  | 36.248  | 70083.  | 81.481   |
| #1     | -.00052 | .00034  | -.20474 | .00038  | -.00027 | -.07249 | .00039  | -.02005  |
| #2     | .00013  | .00042  | -.20675 | .00026  | -.00018 | -.12245 | -.00039 | -.00539  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00372 | .00842  | -.00051 | .00392  | -.00249 | -.0000  | -.00014 | F 3.8088 |
| Stddev | .00213  | .00349  | .00072  | .00322  | .00155  | .0005   | .00006  | .0114    |
| %RSD   | 57.248  | 41.457  | 142.49  | 82.128  | 62.325  | 4988.   | 45.327  | .29968   |
| #1     | -.00522 | .00595  | -.00102 | .00620  | -.00139 | -.0004  | -.00010 | 3.8168   |
| #2     | -.00221 | .01089  | .00000  | .00164  | -.00358 | .0004   | -.00019 | 3.8007   |

Sample Name: PB115473BL      Acquired: 12/11/2018 16:48:43      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S      Custom ID2:      Custom ID3:  
Comment: DOD

Elem      U\_3859  
Units      ppm  
Avg      F .30097  
Stddev      .69214  
%RSD      229.97

#1      .79039  
#2      -.18845

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3417.9 | 46563. | 2330.0 | 98.271 | 3793.7 |
| Stddev    | 13.2   | 94.    | 20.5   | .548   | 10.8   |
| %RSD      | .38691 | .20253 | .87981 | .55765 | .28593 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3408.5 | 46496. | 2315.5 | 98.658 | 3801.4 |
| #2 | 3427.2 | 46629. | 2344.5 | 97.883 | 3786.1 |

Sample Name: PB115473BS      Acquired: 12/11/2018 16:52:49      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S      Custom ID2:      Custom ID3:  
Comment: DOD

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75223 | 1.8737 | .92771 | 1.8941 | .77950 | 1.9333 | .21704 |
| Stddev | .00075 | .0044  | .00672 | .0009  | .00323 | .0304  | .00117 |
| %RSD   | .10028 | .23521 | .72486 | .04929 | .41414 | 1.5709 | .54074 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75170 | 1.8769 | .93247 | 1.8934 | .77722 | 1.9118 | .21787 |
| #2 | .75277 | 1.8706 | .92296 | 1.8947 | .78178 | 1.9548 | .21621 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19223 | .18235 | 1.1030 | .40330 | .18857 | .30595 | 2.7795 |
| Stddev | .00034 | .00025 | .0230  | .00150 | .00090 | .00072 | .0171  |
| %RSD   | .17728 | .13740 | 2.0828 | .37291 | .47689 | .23563 | .61374 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19247 | .18252 | 1.1193 | .40224 | .18920 | .30544 | 2.7915 |
| #2 | .19199 | .18217 | 1.0868 | .40436 | .18793 | .30646 | 2.7674 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20276 | 2.0404 | .46697 | .06876 | 2.8772 | .28614 | .18993 |
| Stddev | .00050 | .0438  | .00113 | .00006 | .0137  | .00086 | .00292 |
| %RSD   | .24837 | 2.1485 | .24202 | .08516 | .47752 | .29989 | 1.5351 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20312 | 2.0714 | .46777 | .06880 | 2.8869 | .28553 | .19199 |
| #2 | .20241 | 2.0094 | .46617 | .06872 | 2.8675 | .28674 | .18787 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.384 | .39301 | .28553 | F -.00458 | .94186 | .62357 | .19907 |
| Stddev | .058   | .00042 | .00391 | .00316    | .00842 | .00380 | .00094 |
| %RSD   | .56086 | .10598 | 1.3677 | 68.939    | .89442 | .60876 | .47145 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.426 | .39271 | .28277 | -.00682 | .94782 | .62625 | .19973 |
| #2 | 10.343 | .39330 | .28829 | -.00235 | .93590 | .62089 | .19840 |

Sample Name: PB115473BS      Acquired: 12/11/2018 16:52:49      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S      Custom ID2:      Custom ID3:  
 Comment: DOD

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .20819 | 5.023  | .21014 | F 4.1640 | F<.00000 |
| Stddev | .00155 | .026   | .00167 | .0033    | .30016   |
| %RSD   | .74366 | .5192  | .79357 | .07951   | 28.201   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20928 | 5.041 | .21132 | 4.1616 | -.85212 |
| #2 | .20709 | 5.004 | .20896 | 4.1663 | -1.2766 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3385.1 | 45891. | 2315.6 | 101.53 | 3709.8 |
| Stddev    | 7.8    | 24.    | 27.6   | 1.57   | 11.1   |
| %RSD      | .22911 | .05281 | 1.1905 | 1.5437 | .29920 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3390.5 | 45908. | 2296.1 | 100.43 | 3701.9 |
| #2 | 3379.6 | 45874. | 2335.0 | 102.64 | 3717.6 |

Sample Name: PB115485BL      Acquired: 12/11/2018 16:56:41      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: S

|        |         |         |         |         |        |        |        |
|--------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00169 | -.00073 | -.00132 | -.00084 | .00313 | .00635 | .00326 |
| Stddev | .00227  | .00105  | .00121  | .00119  | .00116 | .00050 | .00001 |
| %RSD   | 134.25  | 144.35  | 91.309  | 142.05  | 37.060 | 7.8632 | .32493 |

|    |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00009 | -.00147 | -.00217 | -.00168 | .00231 | .00670 | .00326 |
| #2 | -.00329 | .00002  | -.00047 | .00000  | .00395 | .00599 | .00327 |

|        |         |         |        |         |         |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00005 | -.00003 | .01209 | -.00003 | -.00013 | .00003 | .00498 |
| Stddev | .00004  | .00004  | .00664 | .00069  | .00005  | .00036 | .00550 |
| %RSD   | 76.150  | 146.39  | 54.906 | 2508.3  | 41.062  | 1302.6 | 110.53 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | -.00002 | .00000  | .01678 | .00046  | -.00016 | .00028  | .00109 |
| #2 | -.00008 | -.00005 | .00739 | -.00051 | -.00009 | -.00023 | .00886 |

|        |         |        |        |        |         |        |         |
|--------|---------|--------|--------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00009 | .05533 | .00016 | .00047 | -.25479 | .00016 | -.00025 |
| Stddev | .00004  | .03679 | .00074 | .00005 | .00450  | .00013 | .00005  |
| %RSD   | 47.549  | 66.485 | 472.08 | 10.469 | 1.7645  | 86.607 | 19.050  |

|    |         |        |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|--------|---------|
| #1 | -.00006 | .08135 | .00068  | .00050 | -.25797 | .00006 | -.00021 |
| #2 | -.00011 | .02932 | -.00037 | .00043 | -.25161 | .00025 | -.00028 |

|        |         |         |         |         |        |         |        |
|--------|---------|---------|---------|---------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.11144 | -.00030 | -.00642 | -.00082 | .00927 | -.00137 | .00545 |
| Stddev | .02877  | .00015  | .00369  | .00006  | .00259 | .00053  | .00050 |
| %RSD   | 25.817  | 48.969  | 57.451  | 7.5427  | 27.922 | 38.536  | 9.1713 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.13179 | -.00020 | -.00381 | -.00086 | .01110 | -.00100 | .00510 |
| #2 | -.09110 | -.00041 | -.00903 | -.00077 | .00744 | -.00175 | .00580 |

Sample Name: PB115485BL      Acquired: 12/11/2018 16:56:41      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: S

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00289 | -0.0008 | -0.00013 | F 4.1157 | F<.00000 |
| Stddev | .00145   | .0002   | .00010   | .1558    | .61261   |
| %RSD   | 50.045   | 31.25   | 75.125   | 3.7844   | 430.89   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00391 | -0.0006 | -0.00006 | 4.2258 | -.57535 |
| #2 | -0.00187 | -0.0009 | -0.00020 | 4.0056 | .29101  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3383.1 | 45986. | 2315.9 | 99.958 | 3762.8 |
| Stddev    | 15.2   | 207.   | 24.8   | 1.662  | 6.9    |
| %RSD      | .45027 | .45060 | 1.0720 | 1.6624 | .18268 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3372.3 | 45840. | 2298.4 | 98.783 | 3758.0 |
| #2 | 3393.9 | 46133. | 2333.5 | 101.13 | 3767.7 |

Sample Name: PB115485BS      Acquired: 12/11/2018 17:04:46      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: S

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .74613 | 1.8314 | .92952 | 1.7855 | .77938 | 1.9874 | .22472 |
| Stddev | .00483 | .0090  | .00562 | .0110  | .00457 | .0145  | .00026 |
| %RSD   | .64676 | .48910 | .60455 | .61532 | .58648 | .72938 | .11685 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74954 | 1.8377 | .93349 | 1.7933 | .78261 | 1.9772 | .22490 |
| #2 | .74272 | 1.8251 | .92555 | 1.7778 | .77615 | 1.9977 | .22453 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18179 | .17908 | 1.1522 | .41057 | .19047 | .31309 | 2.9048 |
| Stddev | .00056 | .00104 | .0073  | .00114 | .00081 | .00156 | .0204  |
| %RSD   | .30716 | .58012 | .63583 | .27866 | .42693 | .49714 | .70232 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18218 | .17982 | 1.1574 | .41138 | .19105 | .31419 | 2.9192 |
| #2 | .18139 | .17835 | 1.1470 | .40976 | .18990 | .31199 | 2.8904 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20689 | 2.1735 | .47307 | .06594 | 3.0033 | .29318 | .19181 |
| Stddev | .00027 | .0204  | .00173 | .00061 | .0053  | .00268 | .00194 |
| %RSD   | .13206 | .93913 | .36644 | .93047 | .17771 | .91461 | 1.0108 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20708 | 2.1590 | .47430 | .06637 | 3.0071 | .29508 | .19319 |
| #2 | .20670 | 2.1879 | .47184 | .06550 | 2.9996 | .29129 | .19044 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.802 | .39754 | .29286 | 8.4269 | .92913 | .61673 | .21062 |
| Stddev | .020   | .00174 | .00729 | .0336  | .00115 | .00308 | .00125 |
| %RSD   | .18161 | .43691 | 2.4883 | .39868 | .12346 | .49953 | .59525 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.788 | .39877 | .28771 | 8.4507 | .92994 | .61891 | .20973 |
| #2 | 10.816 | .39631 | .29801 | 8.4031 | .92832 | .61455 | .21151 |

Sample Name: PB115485BS      Acquired: 12/11/2018 17:04:46      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment: S

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .21529 | 4.824  | .21918 | F 3.9113 | F<.00000 |
| Stddev | .00106 | .039   | .00089 | .0523    | .73497   |
| %RSD   | .49365 | .8109  | .40588 | 1.3379   | 43.729   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21454 | 4.852 | .21855 | 3.9483 | -1.1610 |
| #2 | .21605 | 4.796 | .21981 | 3.8743 | -2.2005 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3350.2 | 46661. | 2316.3 | 100.47 | 3735.0 |
| Stddev    | 23.1   | 226.   | 2.9    | 1.01   | 32.7   |
| %RSD      | .68991 | .48498 | .12433 | 1.0088 | .87555 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3333.9 | 46501. | 2314.2 | 99.750 | 3711.8 |
| #2 | 3366.5 | 46821. | 2318.3 | 101.18 | 3758.1 |

Sample Name: PB115543BL      Acquired: 12/11/2018 17:08:38      Type: Unk  
Method: P4-ICP2(v2642)      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    | .00218 | .00001 | -.00121 | -.00158 | .00244 | .00706 | .00364 |
| Stddev | .00035 | .00154 | .00025  | .00175  | .00076 | .00272 | .00038 |
| %RSD   | 16.059 | 11930. | 20.642  | 110.82  | 31.070 | 38.511 | 10.434 |

|    |        |         |         |         |        |        |        |
|----|--------|---------|---------|---------|--------|--------|--------|
| #1 | .00193 | -.00108 | -.00103 | -.00034 | .00190 | .00898 | .00338 |
| #2 | .00243 | .00111  | -.00139 | -.00282 | .00297 | .00514 | .00391 |

|        |         |         |        |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00005 | -.00006 | .01845 | -.00026 | -.00000 | -.00015 | -.00112 |
| Stddev | .00002  | .00009  | .00597 | .00020  | .00007  | .00017  | .01108  |
| %RSD   | 46.049  | 164.10  | 32.365 | 76.956  | 1996.0  | 117.93  | 986.91  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00006 | -.00012 | .01423 | -.00012 | -.00005 | -.00002 | .00671  |
| #2 | -.00003 | .00001  | .02267 | -.00040 | .00004  | -.00027 | -.00896 |

|        |         |        |         |        |         |         |         |
|--------|---------|--------|---------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00011 | .02480 | -.00015 | .00068 | -.24372 | -.00013 | -.00003 |
| Stddev | .00000  | .05868 | .00015  | .00010 | .00900  | .00006  | .00013  |
| %RSD   | 1.3929  | 236.64 | 98.552  | 14.627 | 3.6909  | 49.291  | 407.54  |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00010 | -.01670 | -.00005 | .00075 | -.23736 | -.00017 | -.00012 |
| #2 | -.00011 | .06629  | -.00025 | .00061 | -.25008 | -.00008 | .00006  |

|        |         |         |         |         |        |         |        |
|--------|---------|---------|---------|---------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.09551 | -.00008 | -.01352 | -.00085 | .01129 | -.00087 | .00185 |
| Stddev | .00588  | .00017  | .00630  | .00070  | .00176 | .00074  | .00027 |
| %RSD   | 6.1530  | 203.93  | 46.588  | 81.620  | 15.582 | 85.061  | 14.475 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.09136 | .00004  | -.00907 | -.00135 | .01005 | -.00035 | .00166 |
| #2 | -.09967 | -.00020 | -.01797 | -.00036 | .01254 | -.00139 | .00204 |

Sample Name: PB115543BL      Acquired: 12/11/2018 17:08:38      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |          |          |
|--------|---------|--------|---------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm     | ppm      | ppm      |
| Avg    | -.00065 | -.0015 | -.00015 | F 4.0134 | F<.00000 |
| Stddev | .00267  | .0004  | .00001  | .0927    | .06118   |
| %RSD   | 412.35  | 27.97  | 9.0298  | 2.3097   | 12.157   |

|    |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|
| #1 | -.00253 | -.0012 | -.00016 | 4.0790 | -.54650 |
| #2 | .00124  | -.0018 | -.00014 | 3.9479 | -.45998 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3407.2 | 46721. | 2274.1 | 98.992 | 3805.4 |
| Stddev    | 12.7   | 262.   | 14.4   | 2.451  | 7.2    |
| %RSD      | .37333 | .56001 | .63163 | 2.4763 | .18916 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3398.2 | 46536. | 2284.2 | 100.73 | 3800.3 |
| #2 | 3416.1 | 46906. | 2263.9 | 97.258 | 3810.5 |

Sample Name: PB115561BS      Acquired: 12/11/2018 17:12:42      Type: Unk  
Method: P4-ICP2(v2642)      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    | .75580 | 1.8745 | .93615 | 1.8293 | .78386 | 1.9812 | .22270 |
| Stddev | .00109 | .0048  | .00615 | .0041  | .00204 | .0088  | .00351 |
| %RSD   | .14389 | .25832 | .65686 | .22252 | .25973 | .44420 | 1.5767 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75657 | 1.8779 | .94050 | 1.8264 | .78530 | 1.9750 | .22022 |
| #2 | .75503 | 1.8711 | .93180 | 1.8322 | .78242 | 1.9874 | .22518 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18737 | .18222 | 1.1440 | .40971 | .19244 | .30812 | 2.7962 |
| Stddev | .00080 | .00084 | .0336  | .00264 | .00067 | .00061 | .0661  |
| %RSD   | .42737 | .46227 | 2.9375 | .64473 | .34559 | .19952 | 2.3626 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18680 | .18281 | 1.1202 | .40784 | .19291 | .30855 | 2.7495 |
| #2 | .18793 | .18162 | 1.1678 | .41158 | .19197 | .30768 | 2.8429 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20585 | 2.0833 | .47355 | .06805 | 2.9293 | .29208 | .18927 |
| Stddev | .00013 | .0566  | .00330 | .00024 | .0392  | .00014 | .00325 |
| %RSD   | .06234 | 2.7150 | .69744 | .35753 | 1.3367 | .04750 | 1.7193 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20576 | 2.1233 | .47589 | .06822 | 2.9016 | .29218 | .18697 |
| #2 | .20594 | 2.0433 | .47122 | .06787 | 2.9570 | .29198 | .19157 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.587 | .39983 | .29418 | F -.00135 | .93320 | .62933 | .20351 |
| Stddev | .170   | .00143 | .00890 | .00102    | .00664 | .00096 | .00365 |
| %RSD   | 1.6040 | .35808 | 3.0257 | 75.001    | .71139 | .15284 | 1.7915 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.467 | .40084 | .28788 | -.00064 | .92850 | .63001 | .20093 |
| #2 | 10.707 | .39882 | .30047 | -.00207 | .93789 | .62865 | .20609 |

Sample Name: PB115561BS      Acquired: 12/11/2018 17:12:42      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .21307 | 4.972  | .21846 | F 4.0972 | F<.00000 |
| Stddev | .00308 | .020   | .00400 | .0362    | .32903   |
| %RSD   | 1.4469 | .4091  | 1.8313 | .88352   | 28.786   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21089 | 4.986 | .21563 | 4.0716 | -1.3757 |
| #2 | .21525 | 4.957 | .22128 | 4.1228 | -.91035 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3399.3 | 46685. | 2340.9 | 104.06 | 3730.9 |
| Stddev    | 13.2   | 74.    | 14.6   | 1.82   | 20.7   |
| %RSD      | .38870 | .15795 | .62514 | 1.7497 | .55526 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3390.0 | 46633. | 2351.3 | 105.35 | 3716.2 |
| #2 | 3408.6 | 46737. | 2330.6 | 102.78 | 3745.5 |

Sample Name: PB115542BL      Acquired: 12/11/2018 17:16:34      Type: Unk  
Method: P4-ICP2(v2642)      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    | .00204 | -.00039 | -.00009 | -.00146 | .00208 | .01614 | .00294 |
| Stddev | .00075 | .00050  | .00094  | .00282  | .00062 | .00034 | .00014 |
| %RSD   | 36.818 | 129.59  | 1084.0  | 192.53  | 29.636 | 2.0890 | 4.8956 |

|    |        |         |         |         |        |        |        |
|----|--------|---------|---------|---------|--------|--------|--------|
| #1 | .00151 | -.00003 | -.00076 | .00053  | .00252 | .01590 | .00284 |
| #2 | .00257 | -.00074 | .00058  | -.00346 | .00165 | .01638 | .00304 |

|        |         |         |        |         |         |        |         |
|--------|---------|---------|--------|---------|---------|--------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00006 | -.00004 | .02355 | -.00018 | -.00007 | .00007 | -.00123 |
| Stddev | .00001  | .00003  | .01292 | .00026  | .00008  | .00003 | .00227  |
| %RSD   | 12.193  | 77.491  | 54.836 | 143.97  | 107.04  | 48.134 | 184.49  |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | -.00006 | -.00002 | .01442 | -.00037 | -.00002 | .00005 | -.00283 |
| #2 | -.00005 | -.00006 | .03269 | .00000  | -.00013 | .00009 | .00037  |

|        |         |         |         |        |         |        |         |
|--------|---------|---------|---------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00016 | -.03698 | -.00018 | .00022 | -.26347 | .00040 | -.00024 |
| Stddev | .00007  | .00875  | .00024  | .00025 | .00520  | .00003 | .00002  |
| %RSD   | 41.727  | 23.647  | 130.40  | 116.40 | 1.9738  | 6.8197 | 7.2504  |

|    |         |         |         |        |         |        |         |
|----|---------|---------|---------|--------|---------|--------|---------|
| #1 | -.00011 | -.04317 | -.00035 | .00004 | -.26715 | .00042 | -.00025 |
| #2 | -.00021 | -.03080 | -.00001 | .00039 | -.25980 | .00038 | -.00023 |

|        |         |        |         |         |        |         |        |
|--------|---------|--------|---------|---------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.10560 | .00002 | -.01019 | -.00043 | .01024 | -.00049 | .00472 |
| Stddev | .02246  | .00020 | .00188  | .00218  | .00089 | .00049  | .00176 |
| %RSD   | 21.267  | 1087.5 | 18.414  | 506.16  | 8.6744 | 99.206  | 37.285 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.12148 | .00016  | -.00886 | .00111  | .00962 | -.00084 | .00348 |
| #2 | -.08972 | -.00012 | -.01152 | -.00197 | .01087 | -.00015 | .00597 |

Sample Name: PB115542BL      Acquired: 12/11/2018 17:16:34      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00136 | -0.0027 | -0.00011 | F 4.0066 | F<.00000 |
| Stddev | .00075   | .0023   | .00002   | .1155    | .00635   |
| %RSD   | 55.269   | 84.58   | 13.769   | 2.8826   | 11.789   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00189 | -0.0043 | -0.00012 | 3.9249 | -.05839 |
| #2 | -0.00083 | -0.0011 | -0.00010 | 4.0882 | -.04941 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3376.5 | 46288. | 2279.0 | 99.767 | 3753.4 |
| Stddev    | 5.1    | 78.    | 25.7   | 3.323  | 2.5    |
| %RSD      | .15211 | .16825 | 1.1260 | 3.3312 | .06574 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3372.8 | 46233. | 2260.9 | 102.12 | 3755.1 |
| #2 | 3380.1 | 46344. | 2297.1 | 97.417 | 3751.6 |

Sample Name: PB115505BS      Acquired: 12/11/2018 17:20:38      Type: Unk  
Method: P4-ICP2(v2642)      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    | .73747 | 1.8204 | .91413 | 1.7879 | .76173 | 1.9271 | .22135 |
| Stddev | .00005 | .0009  | .00381 | .0095  | .00358 | .0052  | .00085 |
| %RSD   | .00687 | .05070 | .41697 | .53039 | .47058 | .27168 | .38399 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73751 | 1.8197 | .91682 | 1.7947 | .75920 | 1.9234 | .22195 |
| #2 | .73744 | 1.8210 | .91143 | 1.7812 | .76427 | 1.9308 | .22075 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18287 | .17729 | 1.1175 | .39785 | .18704 | .30048 | 2.7417 |
| Stddev | .00088 | .00052 | .0124  | .00187 | .00033 | .00170 | .0379  |
| %RSD   | .47914 | .29500 | 1.1116 | .47002 | .17720 | .56598 | 1.3816 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18225 | .17766 | 1.1263 | .39917 | .18727 | .30168 | 2.7685 |
| #2 | .18349 | .17692 | 1.1087 | .39653 | .18680 | .29928 | 2.7149 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20125 | 2.0977 | .46118 | .06704 | 2.9132 | .28370 | .18788 |
| Stddev | .00083 | .0493  | .00099 | .00049 | .0243  | .00083 | .00279 |
| %RSD   | .41265 | 2.3525 | .21380 | .72522 | .83562 | .29149 | 1.4832 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20066 | 2.0628 | .46187 | .06669 | 2.9304 | .28312 | .18985 |
| #2 | .20183 | 2.1326 | .46048 | .06738 | 2.8959 | .28429 | .18591 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.520 | .38928 | .28739 | F -.00045 | .94418 | .61187 | .20570 |
| Stddev | .008   | .00129 | .00184 | .00030    | .00262 | .00219 | .00093 |
| %RSD   | .07969 | .33059 | .63944 | 67.915    | .27798 | .35742 | .45058 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.526 | .39019 | .28869 | -.00066 | .94604 | .61341 | .20505 |
| #2 | 10.514 | .38837 | .28609 | -.00023 | .94233 | .61032 | .20636 |

Sample Name: PB115505BS      Acquired: 12/11/2018 17:20:38      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .21421 | 4.856  | .21698 | F 3.6346 | F<.00000 |
| Stddev | .00120 | .013   | .00060 | .4094    | .27191   |
| %RSD   | .55803 | .2621  | .27609 | 11.263   | 16.486   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21506 | 4.865 | .21740 | 3.9241 | -1.8416 |
| #2 | .21337 | 4.847 | .21655 | 3.3452 | -1.4571 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3401.4 | 47007. | 2296.8 | 102.90 | 3739.7 |
| Stddev    | 17.3   | 317.   | 29.7   | 2.02   | 25.1   |
| %RSD      | .50920 | .67438 | 1.2941 | 1.9641 | .66990 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3389.1 | 46783. | 2275.8 | 101.48 | 3722.0 |
| #2 | 3413.6 | 47231. | 2317.8 | 104.33 | 3757.4 |

Sample Name: PB115544BL      Acquired: 12/11/2018 17:24:29      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: DOD W

|        |        |         |         |         |        |        |        |
|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00104 | -.00111 | -.00131 | -.00174 | .00152 | .00886 | .00398 |
| Stddev | .00029 | .00081  | .00105  | .00353  | .00050 | .00626 | .00086 |
| %RSD   | 27.596 | 72.954  | 80.213  | 203.04  | 32.565 | 70.584 | 21.512 |

|    |        |         |         |         |        |        |        |
|----|--------|---------|---------|---------|--------|--------|--------|
| #1 | .00124 | -.00168 | -.00205 | -.00424 | .00117 | .00444 | .00338 |
| #2 | .00084 | -.00054 | -.00057 | .00076  | .00187 | .01329 | .00459 |

|        |         |         |        |         |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00007 | -.00002 | .02857 | -.00041 | .00019 | .00007 | .00628 |
| Stddev | .00002  | .00009  | .01383 | .00003  | .00002 | .00006 | .00701 |
| %RSD   | 28.754  | 514.66  | 48.408 | 8.0763  | 13.314 | 78.334 | 111.62 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00009 | -.00008 | .01879 | -.00039 | .00017 | .00011 | .01123 |
| #2 | -.00006 | .00005  | .03835 | -.00044 | .00020 | .00003 | .00132 |

|        |         |         |        |        |         |        |         |
|--------|---------|---------|--------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00014 | -.02112 | .00022 | .00055 | -.25971 | .00017 | -.00031 |
| Stddev | .00001  | .01942  | .00040 | .00029 | .00794  | .00064 | .00006  |
| %RSD   | 10.455  | 91.957  | 181.33 | 53.027 | 3.0563  | 370.96 | 20.067  |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00015 | -.03486 | .00050  | .00035 | -.25410 | -.00028 | -.00027 |
| #2 | -.00013 | -.00739 | -.00006 | .00076 | -.26533 | .00063  | -.00036 |

|        |         |         |         |         |        |         |        |
|--------|---------|---------|---------|---------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.14569 | -.00022 | -.01581 | -.00215 | .00918 | -.00104 | .00228 |
| Stddev | .00736  | .00009  | .00408  | .00150  | .00030 | .00033  | .00052 |
| %RSD   | 5.0532  | 41.051  | 25.822  | 69.828  | 3.2783 | 31.899  | 22.824 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.15090 | -.00016 | -.01870 | -.00109 | .00896 | -.00128 | .00265 |
| #2 | -.14049 | -.00028 | -.01293 | -.00321 | .00939 | -.00081 | .00191 |

Sample Name: PB115544BL      Acquired: 12/11/2018 17:24:29      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment: DOD W

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00105 | -0.0007 | -0.00023 | F 3.7313 | F<.00000 |
| Stddev | .00120   | .0003   | .00008   | .2151    | .37517   |
| %RSD   | 114.70   | 47.57   | 37.045   | 5.7645   | 2359.3   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00190 | -0.0004 | -0.00017 | 3.8833 | .24938  |
| #2 | -0.00020 | -0.0009 | -0.00028 | 3.5792 | -.28119 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3390.9 | 47050. | 2307.2 | 101.84 | 3769.8 |
| Stddev    | 7.9    | 578.   | 7.5    | .09    | 15.7   |
| %RSD      | .23331 | 1.2295 | .32710 | .08679 | .41631 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3385.3 | 46641. | 2301.8 | 101.90 | 3780.9 |
| #2 | 3396.5 | 47459. | 2312.5 | 101.78 | 3758.7 |

Sample Name: CCV06      Acquired: 12/11/2018 17:28:34      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: DOD W

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0080 | 4.8515 | 4.8877 | 4.9185 | 5.0613 | 10.025 | 10.777 | .24386 |
| Stddev | .0184  | .0355  | .0218  | .0032  | .0152  | .056   | .042   | .00184 |
| %RSD   | .36642 | .73132 | .44564 | .06498 | .29975 | .55775 | .38987 | .75255 |
| #1     | 4.9950 | 4.8264 | 4.8723 | 4.9208 | 5.0506 | 9.9850 | 10.747 | .24256 |
| #2     | 5.0209 | 4.8765 | 4.9031 | 4.9162 | 5.0721 | 10.064 | 10.807 | .24516 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3977 | 27.173 | .99415 | 2.4304 | 1.2439 | 4.7898 | 2.4734 | 26.387 |
| Stddev | .0072  | .004   | .00544 | .0087  | .0018  | .1132  | .0169  | .142   |
| %RSD   | .29915 | .01578 | .54692 | .35616 | .14076 | 2.3624 | .68257 | .53937 |
| #1     | 2.3927 | 27.170 | .99030 | 2.4243 | 1.2426 | 4.8698 | 2.4615 | 26.287 |
| #2     | 2.4028 | 27.176 | .99799 | 2.4365 | 1.2451 | 4.7098 | 2.4854 | 26.488 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3904 | 1.1995 | 25.923 | 2.3788 | 2.4516 | 26.584 | 5.0141 | 5.1687 |
| Stddev | .0089  | .0078  | .082   | .0199  | .0495  | .208   | .0067  | .0228  |
| %RSD   | .37357 | .64657 | .31573 | .83523 | 2.0174 | .78274 | .13410 | .44075 |
| #1     | 2.3841 | 1.1940 | 25.865 | 2.3648 | 2.4866 | 26.437 | 5.0094 | 5.1849 |
| #2     | 2.3967 | 1.2050 | 25.981 | 2.3929 | 2.4167 | 26.731 | 5.0189 | 5.1526 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7960 | 5.1981 | 4.7981 | 5.2650 | 5.3146 | 4.746  | 5.4750 | 4.5337 |
| Stddev | .0356  | .0317  | .0140  | .0160  | .0136  | .025   | .0299  | .1111  |
| %RSD   | .74205 | .60994 | .29070 | .30356 | .25674 | .5312  | .54552 | 2.4497 |
| #1     | 4.7709 | 5.1757 | 4.7883 | 5.2537 | 5.3049 | 4.728  | 5.4539 | 4.6123 |
| #2     | 4.8212 | 5.2205 | 4.8080 | 5.2763 | 5.3242 | 4.764  | 5.4961 | 4.4552 |

Sample Name: CCV06      Acquired: 12/11/2018 17:28:34      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: DOD W

Elem      U\_3859  
Units      ppm  
Avg      F 2.0668  
Stddev      .3749  
%RSD      18.137

#1      1.8018  
#2      2.3319

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3286.6 | 45007. | 2292.8 | 95.982 | 3426.6 |
| Stddev    | 5.2    | 99.    | 4.8    | 2.283  | 1.3    |
| %RSD      | .15776 | .22075 | .20993 | 2.3782 | .03919 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3282.9 | 45078. | 2296.2 | 94.368 | 3425.6 |
| #2 | 3290.2 | 44937. | 2289.4 | 97.596 | 3427.5 |

Sample Name: CCB06      Acquired: 12/11/2018 17:32:19      Type: Unk  
Method: P4-ICP2(v2642)      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    | .00102 | -.00009 | -.00171 | -.00247 | .00203 | .00629 | .00318 |
| Stddev | .00006 | .00035  | .00050  | .00093  | .00113 | .01781 | .00105 |
| %RSD   | 5.7332 | 399.99  | 29.071  | 37.574  | 55.814 | 282.96 | 32.946 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .00106 | -.00034 | -.00206 | -.00312 | .00123 | -.00630 | .00244 |
| #2 | .00098 | .00016  | -.00136 | -.00181 | .00283 | .01889  | .00392 |

|        |        |         |        |         |         |         |         |
|--------|--------|---------|--------|---------|---------|---------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00004 | -.00003 | .01680 | -.00038 | -.00006 | -.00014 | -.00196 |
| Stddev | .00002 | .00012  | .03472 | .00007  | .00017  | .00009  | .01547  |
| %RSD   | 66.551 | 400.95  | 206.75 | 18.657  | 261.42  | 62.731  | 789.76  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00002 | .00005  | -.00776 | -.00043 | .00006  | -.00008 | -.01290 |
| #2 | .00005 | -.00011 | .04135  | -.00033 | -.00019 | -.00021 | .00898  |

|        |         |        |        |        |         |        |         |
|--------|---------|--------|--------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00014 | .02756 | .00009 | .00069 | -.27258 | .00040 | -.00023 |
| Stddev | .00007  | .00345 | .00003 | .00002 | .00511  | .00037 | .00012  |
| %RSD   | 49.230  | 12.518 | 33.016 | 2.4934 | 1.8760  | 91.486 | 50.140  |

|    |         |        |        |        |         |        |         |
|----|---------|--------|--------|--------|---------|--------|---------|
| #1 | -.00009 | .03000 | .00011 | .00070 | -.27620 | .00066 | -.00032 |
| #2 | -.00019 | .02512 | .00007 | .00068 | -.26897 | .00014 | -.00015 |

|        |         |        |         |         |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.12054 | .00001 | -.00364 | -.00020 | .00896 | .00042 | .00276 |
| Stddev | .00646  | .00024 | .00287  | .00257  | .00355 | .00107 | .00194 |
| %RSD   | 5.3589  | 1805.6 | 78.804  | 1312.6  | 39.587 | 253.46 | 70.300 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.12511 | .00018  | -.00567 | .00162  | .01147 | .00117  | .00139 |
| #2 | -.11597 | -.00015 | -.00161 | -.00202 | .00645 | -.00033 | .00413 |

Sample Name: CCB06      Acquired: 12/11/2018 17:32:19      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00274 | -0.0018 | -0.00008 | F 3.7580 | F<.00000 |
| Stddev | .00072   | .0002   | .00003   | .1858    | .26878   |
| %RSD   | 26.336   | 8.461   | 38.561   | 4.9441   | 116.63   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00326 | -0.0017 | -0.00010 | 3.6266 | -.04040 |
| #2 | -0.00223 | -0.0019 | -0.00006 | 3.8894 | -.42051 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3402.1 | 46510. | 2300.0 | 99.917 | 3784.2 |
| Stddev    | 10.5   | 538.   | 20.6   | 2.640  | 31.6   |
| %RSD      | .30739 | 1.1562 | .89479 | 2.6421 | .83403 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3394.8 | 46891. | 2314.5 | 101.78 | 3761.9 |
| #2 | 3409.5 | 46130. | 2285.4 | 98.050 | 3806.5 |

Sample Name: PB115487BS      Acquired: 12/11/2018 17:36:25      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: DOD W

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .73573 | 1.8238 | .91139 | 1.7786 | .76310 | 1.9053 | .22225 |
| Stddev | .00127 | .0115  | .00889 | .0044  | .00564 | .0034  | .00055 |
| %RSD   | .17236 | .62987 | .97522 | .24734 | .73951 | .17705 | .24546 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73483 | 1.8157 | .90510 | 1.7754 | .76709 | 1.9077 | .22264 |
| #2 | .73662 | 1.8320 | .91767 | 1.7817 | .75911 | 1.9029 | .22186 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18276 | .17708 | 1.1398 | .39571 | .18729 | .30104 | 2.7870 |
| Stddev | .00016 | .00130 | .0089  | .00140 | .00112 | .00132 | .0286  |
| %RSD   | .08821 | .73359 | .78160 | .35284 | .59990 | .43719 | 1.0260 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18264 | .17616 | 1.1335 | .39670 | .18650 | .30197 | 2.7668 |
| #2 | .18287 | .17800 | 1.1461 | .39472 | .18808 | .30011 | 2.8073 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20076 | 2.1501 | .46188 | .06696 | 2.9083 | .28140 | .19274 |
| Stddev | .00007 | .0292  | .00307 | .00015 | .0053  | .00041 | .00216 |
| %RSD   | .03734 | 1.3563 | .66367 | .22957 | .18107 | .14445 | 1.1199 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20081 | 2.1295 | .45971 | .06685 | 2.9046 | .28111 | .19121 |
| #2 | .20071 | 2.1707 | .46405 | .06707 | 2.9120 | .28169 | .19426 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.502 | .39062 | .29630 | F -.00020 | .94132 | .61251 | .20574 |
| Stddev | .029   | .00006 | .00280 | .00225    | .00946 | .00314 | .00269 |
| %RSD   | .27536 | .01535 | .94660 | 1148.6    | 1.0045 | .51302 | 1.3069 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.481 | .39057 | .29828 | .00140  | .93464 | .61029 | .20383 |
| #2 | 10.522 | .39066 | .29432 | -.00179 | .94801 | .61473 | .20764 |

Sample Name: PB115487BS      Acquired: 12/11/2018 17:36:25      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment: DOD W

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .21433 | 4.826  | .21613 | F 3.7329 | F<.00000 |
| Stddev | .00068 | .034   | .00124 | .0018    | .06963   |
| %RSD   | .31752 | .6957  | .57145 | .04710   | 5.5084   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21481 | 4.803 | .21526 | 3.7341 | -1.3132 |
| #2 | .21385 | 4.850 | .21701 | 3.7316 | -1.2148 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3406.2 | 46950. | 2273.9 | 100.25 | 3749.1 |
| Stddev    | 15.4   | 61.    | 19.2   | .90    | 10.4   |
| %RSD      | .45251 | .13011 | .84270 | .89928 | .27704 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3395.3 | 46907. | 2287.5 | 100.89 | 3756.4 |
| #2 | 3417.1 | 46993. | 2260.4 | 99.617 | 3741.7 |

Sample Name: PB115548BL      Acquired: 12/11/2018 17:40:16      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: DOD W

|        |        |         |         |         |        |        |        |
|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00196 | -.00012 | -.00183 | -.00183 | .00276 | .00024 | .00379 |
| Stddev | .00102 | .00137  | .00009  | .00136  | .00273 | .00628 | .00072 |
| %RSD   | 52.164 | 1187.6  | 4.7872  | 74.208  | 99.005 | 2599.3 | 19.086 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .00268 | -.00108 | -.00189 | -.00087 | .00469 | -.00420 | .00328 |
| #2 | .00124 | .00085  | -.00177 | -.00278 | .00083 | .00468  | .00430 |

|        |         |         |        |         |         |         |        |
|--------|---------|---------|--------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00004 | -.00001 | .00938 | -.00020 | -.00003 | -.00021 | .00803 |
| Stddev | .00000  | .00007  | .00379 | .00028  | .00012  | .00021  | .00367 |
| %RSD   | 6.5689  | 861.34  | 40.409 | 139.42  | 400.26  | 100.67  | 45.638 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | -.00004 | .00004  | .01206 | -.00000 | .00005  | -.00006 | .00544 |
| #2 | -.00005 | -.00006 | .00670 | -.00040 | -.00011 | -.00036 | .01062 |

|        |         |         |        |        |         |        |         |
|--------|---------|---------|--------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00006 | -.00758 | .00016 | .00013 | -.26751 | .00034 | -.00027 |
| Stddev | .00007  | .01809  | .00004 | .00103 | .00578  | .00022 | .00003  |
| %RSD   | 106.10  | 238.67  | 25.543 | 794.98 | 2.1614  | 64.061 | 12.840  |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | -.00002 | .00521  | .00013 | .00086  | -.27160 | .00019 | -.00030 |
| #2 | -.00011 | -.02037 | .00019 | -.00060 | -.26342 | .00049 | -.00025 |

|        |         |         |         |         |        |         |        |
|--------|---------|---------|---------|---------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.12334 | -.00003 | -.01243 | -.00053 | .00822 | -.00065 | .00404 |
| Stddev | .02286  | .00001  | .00467  | .00378  | .00342 | .00038  | .00134 |
| %RSD   | 18.535  | 33.263  | 37.580  | 706.52  | 41.618 | 57.420  | 33.153 |

|    |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.10718 | -.00004 | -.00913 | -.00320 | .01064 | -.00092 | .00309 |
| #2 | -.13951 | -.00003 | -.01573 | .00214  | .00580 | -.00039 | .00498 |

Sample Name: PB115548BL      Acquired: 12/11/2018 17:40:16      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: DOD W

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00286 | -0.0009 | -0.00015 | F 3.6280 | F<.00000 |
| Stddev | .00063   | .0012   | .00003   | .1195    | .23363   |
| %RSD   | 21.992   | 138.8   | 23.011   | 3.2948   | 470.86   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00242 | -0.0000 | -0.00012 | 3.7125 | .11558  |
| #2 | -0.00331 | -0.0017 | -0.00017 | 3.5434 | -.21482 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3392.3 | 46803. | 2305.4 | 100.72 | 3759.9 |
| Stddev    | 25.6   | 17.    | 3.2    | .19    | 14.4   |
| %RSD      | .75603 | .03592 | .14081 | .18722 | .38428 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3410.4 | 46791. | 2307.7 | 100.85 | 3770.1 |
| #2 | 3374.2 | 46815. | 2303.1 | 100.58 | 3749.6 |

Sample Name: PB115558BL      Acquired: 12/11/2018 17:48:13      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00037 | -.00181 | -.00116 | -.00028 | .00043  | .01410  | .00342  | -.00007  |
| Stddev | .00071  | .00121  | .00034  | .00069  | .00061  | .00917  | .00011  | .00011   |
| %RSD   | 189.80  | 66.847  | 28.936  | 248.47  | 141.08  | 65.044  | 3.1293  | 175.98   |
| #1     | .00013  | -.00096 | -.00140 | .00021  | .00000  | .00761  | .00350  | -.00015  |
| #2     | -.00087 | -.00267 | -.00092 | -.00076 | .00086  | .02058  | .00335  | .00002   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00009 | .02589  | -.00036 | -.00012 | -.00042 | .00381  | -.00011 | -.02040  |
| Stddev | .00003  | .00254  | .00016  | .00000  | .00004  | .00591  | .00002  | .01537   |
| %RSD   | 32.655  | 9.8283  | 46.173  | .21286  | 9.2754  | 155.13  | 16.498  | 75.348   |
| #1     | -.00012 | .02409  | -.00024 | -.00012 | -.00045 | -.00037 | -.00012 | -.03127  |
| #2     | -.00007 | .02769  | -.00047 | -.00012 | -.00040 | .00799  | -.00009 | -.00953  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00017  | .00025  | -.27854 | .00022  | -.00029 | -.13932 | -.00014 | -.00210  |
| Stddev | .00028  | .00004  | .00491  | .00001  | .00001  | .01050  | .00030  | .00406   |
| %RSD   | 166.75  | 17.843  | 1.7618  | 3.2953  | 3.0769  | 7.5398  | 205.23  | 193.18   |
| #1     | .00037  | .00022  | -.27507 | .00022  | -.00029 | -.14675 | .00007  | .00077   |
| #2     | -.00003 | .00028  | -.28201 | .00021  | -.00030 | -.13190 | -.00035 | -.00497  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00068 | .01295  | -.00088 | .00404  | -.00364 | -.0024  | -.00023 | F 3.9312 |
| Stddev | .00012  | .00066  | .00007  | .00068  | .00085  | .0005   | .00004  | .1890    |
| %RSD   | 18.488  | 5.0908  | 7.5870  | 16.931  | 23.425  | 22.18   | 17.804  | 4.8076   |
| #1     | -.00059 | .01342  | -.00083 | .00356  | -.00424 | -.0027  | -.00026 | 4.0649   |
| #2     | -.00076 | .01249  | -.00093 | .00452  | -.00303 | -.0020  | -.00020 | 3.7976   |

Sample Name: PB115558BL      Acquired: 12/11/2018 17:48:13      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .13154  
Stddev      .53050  
%RSD      403.31

#1      .50666  
#2      -.24359

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3388.2 | 46305. | 2272.3 | 99.083 | 3767.7 |
| Stddev    | 19.3   | 462.   | 22.8   | .695   | 3.9    |
| %RSD      | .57103 | .99801 | 1.0036 | .70175 | .10329 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3374.6 | 45979. | 2256.2 | 98.592 | 3764.9 |
| #2 | 3401.9 | 46632. | 2288.4 | 99.575 | 3770.4 |

Sample Name: PB115396BS      Acquired: 12/11/2018 17:52:19      Type: Unk  
Method: P4-ICP2(v2642)      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    | .73866 | 1.8547 | .91840 | 1.8571    | .76643 | 1.9140 | .21719 |
| Stddev | .00121 | .0023  | .00159 | .0014     | .00178 | .0152  | .00014 |
| %RSD   | .16415 | .12432 | .17289 | .07586    | .23194 | .79380 | .06414 |
| #1     | .73951 | 1.8563 | .91953 | 1.8581    | .76517 | 1.9033 | .21709 |
| #2     | .73780 | 1.8531 | .91728 | 1.8561    | .76768 | 1.9248 | .21729 |
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677    | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | .18931 | .18023 | 1.1079 | .39565    | .18644 | .30128 | 2.7730 |
| Stddev | .00124 | .00033 | .0346  | .00260    | .00048 | .00021 | .0025  |
| %RSD   | .65753 | .18203 | 3.1204 | .65590    | .25764 | .07075 | .09131 |
| #1     | .18843 | .18046 | 1.0835 | .39382    | .18678 | .30113 | 2.7712 |
| #2     | .19019 | .18000 | 1.1324 | .39749    | .18610 | .30143 | 2.7748 |
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280    | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | .20053 | 2.1417 | .46187 | .06781    | 2.8449 | .28030 | .19157 |
| Stddev | .00009 | .0890  | .00191 | .00014    | .0150  | .00104 | .00156 |
| %RSD   | .04416 | 4.1548 | .41364 | .20860    | .52619 | .37176 | .81401 |
| #1     | .20047 | 2.0788 | .46322 | .06771    | 2.8343 | .27956 | .19047 |
| #2     | .20059 | 2.2047 | .46052 | .06791    | 2.8555 | .28104 | .19267 |
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.360 | .38743 | .28648 | F -.00432 | .93932 | .61314 | .20097 |
| Stddev | .046   | .00064 | .00708 | .00144    | .00274 | .00117 | .00158 |
| %RSD   | .44671 | .16447 | 2.4708 | 33.348    | .29222 | .19020 | .78493 |
| #1     | 10.327 | .38698 | .29149 | -.00534   | .93738 | .61397 | .20208 |
| #2     | 10.392 | .38788 | .28148 | -.00330   | .94126 | .61232 | .19985 |

Sample Name: PB115396BS      Acquired: 12/11/2018 17:52:19      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .21043 | 4.937  | .21080 | F 4.0509 | F<.00000 |
| Stddev | .00183 | .001   | .00146 | .0055    | .05838   |
| %RSD   | .86740 | .0097  | .69035 | .13518   | 6.6978   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21172 | 4.938 | .20977 | 4.0548 | -.91293 |
| #2 | .20914 | 4.937 | .21182 | 4.0471 | -.83037 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3386.1 | 46149. | 2281.2 | 99.375 | 3707.4 |
| Stddev    | 10.2   | 91.    | 4.7    | .471   | 14.6   |
| %RSD      | .30005 | .19692 | .20401 | .47437 | .39331 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3378.9 | 46085. | 2277.9 | 99.708 | 3697.1 |
| #2 | 3393.3 | 46213. | 2284.5 | 99.042 | 3717.7 |

Sample Name: PB115558TB      Acquired: 12/11/2018 17:56:11      Type: Unk  
Method: P4-ICP2(v2642)      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    | -.00301 | -.00445 | .00059 | .00195 | .00277 | .01099 | .00255 | -.00010 |
| Stddev | .00152  | .00040  | .00029 | .00206 | .00113 | .00473 | .00006 | .00002  |
| %RSD   | 50.573  | 9.0170  | 49.291 | 105.60 | 40.695 | 43.061 | 2.5289 | 19.079  |

|    |         |         |        |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|--------|---------|
| #1 | -.00193 | -.00417 | .00038 | .00049 | .00356 | .01434 | .00259 | -.00009 |
| #2 | -.00409 | -.00474 | .00079 | .00340 | .00197 | .00765 | .00250 | -.00011 |

|        |         |         |        |         |         |        |        |         |
|--------|---------|---------|--------|---------|---------|--------|--------|---------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00011 | -.00610 | .00061 | -.00028 | -.00051 | .00876 | .00002 | -.01939 |
| Stddev | .00004  | .00070  | .00021 | .00014  | .00033  | .00043 | .00005 | .00567  |
| %RSD   | 32.231  | 11.416  | 34.242 | 50.503  | 64.694  | 4.8999 | 271.55 | 29.226  |

|    |         |         |        |         |         |        |         |         |
|----|---------|---------|--------|---------|---------|--------|---------|---------|
| #1 | -.00014 | -.00660 | .00046 | -.00018 | -.00027 | .00906 | -.00002 | -.02339 |
| #2 | -.00009 | -.00561 | .00076 | -.00037 | -.00074 | .00846 | .00006  | -.01538 |

|        |        |          |          |        |        |         |        |         |
|--------|--------|----------|----------|--------|--------|---------|--------|---------|
| Elem   | Ni2316 | Ag3280   | Na5895   | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm      | ppm      | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00295 | F .00308 | F 404.38 | .00039 | .00029 | -.06488 | .00035 | -.00885 |
| Stddev | .00002 | .00061   | .79      | .00069 | .00014 | .01113  | .00001 | .00477  |
| %RSD   | .64150 | 19.738   | .19626   | 178.57 | 48.080 | 17.157  | 2.1750 | 53.953  |

|    |        |        |        |         |        |         |        |         |
|----|--------|--------|--------|---------|--------|---------|--------|---------|
| #1 | .00297 | .00350 | 403.82 | .00087  | .00019 | -.05701 | .00035 | -.01222 |
| #2 | .00294 | .00265 | 404.94 | -.00010 | .00038 | -.07275 | .00036 | -.00547 |

|        |          |        |         |        |         |        |         |          |
|--------|----------|--------|---------|--------|---------|--------|---------|----------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670   |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | F .00512 | .03299 | -.00009 | .00435 | -.00081 | -.0008 | -.00010 | F 4.8668 |
| Stddev | .00175   | .01253 | .00024  | .00208 | .00081  | .0024  | .00004  | .0208    |
| %RSD   | 34.244   | 37.971 | 286.29  | 47.830 | 100.30  | 288.4  | 37.745  | .42808   |

|    |        |        |         |        |         |        |         |        |
|----|--------|--------|---------|--------|---------|--------|---------|--------|
| #1 | .00636 | .02413 | .00009  | .00288 | -.00139 | .0009  | -.00007 | 4.8521 |
| #2 | .00388 | .04184 | -.00026 | .00583 | -.00024 | -.0025 | -.00013 | 4.8815 |

Sample Name: PB115558TB      Acquired: 12/11/2018 17:56:11      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.4683 |
| Stddev | .2129    |
| %RSD   | 14.497   |

|    |        |
|----|--------|
| #1 | 1.3178 |
| #2 | 1.6189 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3149.1 | 43367. | 2266.9 | 97.671 | 3281.6 |
| Stddev    | 12.4   | 257.   | 7.4    | 1.408  | 5.1    |
| %RSD      | .39536 | .59185 | .32624 | 1.4419 | .15447 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3140.3 | 43549. | 2261.7 | 96.675 | 3278.0 |
| #2 | 3157.9 | 43186. | 2272.2 | 98.667 | 3285.1 |

Sample Name: PB115561BL      Acquired: 12/11/2018 18:00:22      Type: Unk  
Method: P4-ICP2(v2642)      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    | -.00042 | -.00133 | -.00117 | -.00001 | .00073  | .00967  | .00286  | -.00006  |
| Stddev | .00130  | .00068  | .00126  | .00131  | .00079  | .00859  | .00021  | .00002   |
| %RSD   | 312.47  | 51.451  | 107.50  | 9686.7  | 108.22  | 88.889  | 7.3728  | 26.336   |
| #1     | -.00133 | -.00181 | -.00206 | .00091  | .00128  | .01574  | .00301  | -.00005  |
| #2     | .00050  | -.00085 | -.00028 | -.00094 | .00017  | .00359  | .00271  | -.00007  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00008 | .00543  | -.00029 | -.00019 | .00017  | .00529  | -.00007 | .03103   |
| Stddev | .00003  | .00673  | .00020  | .00019  | .00027  | .00097  | .00003  | .00917   |
| %RSD   | 38.460  | 123.80  | 69.193  | 98.329  | 165.35  | 18.338  | 43.615  | 29.563   |
| #1     | -.00010 | .00068  | -.00015 | -.00032 | -.00003 | .00597  | -.00009 | .03752   |
| #2     | -.00006 | .01019  | -.00043 | -.00006 | .00036  | .00460  | -.00005 | .02454   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00010  | .00054  | -.22244 | .00055  | -.00029 | -.09723 | -.00009 | -.00799  |
| Stddev | .00012  | .00025  | .00522  | .00005  | .00000  | .00415  | .00017  | .00539   |
| %RSD   | 122.29  | 47.413  | 2.3480  | 9.2116  | .71858  | 4.2730  | 176.44  | 67.440   |
| #1     | .00018  | .00072  | -.21875 | .00058  | -.00028 | -.10017 | .00002  | -.01180  |
| #2     | .00001  | .00036  | -.22613 | .00051  | -.00029 | -.09429 | -.00021 | -.00418  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00033 | .00943  | -.00137 | .00290  | -.00147 | -.0030  | -.00011 | F 3.6404 |
| Stddev | .00071  | .00051  | .00043  | .00050  | .00242  | .0000   | .00003  | .1029    |
| %RSD   | 213.93  | 5.4151  | 31.653  | 17.156  | 164.52  | .2306   | 28.601  | 2.8259   |
| #1     | .00017  | .00979  | -.00168 | .00325  | .00024  | -.0030  | -.00014 | 3.7132   |
| #2     | -.00083 | .00907  | -.00106 | .00255  | -.00318 | -.0030  | -.00009 | 3.5677   |

Sample Name: PB115561BL      Acquired: 12/11/2018 18:00:22      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .33153  
Stddev      .21376  
%RSD      64.477

#1      .18037  
#2      .48268

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3370.6 | 46652. | 2311.8 | 100.01 | 3747.5 |
| Stddev    | 34.2   | 64.    | 1.6    | .62    | 63.6   |
| %RSD      | 1.0159 | .13749 | .07132 | .62456 | 1.6970 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3394.8 | 46607. | 2310.6 | 100.45 | 3792.5 |
| #2 | 3346.4 | 46698. | 2312.9 | 99.567 | 3702.5 |

Sample Name: PB115544BS      Acquired: 12/11/2018 18:04:27      Type: Unk  
Method: P4-ICP2(v2642)      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    | .75032 | 1.8662 | .92376 | 1.8840 | .77746 | 1.9055 | .21976 |
| Stddev | .00351 | .0198  | .00731 | .0069  | .00266 | .0016  | .00084 |
| %RSD   | .46759 | 1.0620 | .79118 | .36903 | .34229 | .08188 | .38101 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74783 | 1.8521 | .91859 | 1.8791 | .77557 | 1.9066 | .21917 |
| #2 | .75280 | 1.8802 | .92892 | 1.8889 | .77934 | 1.9044 | .22035 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18950 | .18129 | 1.1071 | .39568 | .18775 | .30405 | 2.8040 |
| Stddev | .00016 | .00150 | .0064  | .00000 | .00257 | .00170 | .0026  |
| %RSD   | .08478 | .82811 | .57446 | .00097 | 1.3674 | .55975 | .09356 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18962 | .18023 | 1.1115 | .39568 | .18593 | .30285 | 2.8021 |
| #2 | .18939 | .18235 | 1.1026 | .39568 | .18956 | .30526 | 2.8058 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20045 | 2.1162 | .46516 | .06792 | 2.9110 | .27941 | .19323 |
| Stddev | .00008 | .0414  | .00389 | .00023 | .0226  | .00067 | .00022 |
| %RSD   | .04089 | 1.9574 | .83684 | .34416 | .77630 | .24109 | .11526 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20051 | 2.1455 | .46241 | .06808 | 2.9270 | .27894 | .19308 |
| #2 | .20039 | 2.0869 | .46792 | .06775 | 2.8950 | .27989 | .19339 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.374 | .39206 | .28014 | F -.00430 | .95158 | .61863 | .20477 |
| Stddev | .017   | .00365 | .01523 | .00118    | .00201 | .00615 | .00106 |
| %RSD   | .16438 | .92983 | 5.4365 | 27.455    | .21091 | .99377 | .51733 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.386 | .38948 | .26937 | -.00347 | .95300 | .61428 | .20402 |
| #2 | 10.362 | .39464 | .29091 | -.00514 | .95016 | .62298 | .20552 |

Sample Name: PB115544BS      Acquired: 12/11/2018 18:04:27      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .21248 | 4.981  | .21344 | F 4.0863 | F<.00000 |
| Stddev | .00189 | .060   | .00062 | .0050    | .32041   |
| %RSD   | .89158 | 1.209  | .28846 | .12240   | 25.197   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21114 | 4.938 | .21387 | 4.0898 | -1.4982 |
| #2 | .21382 | 5.023 | .21300 | 4.0827 | -1.0450 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3371.9 | 46186. | 2261.6 | 98.954 | 3706.1 |
| Stddev    | 8.1    | 47.    | 12.9   | .218   | 31.5   |
| %RSD      | .23892 | .10269 | .57246 | .22033 | .85013 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3377.6 | 46220. | 2252.4 | 98.800 | 3728.4 |
| #2 | 3366.2 | 46152. | 2270.7 | 99.108 | 3683.8 |

Sample Name: PB115561TB      Acquired: 12/11/2018 18:08:16      Type: Unk  
Method: P4-ICP2(v2642)      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    | -.00481 | -.00323 | -.00136 | .00051 | .00232 | .00666 | .00247 | -.00012 |
| Stddev | .00311  | .00043  | .00061  | .00001 | .00023 | .00975 | .00041 | .00000  |
| %RSD   | 64.630  | 13.319  | 44.620  | 1.6822 | 10.033 | 146.36 | 16.658 | 1.2870  |

|    |         |         |         |        |        |         |        |         |
|----|---------|---------|---------|--------|--------|---------|--------|---------|
| #1 | -.00261 | -.00292 | -.00179 | .00051 | .00248 | .01355  | .00218 | -.00012 |
| #2 | -.00702 | -.00353 | -.00093 | .00050 | .00215 | -.00023 | .00276 | -.00012 |

|        |         |        |        |         |         |        |         |         |
|--------|---------|--------|--------|---------|---------|--------|---------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00009 | .02487 | .00053 | -.00046 | -.00044 | .00679 | -.00000 | -.02138 |
| Stddev | .00002  | .01781 | .00015 | .00011  | .00007  | .00729 | .00003  | .00341  |
| %RSD   | 24.488  | 71.623 | 27.514 | 23.222  | 16.141  | 107.31 | 634.73  | 15.953  |

|    |         |        |        |         |         |        |         |         |
|----|---------|--------|--------|---------|---------|--------|---------|---------|
| #1 | -.00008 | .03747 | .00043 | -.00053 | -.00039 | .00164 | -.00003 | -.02379 |
| #2 | -.00011 | .01228 | .00063 | -.00038 | -.00049 | .01195 | .00002  | -.01897 |

|        |        |        |          |         |        |         |        |         |
|--------|--------|--------|----------|---------|--------|---------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924  | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm      | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00296 | .00216 | F 369.87 | -.00028 | .00080 | -.07378 | .00022 | -.00770 |
| Stddev | .00014 | .00002 | .75      | .00049  | .00002 | .00338  | .00016 | .00051  |
| %RSD   | 4.6719 | 1.0602 | .20192   | 177.00  | 3.0230 | 4.5791  | 69.750 | 6.5822  |

|    |        |        |        |         |        |         |        |         |
|----|--------|--------|--------|---------|--------|---------|--------|---------|
| #1 | .00286 | .00217 | 369.34 | -.00063 | .00082 | -.07139 | .00033 | -.00806 |
| #2 | .00305 | .00214 | 370.40 | .00007  | .00079 | -.07617 | .00011 | -.00734 |

|        |          |        |        |        |         |        |         |          |
|--------|----------|--------|--------|--------|---------|--------|---------|----------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | F .00524 | .01565 | .00030 | .00396 | -.00036 | -.0011 | -.00013 | F 4.7058 |
| Stddev | .00019   | .00286 | .00060 | .00064 | .00124  | .0021  | .00006  | .0526    |
| %RSD   | 3.5976   | 18.277 | 197.22 | 16.175 | 348.48  | 183.8  | 42.123  | 1.1178   |

|    |        |        |         |        |         |        |         |        |
|----|--------|--------|---------|--------|---------|--------|---------|--------|
| #1 | .00510 | .01767 | .00073  | .00351 | -.00124 | -.0026 | -.00009 | 4.6686 |
| #2 | .00537 | .01363 | -.00012 | .00442 | .00052  | .0003  | -.00017 | 4.7430 |

Sample Name: PB115561TB      Acquired: 12/11/2018 18:08:16      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .88756 |
| Stddev | .51347   |
| %RSD   | 57.852   |

|    |        |
|----|--------|
| #1 | 1.2506 |
| #2 | .52448 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3228.0 | 43737. | 2267.4 | 95.346 | 3385.4 |
| Stddev    | 37.9   | 114.   | 22.5   | 1.986  | 31.6   |
| %RSD      | 1.1726 | .25965 | .99342 | 2.0827 | .93485 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3201.3 | 43657. | 2251.5 | 93.942 | 3363.0 |
| #2 | 3254.8 | 43817. | 2283.3 | 96.750 | 3407.8 |

Sample Name: J6316-01      Acquired: 12/11/2018 18:12:26      Type: Unk  
Method: P4-ICP2(v2642)      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    | 1.9507   | -.01960 | 3.3041 | -.04345 | .03834 | 138.31   | 1.3153  | .01137  |
| Stddev | .0009    | .00097  | .0017  | .00141  | .00041 | .36      | .0090   | .00018  |
| %RSD   | .04461   | 4.9694  | .05140 | 3.2560  | 1.0810 | .25722   | .68666  | 1.5732  |
| #1     | 1.9513   | -.02029 | 3.3029 | -.04245 | .03864 | 138.57   | 1.3089  | .01150  |
| #2     | 1.9501   | -.01891 | 3.3053 | -.04446 | .03805 | 138.06   | 1.3217  | .01125  |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404   | Mn2576  | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm      | ppm     | ppm     |
| Avg    | .00049   | 168.64  | .42728 | .20992  | 2.2268 | F 976.24 | 8.9585  | 109.37  |
| Stddev | .00088   | 1.21    | .00216 | .00175  | .0068  | 7.37     | .0250   | 1.03    |
| %RSD   | 178.96   | .71877  | .50525 | .83435  | .30641 | .75490   | .27966  | .93951  |
| #1     | .00111   | 167.78  | .42575 | .21116  | 2.2316 | 971.03   | 8.9762  | 108.64  |
| #2     | -.00013  | 169.49  | .42881 | .20868  | 2.2219 | 981.46   | 8.9408  | 110.09  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664   | Mo2020  | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm      | ppm     | ppm     |
| Avg    | .81129   | -.01202 | 3.9144 | .52635  | 2.2364 | 13.365   | .03871  | -.12276 |
| Stddev | .00027   | .00153  | .0186  | .00075  | .0135  | .071     | .00036  | .00258  |
| %RSD   | .03314   | 12.719  | .47409 | .14300  | .60154 | .53120   | .93769  | 2.0995  |
| #1     | .81148   | -.01310 | 3.9013 | .52582  | 2.2269 | 13.315   | .03897  | -.12094 |
| #2     | .81110   | -.01094 | 3.9275 | .52688  | 2.2459 | 13.415   | .03846  | -.12459 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774   | Sr4077  | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm      | ppm     | ppm     |
| Avg    | F 23.174 | 2.7102  | .32552 | 4.3636  | .20128 | 9.479    | -.56891 | <.00000 |
| Stddev | .070     | .0330   | .00132 | .0296   | .00105 | .036     | .00360  | .11940  |
| %RSD   | .30042   | 1.2188  | .40650 | .67716  | .52212 | .3848    | .63233  | 3.8845  |
| #1     | 23.224   | 2.6868  | .32645 | 4.3427  | .20054 | 9.505    | -.56636 | -2.9893 |
| #2     | 23.125   | 2.7335  | .32458 | 4.3845  | .20202 | 9.453    | -.57145 | -3.1582 |

Sample Name: J6316-01      Acquired: 12/11/2018 18:12:26      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

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

#1      ^ ----  
 #2      ^ ----

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3532.6 | 49410. | 2625.0 | 89.978 | 3002.1 |
| Stddev    | 1.8    | 84.    | 21.9   | .685   | .3     |
| %RSD      | .05197 | .16928 | .83559 | .76138 | .01114 |
| #1        | 3533.9 | 49351. | 2640.5 | 90.462 | 3002.4 |
| #2        | 3531.3 | 49469. | 2609.4 | 89.494 | 3001.9 |

Sample Name: PB115548BS      Acquired: 12/11/2018 18:16:27      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: DOD W

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .73504 | 1.8270 | .90083 | 1.8520 | .75785 | 1.8876 | .21270 |
| Stddev | .00179 | .0027  | .00337 | .0224  | .00818 | .0091  | .00035 |
| %RSD   | .24323 | .14499 | .37450 | 1.2117 | 1.0795 | .48182 | .16560 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73378 | 1.8288 | .89844 | 1.8361 | .75207 | 1.8812 | .21295 |
| #2 | .73631 | 1.8251 | .90321 | 1.8678 | .76364 | 1.8941 | .21245 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18718 | .17733 | 1.0853 | .39349 | .18348 | .29942 | 2.7521 |
| Stddev | .00020 | .00014 | .0176  | .00113 | .00032 | .00276 | .0286  |
| %RSD   | .10771 | .08110 | 1.6212 | .28729 | .17422 | .92270 | 1.0400 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18704 | .17723 | 1.0728 | .39269 | .18325 | .29747 | 2.7723 |
| #2 | .18732 | .17744 | 1.0977 | .39429 | .18371 | .30137 | 2.7318 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19832 | 2.0497 | .45619 | .06816 | 2.8558 | .27812 | .18835 |
| Stddev | .00054 | .0458  | .00016 | .00079 | .0004  | .00026 | .00361 |
| %RSD   | .27463 | 2.2348 | .03515 | 1.1534 | .01449 | .09320 | 1.9156 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19870 | 2.0173 | .45608 | .06872 | 2.8555 | .27794 | .19090 |
| #2 | .19793 | 2.0821 | .45631 | .06761 | 2.8561 | .27830 | .18579 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.176 | .38287 | .27212 | F -.00440 | .93145 | .60578 | .19745 |
| Stddev | .018   | .00231 | .00167 | .00269    | .01176 | .00001 | .00032 |
| %RSD   | .17197 | .60442 | .61360 | 61.069    | 1.2626 | .00236 | .16335 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.188 | .38123 | .27330 | -.00250 | .93976 | .60579 | .19722 |
| #2 | 10.163 | .38451 | .27094 | -.00631 | .92313 | .60577 | .19767 |

Sample Name: PB115548BS      Acquired: 12/11/2018 18:16:27      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: DOD W

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .20666 | 4.879  | .20854 | F 3.8573 | F<.00000 |
| Stddev | .00213 | .012   | .00033 | .1545    | .01447   |
| %RSD   | 1.0314 | .2497  | .15749 | 4.0067   | 1.2117   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20817 | 4.870 | .20878 | 3.7480 | -1.2041 |
| #2 | .20515 | 4.887 | .20831 | 3.9666 | -1.1836 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3436.3 | 46706. | 2327.7 | 100.98 | 3781.2 |
| Stddev    | 22.1   | 51.    | 7.1    | 1.74   | 3.6    |
| %RSD      | .64173 | .10977 | .30461 | 1.7272 | .09466 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3451.9 | 46742. | 2322.7 | 99.750 | 3778.7 |
| #2 | 3420.7 | 46670. | 2332.7 | 102.22 | 3783.8 |

Sample Name: CCV07      Acquired: 12/11/2018 18:20:17      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0391 | 4.9220 | 4.9334 | 4.9754 | 5.1058 | 10.082 | 10.672 | .24503 | 2.4342 |
| Stddev | .0148  | .0485  | .0463  | .0206  | .0183  | .042   | .021   | .00046 | .0213  |
| %RSD   | .29321 | .98529 | .93912 | .41338 | .35897 | .41866 | .19449 | .18774 | .87358 |
| #1     | 5.0495 | 4.9563 | 4.9662 | 4.9900 | 5.1188 | 10.052 | 10.686 | .24471 | 2.4492 |
| #2     | 5.0286 | 4.8878 | 4.9007 | 4.9609 | 5.0928 | 10.112 | 10.657 | .24536 | 2.4191 |
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 27.338 | 1.0038 | 2.4591 | 1.2616 | 4.8079 | 2.4901 | 26.167 | 2.4338 | 1.2077 |
| Stddev | .009   | .0034  | .0215  | .0061  | .1183  | .0002  | .061   | .0187  | .0024  |
| %RSD   | .03397 | .33788 | .87396 | .48456 | 2.4612 | .00872 | .23374 | .76822 | .19671 |
| #1     | 27.332 | 1.0062 | 2.4743 | 1.2659 | 4.7243 | 2.4900 | 26.210 | 2.4470 | 1.2060 |
| #2     | 27.345 | 1.0014 | 2.4439 | 1.2572 | 4.8916 | 2.4903 | 26.124 | 2.4205 | 1.2094 |
| 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    | 25.839 | 2.4111 | 2.4503 | 26.309 | 5.0493 | 5.2220 | 4.8513 | 5.1851 | 4.8620 |
| Stddev | .037   | .0015  | .0617  | .081   | .0127  | .0328  | .0318  | .0314  | .0479  |
| %RSD   | .14335 | .06335 | 2.5165 | .30687 | .25224 | .62769 | .65540 | .60466 | .98585 |
| #1     | 25.866 | 2.4100 | 2.4067 | 26.252 | 5.0583 | 5.2452 | 4.8737 | 5.2073 | 4.8959 |
| #2     | 25.813 | 2.4122 | 2.4939 | 26.366 | 5.0403 | 5.1988 | 4.8288 | 5.1630 | 4.8282 |
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |        |        |        |
| Avg    | 5.2228 | 5.2839 | 4.827  | 5.4545 | 4.4986 | 1.8720 |        |        |        |
| Stddev | .0170  | .0046  | .040   | .0076  | .1492  | .0396  |        |        |        |
| %RSD   | .32496 | .08781 | .8379  | .13855 | 3.3162 | 2.1159 |        |        |        |
| #1     | 5.2108 | 5.2807 | 4.855  | 5.4599 | 4.6041 | 1.9000 |        |        |        |
| #2     | 5.2349 | 5.2872 | 4.798  | 5.4492 | 4.3931 | 1.8440 |        |        |        |

Sample Name: CCV07      Acquired: 12/11/2018 18:20:17      Type: Unk  
Method: P4-ICP2(v2642)      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       | 3283.3 | 45171. | 2314.2 | 96.589 | 3413.3 |
| Stddev    | 15.7   | 168.   | 10.4   | 2.394  | 33.8   |
| %RSD      | .47687 | .37276 | .44822 | 2.4789 | .99130 |
| #1        | 3272.2 | 45052. | 2306.8 | 98.283 | 3389.3 |
| #2        | 3294.4 | 45290. | 2321.5 | 94.896 | 3437.2 |

Sample Name: CCB07      Acquired: 12/11/2018 18:24:03      Type: Unk  
Method: P4-ICP2(v2642)      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 | -.00062 | -.00130 | -.00185 | .00230 | .00167 | .00334 | -.00001 |
| Stddev | .00106 | .00055  | .00038  | .00113  | .00063 | .00460 | .00076 | .00001  |
| %RSD   | 66.337 | 89.108  | 28.954  | 60.911  | 27.534 | 275.21 | 22.587 | 107.03  |

|    |        |         |         |         |        |         |        |         |
|----|--------|---------|---------|---------|--------|---------|--------|---------|
| #1 | .00085 | -.00101 | -.00157 | -.00106 | .00275 | -.00158 | .00388 | -.00000 |
| #2 | .00234 | -.00023 | -.00104 | -.00265 | .00185 | .00492  | .00281 | -.00002 |

|        |         |        |         |         |        |         |         |        |
|--------|---------|--------|---------|---------|--------|---------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00004 | .01002 | -.00005 | -.00012 | .00011 | -.00283 | -.00009 | .05344 |
| Stddev | .00002  | .00832 | .00030  | .00008  | .00031 | .01024  | .00003  | .02401 |
| %RSD   | 47.565  | 83.004 | 663.78  | 69.338  | 282.74 | 361.11  | 33.238  | 44.934 |

|    |         |        |         |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|---------|--------|
| #1 | -.00005 | .01590 | -.00026 | -.00018 | -.00011 | -.01007 | -.00011 | .07041 |
| #2 | -.00002 | .00414 | .00017  | -.00006 | .00032  | .00440  | -.00007 | .03646 |

|        |        |        |         |        |         |         |        |         |
|--------|--------|--------|---------|--------|---------|---------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138  | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00003 | .00072 | -.25323 | .00049 | -.00024 | -.10831 | .00008 | -.00110 |
| Stddev | .00019 | .00031 | .00714  | .00032 | .00008  | .01275  | .00008 | .00529  |
| %RSD   | 699.46 | 43.882 | 2.8183  | 66.219 | 31.980  | 11.775  | 98.751 | 479.32  |

|    |         |        |         |        |         |         |        |         |
|----|---------|--------|---------|--------|---------|---------|--------|---------|
| #1 | .00016  | .00050 | -.24819 | .00071 | -.00030 | -.11733 | .00014 | -.00485 |
| #2 | -.00011 | .00094 | -.25828 | .00026 | -.00019 | -.09930 | .00002 | .00264  |

|        |        |        |         |         |         |        |         |        |
|--------|--------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00048 | .00597 | -.00014 | -.00016 | -.00114 | -.0011 | -.00013 | 3.6098 |
| Stddev | .00095 | .00171 | .00053  | .00247  | .00078  | .0005  | .00017  | .0214  |
| %RSD   | 199.32 | 28.596 | 394.01  | 1551.5  | 68.468  | 42.58  | 136.87  | .59133 |

|    |         |        |         |         |         |        |         |        |
|----|---------|--------|---------|---------|---------|--------|---------|--------|
| #1 | -.00019 | .00476 | -.00051 | .00159  | -.00169 | -.0014 | -.00000 | 3.5947 |
| #2 | .00115  | .00717 | .00024  | -.00190 | -.00059 | -.0008 | -.00025 | 3.6249 |

Sample Name: CCB07      Acquired: 12/11/2018 18:24:03      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      .36410  
%RSD      485.19

#1      -.33250  
#2      .18242

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3436.3 | 47125. | 2366.4 | 101.96 | 3809.5 |
| Stddev    | 9.5    | 74.    | 10.1   | .61    | 11.5   |
| %RSD      | .27600 | .15694 | .42865 | .59525 | .30109 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3429.6 | 47177. | 2359.3 | 101.53 | 3817.6 |
| #2 | 3443.1 | 47072. | 2373.6 | 102.39 | 3801.4 |

Sample Name: J6316-05      Acquired: 12/11/2018 18:28:07      Type: Unk  
Method: P4-ICP2(v2642)      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    | .15336 | -.01555 | 3.0190 | -.00944 | .02149 | 169.95 | 1.4478 |
| Stddev | .00027 | .00309  | .0067  | .00045  | .00192 | .06    | .0131  |
| %RSD   | .17732 | 19.865  | .22273 | 4.7991  | 8.9515 | .03365 | .90483 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .15317 | -.01773 | 3.0237 | -.00912 | .02285 | 169.99 | 1.4570 |
| #2 | .15355 | -.01336 | 3.0142 | -.00976 | .02013 | 169.90 | 1.4385 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01096 | .04473 | 35.751 | .44256 | .24019 | 1.7747 | 624.15 |
| Stddev | .00003 | .00002 | .231   | .00159 | .00064 | .0002  | .19    |
| %RSD   | .28965 | .03435 | .64506 | .35826 | .26488 | .01176 | .03116 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01094 | .04472 | 35.914 | .44144 | .24064 | 1.7746 | 624.02 |
| #2 | .01098 | .04474 | 35.588 | .44368 | .23974 | 1.7749 | 624.29 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.1757 | 86.515 | .83081 | .00019 | 1.7326 | .48609 | 2.9234 |
| Stddev | .0200  | .443   | .00091 | .00013 | .0147  | .00337 | .0116  |
| %RSD   | .24408 | .51261 | .10946 | 70.419 | .84778 | .69306 | .39664 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.1898 | 86.828 | .83016 | .00010 | 1.7430 | .48847 | 2.9316 |
| #2 | 8.1616 | 86.201 | .83145 | .00028 | 1.7222 | .48370 | 2.9152 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 21.778 | .03326 | .03726 | 2.6692 | 4.5608 | .18345 | 5.2512 |
| Stddev | .166   | .00071 | .00238 | .0084  | .0330  | .00048 | .0227  |
| %RSD   | .76381 | 2.1218 | 6.3899 | .31505 | .72377 | .26322 | .43187 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 21.896 | .03376 | .03558 | 2.6633 | 4.5842 | .18379 | 5.2673 |
| #2 | 21.661 | .03276 | .03895 | 2.6752 | 4.5375 | .18311 | 5.2352 |

Sample Name: J6316-05      Acquired: 12/11/2018 18:28:07      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .24348 | 8.863  | -.50922 | <.00000 | F<.00000 |
| Stddev | .00083 | .008   | .00123  | .14204  | .01914   |
| %RSD   | .34099 | .0943  | .24128  | 4.8080  | .00817   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .24290 | 8.869 | -.50835 | -3.0546 | -234.16 |
| #2 | .24407 | 8.857 | -.51009 | -2.8537 | -234.19 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3978.6 | 54983. | 2911.2 | 93.855 | 3196.5 |
| Stddev    | 1.4    | 95.    | 23.6   | .337   | .8     |
| %RSD      | .03563 | .17211 | .80986 | .35867 | .02644 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3977.6 | 54916. | 2894.6 | 93.617 | 3195.9 |
| #2 | 3979.6 | 55050. | 2927.9 | 94.093 | 3197.1 |

Sample Name: J6316-09      Acquired: 12/11/2018 18:32:08      Type: Unk  
Method: P4-ICP2(v2642)      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    | .12116 | -.00767 | 5.5191 | -.01112 | .02189 | 120.70 | 4.1096 |
| Stddev | .00099 | .00064  | .0157  | .00243  | .00005 | .71    | .0099  |
| %RSD   | .81601 | 8.3908  | .28380 | 21.898  | .21462 | .58513 | .24147 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .12046 | -.00722 | 5.5081 | -.00940 | .02185 | 120.20 | 4.1167 |
| #2 | .12186 | -.00813 | 5.5302 | -.01284 | .02192 | 121.19 | 4.1026 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00780 | .00615 | 30.334 | .28755 | .13054 | 2.6713 | 298.61 |
| Stddev | .00014 | .00119 | .051   | .00139 | .00051 | .0054  | 7.45   |
| %RSD   | 1.7967 | 19.344 | .16784 | .48281 | .38981 | .20355 | 2.4955 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00790 | .00531 | 30.298 | .28853 | .13018 | 2.6674 | 303.88 |
| #2 | .00770 | .00699 | 30.370 | .28656 | .13090 | 2.6751 | 293.34 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.3119 | 38.970 | .60524 | .00006 | .75115 | .36918 | 8.0231 |
| Stddev | .0002  | .035   | .00236 | .00058 | .00899 | .00216 | .2241  |
| %RSD   | .00464 | .08990 | .38925 | 934.53 | 1.1965 | .58544 | 2.7937 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.3118 | 38.995 | .60358 | .00048  | .75750 | .36765 | 8.1816 |
| #2 | 4.3121 | 38.945 | .60691 | -.00035 | .74479 | .37071 | 7.8646 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.691 | .00913 | -.02620 | 2.8967 | 2.0919 | 1.0885 | 2.8764 |
| Stddev | .020   | .00036 | .01786  | .0033  | .0288  | .0060  | .0068  |
| %RSD   | .13377 | 3.9789 | 68.143  | .11393 | 1.3747 | .54921 | .23602 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 14.705 | .00888 | -.01358 | 2.8991 | 2.1122 | 1.0843 | 2.8716 |
| #2 | 14.677 | .00939 | -.03883 | 2.8944 | 2.0716 | 1.0927 | 2.8812 |

Sample Name: J6316-09      Acquired: 12/11/2018 18:32:08      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .16143 | 7.477  | -.07295 | .20046 | F<.00000 |
| Stddev | .00081 | .024   | .00774  | .06594 | 1.1103   |
| %RSD   | .50223 | .3208  | 10.605  | 32.894 | 1.3834   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .16085 | 7.460 | -.07842 | .15384 | -81.039 |
| #2 | .16200 | 7.494 | -.06748 | .24709 | -79.469 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3782.4 | 52172. | 2736.8 | 98.035 | 3431.1 |
| Stddev    | .8     | 56.    | 17.8   | 2.913  | 7.6    |
| %RSD      | .02224 | .10778 | .64987 | 2.9711 | .22079 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3781.8 | 52132. | 2724.2 | 95.975 | 3436.5 |
| #2 | 3782.9 | 52212. | 2749.4 | 100.09 | 3425.8 |

Sample Name: J6316-13      Acquired: 12/11/2018 18:36:04      Type: Unk  
Method: P4-ICP2(v2642)      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    | .10337 | -.01003 | 3.6238 | -.00626 | .01699 | 140.87 | 2.2765 |
| Stddev | .00023 | .00138  | .0184  | .00164  | .00232 | .21    | .0383  |
| %RSD   | .21797 | 13.798  | .50839 | 26.207  | 13.685 | .15000 | 1.6808 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .10321 | -.01101 | 3.6369 | -.00742 | .01863 | 140.72 | 2.3035 |
| #2 | .10353 | -.00906 | 3.6108 | -.00510 | .01534 | 141.02 | 2.2494 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00947 | .00436 | 43.943 | .23975 | .14615 | .98673 | 401.12 |
| Stddev | .00002 | .00006 | .723   | .00250 | .00090 | .00201 | .80    |
| %RSD   | .21051 | 1.4646 | 1.6453 | 1.0408 | .61394 | .20394 | .19949 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00946 | .00441 | 44.455 | .23799 | .14679 | .98815 | 401.69 |
| #2 | .00949 | .00432 | 43.432 | .24151 | .14552 | .98530 | 400.55 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.7732 | 32.969 | .43536 | -.00185 | .55150 | .40474 | 5.2026 |
| Stddev | .0002  | .583   | .00123 | .00017  | .01297 | .00170 | .0123  |
| %RSD   | .00399 | 1.7681 | .28160 | 9.0273  | 2.3518 | .42061 | .23695 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.7731 | 33.381 | .43622 | -.00197 | .56067 | .40354 | 5.2113 |
| #2 | 4.7733 | 32.557 | .43449 | -.00173 | .54233 | .40594 | 5.1939 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.531 | .03168 | -.03350 | 3.9122 | 2.3497 | .29404 | 2.4439 |
| Stddev | .264   | .00023 | .00532  | .0063  | .0273  | .00262 | .0345  |
| %RSD   | 2.1105 | .71748 | 15.880  | .16179 | 1.1597 | .89000 | 1.4094 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 12.718 | .03152 | -.03726 | 3.9167 | 2.3690 | .29589 | 2.4683 |
| #2 | 12.344 | .03184 | -.02974 | 3.9078 | 2.3304 | .29219 | 2.4195 |

Sample Name: J6316-13      Acquired: 12/11/2018 18:36:04      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .21658 | 8.417  | -.12819 | <.00000 | F<.00000 |
| Stddev | .00470 | .011   | .00388  | .16243  | .95570   |
| %RSD   | 2.1705 | .1259  | 3.0273  | 24.520  | .77574   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .21990 | 8.425 | -.12545 | -.77730 | -122.52 |
| #2 | .21325 | 8.410 | -.13094 | -.54759 | -123.87 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3814.6 | 52530. | 2779.9 | 95.864 | 3349.7 |
| Stddev    | 10.4   | 43.    | 50.2   | .255   | 6.3    |
| %RSD      | .27306 | .08218 | 1.8061 | .26618 | .18698 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3807.3 | 52499. | 2744.4 | 95.684 | 3345.3 |
| #2 | 3822.0 | 52560. | 2815.4 | 96.044 | 3354.2 |

Sample Name: J6316-17      Acquired: 12/11/2018 18:40:07      Type: Unk  
 Method: P4-ICP2(v2642)      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    | .09972 | -.00920 | 2.3360 | -.00454 | .01111 | 147.12 | 1.4998 |
| Stddev | .00020 | .00116  | .0001  | .00158  | .00135 | .56    | .0126  |
| %RSD   | .20382 | 12.662  | .00226 | 34.819  | 12.177 | .38353 | .83759 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .09958 | -.00837 | 2.3360 | -.00565 | .01207 | 146.72 | 1.5086 |
| #2 | .09987 | -.01002 | 2.3361 | -.00342 | .01016 | 147.52 | 1.4909 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00839 | .00304 | 21.623 | .29458 | .14914 | .93955 | 362.83 |
| Stddev | .00015 | .00012 | .244   | .00098 | .00006 | .00071 | 1.02   |
| %RSD   | 1.8401 | 3.9078 | 1.1268 | .33415 | .04047 | .07527 | .28167 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00828 | .00295 | 21.795 | .29528 | .14910 | .94005 | 363.55 |
| #2 | .00849 | .00312 | 21.450 | .29389 | .14919 | .93905 | 362.11 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.8954 | 39.365 | .44302 | .00067 | .47465 | .43763 | 5.0208 |
| Stddev | .0427  | .295   | .00097 | .00051 | .00093 | .00026 | .0325  |
| %RSD   | .61947 | .74835 | .21954 | 76.205 | .19524 | .06005 | .64780 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.8652 | 39.574 | .44371 | .00031 | .47530 | .43744 | 5.0438 |
| #2 | 6.9256 | 39.157 | .44233 | .00103 | .47399 | .43781 | 4.9978 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.777 | .01038 | -.01041 | 2.1518 | 2.9569 | .14708 | 3.1023 |
| Stddev | .066   | .00022 | .00030  | .0094  | .0289  | .00060 | .0172  |
| %RSD   | .51868 | 2.1106 | 2.8790  | .43851 | .97659 | .41011 | .55454 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 12.824 | .01054 | -.01020 | 2.1584 | 2.9774 | .14666 | 3.1145 |
| #2 | 12.731 | .01023 | -.01063 | 2.1451 | 2.9365 | .14751 | 3.0902 |

Sample Name: J6316-17      Acquired: 12/11/2018 18:40:07      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .18828 | 9.050  | -.24784 | <.00000 | F<.00000 |
| Stddev | .00307 | .008   | .00004  | .21323  | 1.0932   |
| %RSD   | 1.6294 | .0859  | .01691  | 54.524  | 1.0575   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .19045 | 9.044 | -.24787 | -.54185 | -102.61 |
| #2 | .18611 | 9.055 | -.24781 | -.24030 | -104.15 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3878.8 | 52983. | 2809.8 | 94.358 | 3392.3 |
| Stddev    | 7.5    | 150.   | 27.0   | .610   | 5.3    |
| %RSD      | .19334 | .28368 | .96194 | .64648 | .15753 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3873.5 | 53090. | 2790.7 | 93.927 | 3388.5 |
| #2 | 3884.1 | 52877. | 2828.9 | 94.789 | 3396.0 |

Sample Name: J6316-21      Acquired: 12/11/2018 18:44:11      Type: Unk  
Method: P4-ICP2(v2642)      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    | .08215 | -.01019 | 108.46 | -.01125 | .03489 | 124.12 | 5.1704 |
| Stddev | .00225 | .00037  | .50    | .00695  | .00167 | .16    | .0847  |
| %RSD   | 2.7411 | 3.6020  | .46200 | 61.790  | 4.7820 | .12618 | 1.6380 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .08056 | -.00993 | 108.82 | -.00634 | .03371 | 124.23 | 5.2303 |
| #2 | .08374 | -.01045 | 108.11 | -.01617 | .03607 | 124.01 | 5.1105 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00702 | .02001 | 554.34 | .23477 | .10619 | 1.5327 | 257.02 |
| Stddev | .00014 | .00052 | 8.75   | .00200 | .00005 | .0048  | 7.79   |
| %RSD   | 1.9796 | 2.5921 | 1.5787 | .85070 | .04371 | .31262 | 3.0294 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00692 | .01965 | 560.53 | .23335 | .10622 | 1.5293 | 262.53 |
| #2 | .00712 | .02038 | 548.15 | .23618 | .10616 | 1.5360 | 251.52 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.3325 | 59.094 | .55276 | -.00048 | 72.903 | 1.0703 | 9.0330 |
| Stddev | .0031  | 1.157  | .00018 | .00151  | 1.089  | .0011  | .2836  |
| %RSD   | .07097 | 1.9582 | .03208 | 317.71  | 1.4941 | .10474 | 3.1391 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.3303 | 59.912 | .55263 | .00059  | 73.673 | 1.0710 | 9.2335 |
| #2 | 4.3347 | 58.275 | .55288 | -.00154 | 72.133 | 1.0695 | 8.8325 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | 14.176 | .00807 | -.00675 | F 11.283 | 3.1227 | .25966 | 2.9497 |
| Stddev | .210   | .00023 | .00085  | .002     | .0244  | .00120 | .0339  |
| %RSD   | 1.4811 | 2.8388 | 12.639  | .01626   | .78256 | .46152 | 1.1487 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 14.324 | .00823 | -.00614 | 11.282 | 3.1400 | .25881 | 2.9736 |
| #2 | 14.027 | .00791 | -.00735 | 11.285 | 3.1054 | .26051 | 2.9257 |

Sample Name: J6316-21      Acquired: 12/11/2018 18:44:11      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .17992 | 7.582  | 2.1495 | 2.7504 | F<.00000 |
| Stddev | .00183 | .015   | .0320  | .0580  | 1.5460   |
| %RSD   | 1.0158 | .2015  | 1.4877 | 2.1072 | 2.9462   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .18121 | 7.593 | 2.1721 | 2.7914 | -51.380 |
| #2 | .17863 | 7.572 | 2.1269 | 2.7094 | -53.567 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3420.7 | 47112. | 2584.2 | 91.551 | 3078.2 |
| Stddev    | 1.1    | 34.    | 38.4   | 2.896  | 17.1   |
| %RSD      | .03178 | .07278 | 1.4842 | 3.1631 | .55708 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3420.0 | 47087. | 2557.1 | 89.503 | 3066.0 |
| #2 | 3421.5 | 47136. | 2611.3 | 93.598 | 3090.3 |

Sample Name: J6316-21DUP      Acquired: 12/11/2018 18:48:09      Type: Unk  
Method: P4-ICP2(v2642)      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    | .08281 | -.01132 | 102.84 | -.01163 | .03421 | 125.07 | 5.1157 |
| Stddev | .00140 | .00172  | .15    | .00072  | .00201 | .27    | .0637  |
| %RSD   | 1.6956 | 15.158  | .14788 | 6.1707  | 5.8822 | .21553 | 1.2450 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .08380 | -.01253 | 102.94 | -.01214 | .03279 | 125.26 | 5.1607 |
| #2 | .08182 | -.01011 | 102.73 | -.01112 | .03564 | 124.88 | 5.0706 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00694 | .02067 | 556.44 | .24272 | .10489 | 1.5610 | 250.49 |
| Stddev | .00011 | .00042 | 5.39   | .00072 | .00001 | .0070  | 4.17   |
| %RSD   | 1.6011 | 2.0290 | .96865 | .29799 | .01162 | .44720 | 1.6657 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00686 | .02037 | 560.25 | .24221 | .10488 | 1.5561 | 253.44 |
| #2 | .00702 | .02097 | 552.63 | .24323 | .10490 | 1.5660 | 247.54 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.3461 | 58.378 | .55541 | -.00257 | 72.185 | 1.0741 | 8.8009 |
| Stddev | .0168  | .499   | .00046 | .00097  | .868   | .0068  | .1404  |
| %RSD   | .38715 | .85459 | .08285 | 37.878  | 1.2030 | .63324 | 1.5953 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.3342 | 58.731 | .55574 | -.00188 | 72.799 | 1.0693 | 8.9002 |
| #2 | 4.3580 | 58.025 | .55509 | -.00325 | 71.571 | 1.0789 | 8.7016 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | 13.969 | .00774 | -.00814 | F 11.370 | 3.1422 | .26334 | 2.9188 |
| Stddev | .158   | .00030 | .00259  | .009     | .0125  | .00174 | .0128  |
| %RSD   | 1.1298 | 3.8664 | 31.792  | .07635   | .39646 | .65937 | .43723 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 14.081 | .00753 | -.00631 | 11.363 | 3.1510 | .26457 | 2.9279 |
| #2 | 13.858 | .00796 | -.00997 | 11.376 | 3.1334 | .26211 | 2.9098 |

Sample Name: J6316-21DUP      Acquired: 12/11/2018 18:48:09      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .18172 | 7.612  | 2.1627 | 2.9034 | F<.00000 |
| Stddev | .00035 | .000   | .0265  | .0096  | .05175   |
| %RSD   | .19025 | .0017  | 1.2267 | .33179 | .09461   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .18148 | 7.612 | 2.1814 | 2.8966 | -54.739 |
| #2 | .18197 | 7.612 | 2.1439 | 2.9102 | -54.666 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3416.1 | 46914. | 2613.0 | 93.777 | 3063.1 |
| Stddev    | 5.3    | 24.    | 24.5   | 1.529  | 9.3    |
| %RSD      | .15572 | .05212 | .93696 | 1.6299 | .30234 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3412.3 | 46932. | 2595.7 | 92.696 | 3056.5 |
| #2 | 3419.9 | 46897. | 2630.3 | 94.857 | 3069.6 |

Sample Name: J6316-21LX5      Acquired: 12/11/2018 18:52:06      Type: Unk  
Method: P4-ICP2(v2642)      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    | .01889 | -.00228 | 22.585 | -.00405 | .00521 | 25.358 | 1.1143 | .00136  |
| Stddev | .00137 | .00083  | .065   | .00061  | .00010 | .036   | .0013  | .00001  |
| %RSD   | 7.2691 | 36.468  | .28864 | 15.070  | 1.9827 | .14194 | .11785 | .55307  |
| #1     | .01987 | -.00287 | 22.631 | -.00448 | .00514 | 25.383 | 1.1134 | .00136  |
| #2     | .01792 | -.00169 | 22.539 | -.00362 | .00529 | 25.332 | 1.1152 | .00137  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00328 | 121.53  | .05228 | .02061  | .35599 | 51.119 | .97636 | 13.368  |
| Stddev | .00002 | .02     | .00019 | .00039  | .00008 | .200   | .00055 | .017    |
| %RSD   | .63248 | .01857  | .36839 | 1.8775  | .02368 | .39173 | .05680 | .12526  |
| #1     | .00329 | 121.51  | .05242 | .02088  | .35593 | 51.261 | .97675 | 13.356  |
| #2     | .00326 | 121.54  | .05215 | .02034  | .35605 | 50.978 | .97597 | 13.380  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .10851 | -.00046 | 15.124 | .23350  | 1.9064 | 2.9299 | .00117 | -.01539 |
| Stddev | .00044 | .00017  | .001   | .00102  | .0056  | .0070  | .00023 | .00396  |
| %RSD   | .40744 | 38.172  | .00456 | .43695  | .29132 | .23959 | 19.523 | 25.756  |
| #1     | .10883 | -.00058 | 15.123 | .23278  | 1.9103 | 2.9349 | .00101 | -.01259 |
| #2     | .10820 | -.00033 | 15.124 | .23423  | 1.9025 | 2.9249 | .00133 | -.01820 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | 2.0815 | .70300  | .05052 | .64831  | .03788 | 1.428  | .47299 | 4.0842  |
| Stddev | .0005  | .00882  | .00053 | .00097  | .00211 | .003   | .00101 | .3017   |
| %RSD   | .02616 | 1.2544  | 1.0449 | .15013  | 5.5829 | .2358  | .21367 | 7.3867  |
| #1     | 2.0819 | .69677  | .05090 | .64762  | .03938 | 1.426  | .47227 | 4.2975  |
| #2     | 2.0812 | .70924  | .05015 | .64900  | .03639 | 1.431  | .47370 | 3.8709  |

Sample Name: J6316-21LX5      Acquired: 12/11/2018 18:52:06      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.0686  
Stddev      .6847  
%RSD      22.314

#1      2.5844  
#2      3.5528

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3382.5 | 46299. | 2404.1 | 97.293 | 3495.9 |
| Stddev    | 9.5    | 235.   | 5.0    | .575   | 21.4   |
| %RSD      | .28031 | .50758 | .20989 | .59063 | .61324 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3375.8 | 46133. | 2400.6 | 96.887 | 3480.8 |
| #2 | 3389.2 | 46465. | 2407.7 | 97.700 | 3511.1 |

Sample Name: J6316-21MS      Acquired: 12/11/2018 19:00:25      Type: Unk  
Method: P4-ICP2(v2642)      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    | .65407 | 1.4688 | 39.480 | 1.3403 | .13100 | 134.15 | 5.7179 |
| Stddev | .00172 | .0046  | .128   | .0019  | .00199 | .29    | .0227  |
| %RSD   | .26224 | .31631 | .32509 | .14355 | 1.5178 | .21653 | .39750 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .65528 | 1.4656 | 39.389 | 1.3416 | .13240 | 133.94 | 5.7019 |
| #2 | .65285 | 1.4721 | 39.571 | 1.3389 | .12959 | 134.35 | 5.7340 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .15325 | .17338 | 503.56 | .56166 | .27322 | 1.9252 | 288.02 |
| Stddev | .00037 | .00071 | 4.33   | .00126 | .00038 | .0023  | 1.62   |
| %RSD   | .24024 | .41067 | .85922 | .22482 | .13967 | .11831 | .56379 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .15299 | .17288 | 500.50 | .56077 | .27295 | 1.9236 | 286.87 |
| #2 | .15351 | .17388 | 506.61 | .56256 | .27349 | 1.9268 | 289.17 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6108 | 62.828 | .96291 | .05089 | 79.167 | 1.2646 | 10.890 |
| Stddev | .0029  | .234   | .00380 | .00024 | .357   | .0008  | .071   |
| %RSD   | .06374 | .37250 | .39482 | .46339 | .45102 | .06079 | .65281 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.6128 | 62.662 | .96023 | .05072 | 78.915 | 1.2651 | 10.840 |
| #2 | 4.6087 | 62.993 | .96560 | .05106 | 79.420 | 1.2641 | 10.940 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 22.111 | .27358 | .19726 | F 20.424 | 3.9969 | .82807 | 3.2426 |
| Stddev | .027   | .00054 | .00557 | .001     | .0150  | .00210 | .0096  |
| %RSD   | .12035 | .19721 | 2.8251 | .00406   | .37532 | .25303 | .29579 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 22.092 | .27397 | .20120 | 20.423 | 3.9863 | .82659 | 3.2494 |
| #2 | 22.130 | .27320 | .19332 | 20.424 | 4.0075 | .82955 | 3.2358 |

Sample Name: J6316-21MS      Acquired: 12/11/2018 19:00:25      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .35001 | F 12.79 | 2.2288 | 2.2903 | F<.00000 |
| Stddev | .00158 | .03     | .0137  | .0583  | .73867   |
| %RSD   | .45185 | .2440   | .61375 | 2.5466 | 1.1463   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .35113 | 12.77 | 2.2191 | 2.2490 | -63.919 |
| #2 | .34889 | 12.81 | 2.2385 | 2.3315 | -64.964 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3433.1 | 47600. | 2605.5 | 91.835 | 3047.6 |
| Stddev    | 3.2    | 105.   | 15.9   | .471   | 1.3    |
| %RSD      | .09306 | .22157 | .60871 | .51252 | .04254 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3430.8 | 47674. | 2616.7 | 92.167 | 3048.5 |
| #2 | 3435.3 | 47525. | 2594.2 | 91.502 | 3046.7 |

Sample Name: J6316-21MSD      Acquired: 12/11/2018 19:04:17      Type: Unk  
Method: P4-ICP2(v2642)      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    | .65404 | 1.4554 | 39.354 | 1.3386 | .12604 | 133.72 | 5.7389 |
| Stddev | .01007 | .0130  | .122   | .0003  | .00107 | .64    | .0688  |
| %RSD   | 1.5400 | .89530 | .31114 | .02532 | .85240 | .47968 | 1.1992 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .66116 | 1.4646 | 39.440 | 1.3388 | .12679 | 133.26 | 5.7876 |
| #2 | .64692 | 1.4462 | 39.267 | 1.3383 | .12528 | 134.17 | 5.6903 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .15343 | .17187 | 502.78 | .56344 | .27225 | 1.9124 | 292.29 |
| Stddev | .00004 | .00069 | 5.84   | .00490 | .00085 | .0080  | .23    |
| %RSD   | .02650 | .40129 | 1.1606 | .86997 | .31379 | .41849 | .07990 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .15340 | .17236 | 506.90 | .55998 | .27285 | 1.9181 | 292.45 |
| #2 | .15346 | .17138 | 498.65 | .56691 | .27164 | 1.9068 | 292.12 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6156 | 63.208 | .95835 | .05014 | 79.162 | 1.2620 | 11.073 |
| Stddev | .0026  | .821   | .00563 | .00006 | .891   | .0013  | .064   |
| %RSD   | .05678 | 1.2990 | .58734 | .12467 | 1.1251 | .10495 | .57425 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.6138 | 63.789 | .96233 | .05019 | 79.791 | 1.2629 | 11.118 |
| #2 | 4.6175 | 62.627 | .95437 | .05010 | 78.532 | 1.2610 | 11.028 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 22.198 | .27346 | .22704 | F 20.411 | 4.0019 | .82535 | 3.2716 |
| Stddev | .280   | .00120 | .00325 | .017     | .0742  | .00498 | .0204  |
| %RSD   | 1.2624 | .43700 | 1.4309 | .08251   | 1.8539 | .60281 | .62452 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 22.396 | .27431 | .22474 | 20.422 | 4.0543 | .82887 | 3.2861 |
| #2 | 22.000 | .27262 | .22934 | 20.399 | 3.9494 | .82183 | 3.2572 |

Sample Name: J6316-21MSD      Acquired: 12/11/2018 19:04:17      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .35178 | F 12.74 | 2.2114 | 2.3755 | F<.00000 |
| Stddev | .00072 | .05     | .0312  | .0980  | .57605   |
| %RSD   | .20599 | .4114   | 1.4109 | 4.1262 | .87009   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .35127 | 12.77 | 2.2334 | 2.3062 | -65.799 |
| #2 | .35229 | 12.70 | 2.1893 | 2.4448 | -66.613 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3440.8 | 47563. | 2597.3 | 90.420 | 3058.8 |
| Stddev    | 15.2   | 34.    | 37.9   | .563   | 10.7   |
| %RSD      | .44109 | .07102 | 1.4586 | .62282 | .34840 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3430.0 | 47587. | 2570.5 | 90.021 | 3051.3 |
| #2 | 3451.5 | 47539. | 2624.1 | 90.818 | 3066.4 |

Sample Name: J6316-21A      Acquired: 12/11/2018 19:08:10      Type: Unk  
Method: P4-ICP2(v2642)      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    | .65217 | 1.4676 | 39.410 | 1.3315 | .12888 | 133.10 | 5.7155 |
| Stddev | .00303 | .0156  | .193   | .0015  | .00165 | .78    | .0032  |
| %RSD   | .46479 | 1.0594 | .48947 | .10994 | 1.2827 | .58727 | .05694 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .65003 | 1.4786 | 39.546 | 1.3304 | .12771 | 133.65 | 5.7132 |
| #2 | .65431 | 1.4566 | 39.274 | 1.3325 | .13005 | 132.55 | 5.7178 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .15307 | .17257 | 504.50 | .56214 | .27292 | 1.9155 | 287.72 |
| Stddev | .00026 | .00074 | .43    | .00103 | .00231 | .0079  | 5.43   |
| %RSD   | .17011 | .42845 | .08461 | .18392 | .84532 | .41143 | 1.8888 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .15289 | .17310 | 504.20 | .56140 | .27455 | 1.9099 | 291.56 |
| #2 | .15326 | .17205 | 504.80 | .56287 | .27129 | 1.9210 | 283.88 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6092 | 62.908 | .96036 | .05016 | 79.070 | 1.2614 | 10.950 |
| Stddev | .0019  | .031   | .00405 | .00156 | .029   | .0031  | .205   |
| %RSD   | .04220 | .04995 | .42210 | 3.1087 | .03713 | .24292 | 1.8695 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.6078 | 62.886 | .96322 | .05126 | 79.049 | 1.2636 | 11.094 |
| #2 | 4.6105 | 62.931 | .95749 | .04905 | 79.091 | 1.2592 | 10.805 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 22.150 | .27367 | .19009 | F 20.368 | 4.0259 | .83229 | 3.2607 |
| Stddev | .102   | .00015 | .01599 | .066     | .0109  | .00239 | .0090  |
| %RSD   | .46082 | .05493 | 8.4134 | .32188   | .26964 | .28691 | .27493 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 22.078 | .27357 | .20140 | 20.414 | 4.0182 | .83398 | 3.2544 |
| #2 | 22.222 | .27378 | .17878 | 20.322 | 4.0336 | .83060 | 3.2671 |

Sample Name: J6316-21A      Acquired: 12/11/2018 19:08:10      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .35022 | F 12.76 | 2.2224 | 2.3820 | F<.00000 |
| Stddev | .00148 | .06     | .0035  | .1013  | .26760   |
| %RSD   | .42216 | .4725   | .15663 | 4.2528 | .41275   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .34918 | 12.81 | 2.2199 | 2.4536 | -64.644 |
| #2 | .35127 | 12.72 | 2.2248 | 2.3104 | -65.023 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3445.1 | 47560. | 2586.3 | 91.306 | 3053.8 |
| Stddev    | 6.5    | 170.   | 10.1   | 1.507  | 11.5   |
| %RSD      | .18808 | .35707 | .38993 | 1.6502 | .37700 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3449.7 | 47440. | 2593.4 | 90.240 | 3045.7 |
| #2 | 3440.5 | 47680. | 2579.1 | 92.371 | 3062.0 |

Sample Name: J6316-01DLX10      Acquired: 12/11/2018 19:12:03      Type: Unk  
Method: P4-ICP2(v2642)      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    | .22508 | -.00076 | .33389 | -.00809 | .00319 | 14.837 | .14768 |
| Stddev | .00269 | .00085  | .00166 | .00217  | .00102 | .177   | .00247 |
| %RSD   | 1.1951 | 111.91  | .49689 | 26.885  | 31.921 | 1.1928 | 1.6752 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .22698 | -.00136 | .33506 | -.00963 | .00247 | 14.712 | .14593 |
| #2 | .22317 | -.00016 | .33271 | -.00655 | .00391 | 14.963 | .14943 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00106 | -.00152 | 19.179 | .05135 | .02022 | .27575 | 97.122 |
| Stddev | .00000 | .00003  | .298   | .00032 | .00015 | .00031 | .307   |
| %RSD   | .07145 | 2.2363  | 1.5540 | .61413 | .76520 | .11311 | .31606 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00106 | -.00154 | 18.968 | .05113 | .02011 | .27553 | 97.339 |
| #2 | .00106 | -.00149 | 19.390 | .05157 | .02033 | .27597 | 96.905 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.1055 | 12.578 | .07632 | -.00383 | .22882 | .06144 | .22770 |
| Stddev | .0046  | .316   | .00039 | .00021  | .01343 | .00005 | .00235 |
| %RSD   | .42026 | 2.5144 | .50522 | 5.5675  | 5.8680 | .07704 | 1.0300 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.1022 | 12.354 | .07659 | -.00399 | .21933 | .06141 | .22935 |
| #2 | 1.1087 | 12.801 | .07604 | -.00368 | .23832 | .06148 | .22604 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.3662 | .00420 | -.04898 | 2.1478 | .32403 | .03118 | .48809 |
| Stddev | .0292  | .00015 | .00269  | .0033  | .00426 | .00087 | .00902 |
| %RSD   | 2.1379 | 3.6574 | 5.4902  | .15515 | 1.3154 | 2.7931 | 1.8479 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 1.3868 | .00409 | -.04708 | 2.1454 | .32704 | .03179 | .48171 |
| #2 | 1.3455 | .00431 | -.05088 | 2.1501 | .32101 | .03056 | .49447 |

Sample Name: J6316-01DLX10      Acquired: 12/11/2018 19:12:03      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .01999 | .8905  | -.05085 | 3.0854 | F<.00000 |
| Stddev | .00000 | .0008  | .00157  | .0105  | .56984   |
| %RSD   | .01473 | .0932  | 3.0845  | .34043 | 8.0921   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .01998 | .8911 | -.05195 | 3.0780 | -6.6390 |
| #2 | .01999 | .8899 | -.04974 | 3.0929 | -7.4448 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3440.7 | 47091. | 2448.6 | 100.88 | 3647.8 |
| Stddev    | 5.3    | 168.   | 25.9   | .94    | 4.6    |
| %RSD      | .15365 | .35736 | 1.0587 | .93489 | .12731 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3444.4 | 47210. | 2466.9 | 100.21 | 3651.1 |
| #2 | 3436.9 | 46972. | 2430.2 | 101.55 | 3644.5 |

Sample Name: CCV08      Acquired: 12/11/2018 19:16:01      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9607 | 4.8603 | 4.8516 | 4.9141 | 5.0199 | 9.9998 | 10.444 | .24364 |
| Stddev | .0050  | .0017  | .0096  | .0021  | .0017  | .1108  | .011   | .00025 |
| %RSD   | .10177 | .03550 | .19721 | .04345 | .03353 | 1.1079 | .10150 | .10444 |
| #1     | 4.9642 | 4.8591 | 4.8584 | 4.9126 | 5.0211 | 10.078 | 10.451 | .24346 |
| #2     | 4.9571 | 4.8615 | 4.8448 | 4.9157 | 5.0187 | 9.9214 | 10.436 | .24382 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3950 | 26.750 | 1.0001 | 2.4163 | 1.2447 | 4.8082 | 2.4765 | 25.659 |
| Stddev | .0045  | .109   | .0104  | .0078  | .0024  | .1581  | .0013  | .120   |
| %RSD   | .18915 | .40879 | 1.0417 | .32330 | .18877 | 3.2887 | .05136 | .46806 |
| #1     | 2.3982 | 26.828 | 1.0075 | 2.4218 | 1.2430 | 4.6964 | 2.4774 | 25.744 |
| #2     | 2.3918 | 26.673 | .99278 | 2.4108 | 1.2464 | 4.9200 | 2.4756 | 25.574 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3994 | 1.2012 | 25.287 | 2.4016 | 2.4595 | 25.717 | 4.9821 | 5.1014 |
| Stddev | .0038  | .0043  | .006   | .0067  | .0820  | .027   | .0020  | .0112  |
| %RSD   | .15821 | .35380 | .02271 | .27802 | 3.3327 | .10461 | .03930 | .22009 |
| #1     | 2.4021 | 1.1981 | 25.291 | 2.4064 | 2.4015 | 25.736 | 4.9834 | 5.1093 |
| #2     | 2.3967 | 1.2042 | 25.283 | 2.3969 | 2.5174 | 25.698 | 4.9807 | 5.0934 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7580 | 5.1304 | 4.7881 | 5.1117 | 5.1780 | 4.750  | 5.3501 | 4.5129 |
| Stddev | .0226  | .0083  | .0090  | .0137  | .0043  | .005   | .0108  | .2685  |
| %RSD   | .47395 | .16129 | .18793 | .26724 | .08408 | .0997  | .20196 | 5.9494 |
| #1     | 4.7740 | 5.1246 | 4.7945 | 5.1213 | 5.1749 | 4.753  | 5.3578 | 4.7028 |
| #2     | 4.7421 | 5.1363 | 4.7818 | 5.1020 | 5.1811 | 4.747  | 5.3425 | 4.3231 |

Sample Name: CCV08      Acquired: 12/11/2018 19:16:01      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.4799  
Stddev      .2226  
%RSD      15.041

#1      1.3225  
#2      1.6373

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3317.5 | 45170. | 2343.1 | 95.345 | 3453.5 |
| Stddev    | 8.5    | 271.   | 5.5    | 3.043  | 17.2   |
| %RSD      | .25696 | .60046 | .23620 | 3.1915 | .49731 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3311.4 | 44978. | 2347.1 | 97.497 | 3441.4 |
| #2 | 3323.5 | 45361. | 2339.2 | 93.193 | 3465.7 |

Sample Name: CCB08      Acquired: 12/11/2018 19:19:47      Type: Unk  
Method: P4-ICP2(v2642)      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    | -.00138 | -.00015 | .00193 | .00077 | .00169 | -.00301 | .00301 |
| Stddev | .00204  | .00069  | .00044 | .00315 | .00059 | .00537  | .00146 |
| %RSD   | 148.10  | 451.42  | 22.926 | 410.30 | 35.170 | 178.45  | 48.686 |

|    |         |         |        |         |        |         |        |
|----|---------|---------|--------|---------|--------|---------|--------|
| #1 | -.00282 | -.00064 | .00225 | -.00146 | .00211 | .00079  | .00197 |
| #2 | .00007  | .00034  | .00162 | .00299  | .00127 | -.00681 | .00404 |

|        |         |        |        |        |        |         |        |
|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00002 | .00000 | .00855 | .00002 | .00013 | -.00007 | .00131 |
| Stddev | .00007  | .00015 | .00192 | .00025 | .00007 | .00002  | .01603 |
| %RSD   | 280.61  | 4214.5 | 22.475 | 1166.1 | 49.694 | 37.485  | 1222.2 |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | .00002  | -.00011 | .00719 | -.00016 | .00018 | -.00005 | -.01003 |
| #2 | -.00007 | .00011  | .00991 | .00020  | .00009 | -.00008 | .01265  |

|        |         |         |         |        |         |        |        |
|--------|---------|---------|---------|--------|---------|--------|--------|
| Elem   | Mn2576  | Mg2790  | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00005 | -.03727 | -.00001 | .00028 | -.23793 | .00045 | .00007 |
| Stddev | .00001  | .04268  | .00016  | .00005 | .00104  | .00039 | .00008 |
| %RSD   | 24.591  | 114.52  | 2090.0  | 16.365 | .43721  | 87.701 | 107.49 |

|    |         |         |         |        |         |        |        |
|----|---------|---------|---------|--------|---------|--------|--------|
| #1 | -.00006 | -.06745 | -.00012 | .00025 | -.23720 | .00073 | .00002 |
| #2 | -.00005 | -.00709 | .00011  | .00031 | -.23867 | .00017 | .00013 |

|        |         |        |         |        |        |         |        |
|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.13477 | .00039 | -.01395 | .00142 | .00848 | -.00028 | .00326 |
| Stddev | .01370  | .00028 | .00110  | .00056 | .00079 | .00009  | .00252 |
| %RSD   | 10.168  | 70.766 | 7.8550  | 39.545 | 9.3517 | 32.739  | 77.404 |

|    |         |        |         |        |        |         |        |
|----|---------|--------|---------|--------|--------|---------|--------|
| #1 | -.12508 | .00058 | -.01318 | .00182 | .00904 | -.00034 | .00147 |
| #2 | -.14446 | .00019 | -.01472 | .00102 | .00792 | -.00021 | .00504 |

Sample Name: CCB08      Acquired: 12/11/2018 19:19:47      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |          |          |
|--------|--------|--------|---------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg    | .00101 | -.0011 | -.00006 | F 3.6428 | F<.00000 |
| Stddev | .00081 | .0008  | .00005  | .1097    | .10909   |
| %RSD   | 79.848 | 73.15  | 73.634  | 3.0104   | 133.79   |

|    |        |        |         |        |         |
|----|--------|--------|---------|--------|---------|
| #1 | .00159 | -.0016 | -.00003 | 3.5652 | -.00440 |
| #2 | .00044 | -.0005 | -.00009 | 3.7203 | -.15868 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3409.9 | 46591. | 2363.8 | 102.07 | 3762.4 |
| Stddev    | 9.1    | 89.    | 8.7    | .87    | 12.4   |
| %RSD      | .26676 | .19029 | .36671 | .84863 | .32919 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3403.5 | 46654. | 2370.0 | 102.68 | 3753.7 |
| #2 | 3416.4 | 46528. | 2357.7 | 101.46 | 3771.2 |

Sample Name: J6316-21DLX10      Acquired: 12/11/2018 19:23:52      Type: Unk  
Method: P4-ICP2(v2642)      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    | .00698 | -.00210 | 11.126 | -.00313 | .00100 | 13.092 | .57989 | .00070 |
| Stddev | .00070 | .00198  | .060   | .00200  | .00040 | .010   | .00203 | .00006 |
| %RSD   | 10.104 | 94.104  | .54089 | 64.060  | 40.480 | .07496 | .34979 | 8.5044 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00747 | -.00350 | 11.083 | -.00454 | .00128 | 13.099 | .57846 | .00066 |
| #2 | .00648 | -.00070 | 11.169 | -.00171 | .00071 | 13.085 | .58133 | .00074 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00154 | 62.896 | .02765 | .01080 | .19081 | 27.177 | .51902 | 6.9538 |
| Stddev | .00010 | .224   | .00007 | .00009 | .00002 | .342   | .00048 | .0207  |
| %RSD   | 6.5890 | .35669 | .25941 | .81026 | .01117 | 1.2567 | .09314 | .29742 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00161 | 63.055 | .02770 | .01073 | .19080 | 26.936 | .51936 | 6.9392 |
| #2 | .00147 | 62.737 | .02760 | .01086 | .19083 | 27.419 | .51868 | 6.9684 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .05658 | .00007 | 7.7214 | .12307 | 1.0056 | 1.4497 | .00065 | -.01508 |
| Stddev | .00032 | .00017 | .0022  | .00017 | .0087  | .0086  | .00001 | .00966  |
| %RSD   | .56342 | 229.99 | .02899 | .14168 | .86442 | .59496 | 1.3447 | 64.050  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .05681 | .00020  | 7.7230 | .12295 | .99950 | 1.4436 | .00064 | -.02191 |
| #2 | .05636 | -.00005 | 7.7198 | .12319 | 1.0118 | 1.4558 | .00066 | -.00825 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0522 | .36009 | .02664 | .33571 | .01791 | .7223  | .24300 | 3.6715 |
| Stddev | .0025  | .00448 | .00031 | .00100 | .00077 | .0086  | .00104 | .0030  |
| %RSD   | .23643 | 1.2439 | 1.1529 | .29882 | 4.3151 | 1.187  | .42644 | .08050 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 1.0504 | .35693 | .02685 | .33642 | .01846 | .7162 | .24373 | 3.6694 |
| #2 | 1.0539 | .36326 | .02642 | .33500 | .01737 | .7283 | .24227 | 3.6736 |

Sample Name: J6316-21DLX10      Acquired: 12/11/2018 19:23:52      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      5.3837  
 Stddev      .1424  
 %RSD      2.6453

#1      5.2830  
 #2      5.4844

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3400.0 | 46410. | 2412.2 | 96.991 | 3603.4 |
| Stddev    | 3.9    | 133.   | 1.0    | .664   | 7.5    |
| %RSD      | .11451 | .28718 | .03980 | .68460 | .20710 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3402.7 | 46316. | 2411.5 | 97.461 | 3608.7 |
| #2 | 3397.2 | 46505. | 2412.9 | 96.522 | 3598.2 |

Sample Name: J6316-21DUPDLX10      Acquired: 12/11/2018 19:27:51      Type: Unk  
Method: P4-ICP2(v2642)      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    | .00859 | -.00247 | 11.191 | .00072 | .00305 | 13.076 | .58313 | .00075 |
| Stddev | .00146 | .00020  | .032   | .00212 | .00097 | .004   | .00002 | .00004 |
| %RSD   | 17.007 | 7.9692  | .28580 | 295.20 | 31.828 | .02689 | .00368 | 5.0332 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00962 | -.00261 | 11.168 | -.00078 | .00236 | 13.074 | .58314 | .00072 |
| #2 | .00755 | -.00233 | 11.213 | .00222  | .00374 | 13.079 | .58311 | .00077 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00160 | 62.992 | .02828 | .01075 | .19152 | 27.366 | .52102 | 7.0232 |
| Stddev | .00014 | .110   | .00041 | .00031 | .00133 | .502   | .00153 | .0108  |
| %RSD   | 8.7426 | .17429 | 1.4565 | 2.8645 | .69348 | 1.8334 | .29422 | .15327 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00170 | 62.915 | .02858 | .01096 | .19246 | 27.011 | .51993 | 7.0156 |
| #2 | .00150 | 63.070 | .02799 | .01053 | .19058 | 27.721 | .52210 | 7.0308 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .05587 | -.00012 | 7.7976 | .12435 | 1.0169 | 1.4558 | .00068 | -.00708 |
| Stddev | .00042 | .00019  | .0079  | .00097 | .0182  | .0462  | .00006 | .00697  |
| %RSD   | .75485 | 157.78  | .10127 | .78171 | 1.7861 | 3.1710 | 8.2540 | 98.379  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .05557 | -.00025 | 7.8032 | .12366 | 1.0040 | 1.4231 | .00072 | -.00215 |
| #2 | .05617 | .00001  | 7.7921 | .12504 | 1.0297 | 1.4884 | .00064 | -.01201 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0604 | .36785 | .02634 | .33712 | .01781 | .7288  | .24384 | 3.5361 |
| Stddev | .0051  | .00691 | .00060 | .00128 | .00168 | .0030  | .00072 | .0814  |
| %RSD   | .47988 | 1.8795 | 2.2659 | .38038 | 9.4055 | .4173  | .29559 | 2.3025 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 1.0568 | .36296 | .02592 | .33803 | .01663 | .7309 | .24435 | 3.5937 |
| #2 | 1.0640 | .37274 | .02677 | .33621 | .01900 | .7266 | .24333 | 3.4786 |

Sample Name: J6316-21DUPDLX10      Acquired: 12/11/2018 19:27:51      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      5.7322  
 Stddev      .4594  
 %RSD      8.0140

#1      6.0570  
 #2      5.4074

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3393.7 | 46279. | 2394.8 | 96.135 | 3590.1 |
| Stddev    | 19.6   | .      | 1.1    | 1.608  | .7     |
| %RSD      | .57694 | .00053 | .04597 | 1.6730 | .01937 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3379.8 | 46279. | 2395.6 | 97.272 | 3589.6 |
| #2 | 3407.5 | 46279. | 2394.1 | 94.998 | 3590.6 |

Sample Name: J6316-21LDLX50      Acquired: 12/11/2018 19:31:49      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00134 | -.00084 | 2.3567 | .00114 | .00158 | 2.6138 | .11918 | .00016 |
| Stddev | .00159 | .00093  | .0067  | .00373 | .00063 | .0285  | .00009 | .00005 |
| %RSD   | 118.82 | 110.05  | .28443 | 327.01 | 39.740 | 1.0901 | .07710 | 29.998 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00246 | -.00150 | 2.3614 | -.00150 | .00114 | 2.5937 | .11912 | .00012 |
| #2 | .00021 | -.00019 | 2.3519 | .00378  | .00203 | 2.6339 | .11925 | .00019 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00024 | 12.643 | .00548 | .00220 | .03897 | 5.3914 | .10761 | 1.4608 |
| Stddev | .00010 | .031   | .00028 | .00013 | .00029 | .1460  | .00061 | .0283  |
| %RSD   | 41.140 | .24310 | 5.1080 | 6.0185 | .73682 | 2.7079 | .56652 | 1.9390 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00031 | 12.621 | .00528 | .00211 | .03917 | 5.2882 | .10805 | 1.4407 |
| #2 | .00017 | 12.665 | .00568 | .00230 | .03877 | 5.4947 | .10718 | 1.4808 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .01089 | -.00008 | 1.3489 | .02498 | .20513 | .18170 | -.00024 | -.00342 |
| Stddev | .00026 | .00012  | .0207  | .00041 | .00326 | .01366 | .00019  | .01024  |
| %RSD   | 2.4019 | 159.35  | 1.5322 | 1.6370 | 1.5882 | 7.5199 | 81.602  | 299.25  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .01070 | -.00016 | 1.3343 | .02527 | .20283 | .19136 | -.00037 | .00382  |
| #2 | .01107 | .00001  | 1.3635 | .02469 | .20744 | .17204 | -.00010 | -.01066 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20443 | .07908 | .00487 | .06829 | .00308 | .1400  | .04899 | 3.4921 |
| Stddev | .00036 | .00301 | .00005 | .00226 | .00078 | .0003  | .00022 | .1412  |
| %RSD   | .17586 | 3.8027 | 1.0298 | 3.3022 | 25.256 | .1846  | .45024 | 4.0421 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .20468 | .07695 | .00491 | .06670 | .00253 | .1402 | .04883 | 3.3923 |
| #2 | .20417 | .08120 | .00484 | .06988 | .00363 | .1398 | .04914 | 3.5919 |

Sample Name: J6316-21LDLX50      Acquired: 12/11/2018 19:31:49      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.0782  
 Stddev      .1730  
 %RSD      16.046

#1      1.2005  
 #2      .95587

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3408.0 | 46399. | 2383.2 | 98.042 | 3716.3 |
| Stddev    | 11.8   | 4.     | 15.2   | 1.131  | 27.5   |
| %RSD      | .34665 | .00939 | .63712 | 1.1540 | .73952 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3399.7 | 46396. | 2372.4 | 98.842 | 3696.9 |
| #2 | 3416.4 | 46402. | 2393.9 | 97.242 | 3735.8 |

Sample Name: J6316-21MSDDLX10      Acquired: 12/11/2018 19:35:32      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .07203 | .16143 | 4.1838 | .15659 | .01368 | 14.469 | .65393 | .01749 | .01738 |
| Stddev | .00185 | .00107 | .0096  | .00333 | .00065 | .017   | .00193 | .00001 | .00013 |
| %RSD   | 2.5646 | .66208 | .22893 | 2.1249 | 4.7537 | .11903 | .29545 | .03358 | .76124 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .07334 | .16218 | 4.1906 | .15895 | .01414 | 14.482 | .65530 | .01749 | .01747 |
| #2 | .07073 | .16067 | 4.1770 | .15424 | .01322 | 14.457 | .65257 | .01748 | .01729 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 58.796 | .06866 | .02803 | .24049 | 30.529 | .56815 | 7.6350 | .09916 | .00522 |
| Stddev | .269   | .00020 | .00020 | .00246 | .507   | .00047 | .0259  | .00014 | .00015 |
| %RSD   | .45746 | .29597 | .71220 | 1.0231 | 1.6595 | .08202 | .33934 | .13709 | 2.7816 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 58.606 | .06852 | .02817 | .24223 | 30.171 | .56848 | 7.6534 | .09926 | .00532 |
| #2 | 58.986 | .06881 | .02789 | .23875 | 30.887 | .56782 | 7.6167 | .09907 | .00512 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 8.6560 | .15015 | 1.2565 | 2.3485 | .03147 | .00636 | 1.9490 | .46813 | .08524 |
| Stddev | .0048  | .00128 | .0190  | .0082  | .00015 | .00375 | .0049  | .00252 | .00009 |
| %RSD   | .05495 | .85550 | 1.5088 | .34745 | .48922 | 59.001 | .24986 | .53791 | .10018 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.6526 | .15106 | 1.2431 | 2.3543 | .03158 | .00371 | 1.9525 | .46635 | .08518 |
| #2 | 8.6594 | .14924 | 1.2699 | 2.3428 | .03136 | .00902 | 1.9456 | .46991 | .08530 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .37858 | .03766 | 1.253  | .25901 | 3.7737 | 6.4238 |
| Stddev | .00216 | .00097 | .001   | .00076 | .0938  | .3691  |
| %RSD   | .56980 | 2.5766 | .0638  | .29191 | 2.4844 | 5.7466 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .38011 | .03698 | 1.253 | .25955 | 3.8400 | 6.6848 |
| #2 | .37706 | .03835 | 1.254 | .25848 | 3.7074 | 6.1628 |

Sample Name: J6316-21MSDDLX10      Acquired: 12/11/2018 19:35:32      Type: Unk  
Method: P4-ICP2(v2642)      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       | 3395.1 | 46284. | 2394.9 | 97.319 | 3594.3 |
| Stddev    | 9.6    | 133.   | 4.6    | 1.434  | .5     |
| %RSD      | .28219 | .28747 | .19115 | 1.4732 | .01457 |
| #1        | 3388.3 | 46190. | 2391.7 | 98.332 | 3594.0 |
| #2        | 3401.8 | 46378. | 2398.2 | 96.305 | 3594.7 |

Sample Name: J6316-21ADLX10      Acquired: 12/11/2018 19:39:29      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .07578 | .16225 | 4.2008 | .15870 | .01533 | 14.629 | .65291 | .01759 | .01745 |
| Stddev | .00056 | .00015 | .0071  | .00206 | .00190 | .058   | .00314 | .00010 | .00006 |
| %RSD   | .73339 | .09419 | .16800 | 1.2992 | 12.374 | .39869 | .48099 | .59186 | .31627 |
| #1     | .07617 | .16214 | 4.2058 | .15725 | .01399 | 14.588 | .65513 | .01752 | .01749 |
| #2     | .07539 | .16236 | 4.1959 | .16016 | .01668 | 14.671 | .65069 | .01766 | .01741 |
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 58.988 | .06879 | .02817 | .24207 | 30.739 | .57046 | 7.5450 | .10003 | .00542 |
| Stddev | .032   | .00013 | .00001 | .00098 | .334   | .00115 | .0060  | .00030 | .00006 |
| %RSD   | .05346 | .19526 | .01813 | .40505 | 1.0851 | .20138 | .07999 | .30202 | 1.1779 |
| #1     | 59.010 | .06869 | .02817 | .24138 | 30.975 | .56965 | 7.5407 | .09981 | .00547 |
| #2     | 58.965 | .06888 | .02818 | .24277 | 30.503 | .57127 | 7.5492 | .10024 | .00537 |
| 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    | 8.6128 | .15063 | 1.2621 | 2.3500 | .03173 | .00648 | 1.9503 | .46967 | .08493 |
| Stddev | .0530  | .00089 | .0117  | .0260  | .00004 | .00253 | .0030  | .00781 | .00047 |
| %RSD   | .61560 | .58995 | .92300 | 1.1055 | .11225 | 39.026 | .15551 | 1.6639 | .55782 |
| #1     | 8.6503 | .15126 | 1.2703 | 2.3316 | .03171 | .00826 | 1.9525 | .47520 | .08526 |
| #2     | 8.5754 | .15000 | 1.2539 | 2.3684 | .03176 | .00469 | 1.9482 | .46414 | .08459 |
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |        |        |        |
| Avg    | .37733 | .03719 | 1.260  | .25823 | 3.6756 | 6.0025 |        |        |        |
| Stddev | .00043 | .00097 | .001   | .00073 | .0156  | .4758  |        |        |        |
| %RSD   | .11424 | 2.6013 | .0902  | .28134 | .42391 | 7.9268 |        |        |        |
| #1     | .37763 | .03788 | 1.259  | .25874 | 3.6646 | 6.3389 |        |        |        |
| #2     | .37702 | .03651 | 1.260  | .25772 | 3.6866 | 5.6660 |        |        |        |

Sample Name: J6316-21ADLX10      Acquired: 12/11/2018 19:39:29      Type: Unk  
Method: P4-ICP2(v2642)      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       | 3408.9 | 46309. | 2414.8 | 97.554 | 3600.1 |
| Stddev    | 2.6    | 43.    | 11.6   | .994   | 9.4    |
| %RSD      | .07715 | .09281 | .47972 | 1.0190 | .26134 |
| #1        | 3407.0 | 46340. | 2406.6 | 96.851 | 3593.5 |
| #2        | 3410.7 | 46279. | 2423.0 | 98.257 | 3606.8 |

Sample Name: J6214-31      Acquired: 12/11/2018 19:43:26      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-2-(15-17) Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02193 | -.03462 | 1.0424 | -.02489 | .01404 | 279.08 | 1.4847 |
| Stddev | .00409 | .00081  | .0068  | .00398  | .00187 | 2.14   | .0006  |
| %RSD   | 18.628 | 2.3390  | .65473 | 15.991  | 13.294 | .76623 | .04191 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01904 | -.03519 | 1.0473 | -.02207 | .01272 | 277.57 | 1.4852 |
| #2 | .02482 | -.03405 | 1.0376 | -.02770 | .01536 | 280.60 | 1.4843 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01040 | .00370 | F 1962.3 | .38673 | .19452 | .61402 | 409.91 |
| Stddev | .00004 | .00075 | 3.0      | .00070 | .00145 | .00258 | 4.82   |
| %RSD   | .39257 | 20.163 | .15336   | .18212 | .74752 | .42027 | 1.1766 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01037 | .00423 | 1964.4 | .38723 | .19555 | .61584 | 406.50 |
| #2 | .01043 | .00317 | 1960.2 | .38624 | .19349 | .61219 | 413.32 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.3137 | 214.79 | .36924 | -.00834 | 10.515 | .53598 | 2.4148 |
| Stddev | .0127  | .92    | .00103 | .00111  | .023   | .00044 | .0125  |
| %RSD   | .29437 | .42724 | .27921 | 13.295  | .22201 | .08190 | .51638 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.3047 | 214.14 | .36997 | -.00913 | 10.531 | .53629 | 2.4060 |
| #2 | 4.3227 | 215.44 | .36851 | -.00756 | 10.498 | .53567 | 2.4236 |

|        |        |        |         |          |        |        |          |
|--------|--------|--------|---------|----------|--------|--------|----------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361   |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm      |
| Avg    | 113.62 | .01897 | -.00146 | F 30.592 | 2.9650 | .04408 | F 14.879 |
| Stddev | .44    | .00040 | .01141  | .169     | .0473  | .00063 | .023     |
| %RSD   | .38545 | 2.0891 | 784.09  | .55185   | 1.5947 | 1.4274 | .15469   |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 113.93 | .01869 | -.00953 | 30.711 | 2.9984 | .04452 | 14.863 |
| #2 | 113.31 | .01925 | .00662  | 30.472 | 2.9315 | .04363 | 14.895 |

Sample Name: J6214-31      Acquired: 12/11/2018 19:43:26      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-2-(15-17) Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .51749 | F 11.97 | 4.9939 | 2.3211 | F<.00000 |
| Stddev | .00075 | .08     | .0266  | .1338  | 1.2769   |
| %RSD   | .14541 | .6293   | .53301 | 5.7648 | 1.4552   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .51696 | 12.02 | 5.0127 | 2.2265 | -88.649 |
| #2 | .51802 | 11.91 | 4.9751 | 2.4157 | -86.843 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3342.5 | 46234. | 2724.8 | 82.902 | 2569.9 |
| Stddev    | 12.5   | 169.   | 18.0   | .364   | 15.5   |
| %RSD      | .37486 | .36641 | .65928 | .43896 | .60256 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3333.6 | 46353. | 2712.1 | 83.159 | 2558.9 |
| #2 | 3351.4 | 46114. | 2737.5 | 82.644 | 2580.8 |

Sample Name: J6214-41      Acquired: 12/11/2018 19:47:30      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-5-(0-2)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04964 | -.02061 | 3.1852 | -.00831 | .01312 | 194.27 | 1.9111 |
| Stddev | .00460 | .00020  | .0073  | .00122  | .00004 | 1.00   | .0125  |
| %RSD   | 9.2751 | .95260  | .22809 | 14.641  | .32951 | .51520 | .65449 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .05290 | -.02075 | 3.1903 | -.00745 | .01315 | 193.56 | 1.9199 |
| #2 | .04638 | -.02047 | 3.1800 | -.00917 | .01309 | 194.98 | 1.9023 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01843 | .00395 | 418.05 | .40415 | .20585 | .71063 | 477.60 |
| Stddev | .00007 | .00055 | 2.77   | .00073 | .00005 | .00032 | 9.23   |
| %RSD   | .39363 | 13.941 | .66375 | .18081 | .02361 | .04483 | 1.9331 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01837 | .00356 | 420.01 | .40363 | .20581 | .71085 | 484.13 |
| #2 | .01848 | .00434 | 416.08 | .40466 | .20588 | .71040 | 471.07 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 12.003 | 218.64 | .37601 | -.00173 | 1.8398 | .65640 | 4.1012 |
| Stddev | .053   | .78    | .00153 | .00088  | .0289  | .00365 | .1079  |
| %RSD   | .44512 | .35693 | .40573 | 51.067  | 1.5678 | .55679 | 2.6302 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 11.965 | 219.19 | .37709 | -.00111 | 1.8602 | .65381 | 4.1774 |
| #2 | 12.040 | 218.09 | .37494 | -.00235 | 1.8194 | .65898 | 4.0249 |

|        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 31.550 | .01485 | .01064 | 2.4270 | 2.9046 | .13655 | F 10.392 |
| Stddev | .312   | .00014 | .01789 | .0090  | .0118  | .00055 | .020     |
| %RSD   | .98824 | .94842 | 168.19 | .37146 | .40770 | .40049 | .19233   |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 31.770 | .01475 | .02329  | 2.4206 | 2.9130 | .13616 | 10.406 |
| #2 | 31.329 | .01495 | -.00201 | 2.4333 | 2.8963 | .13694 | 10.378 |

Sample Name: J6214-41      Acquired: 12/11/2018 19:47:30      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-5-(0-2)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .24732 | 9.999  | .13597 | <.00000 | F<.00000 |
| Stddev | .00083 | .064   | .00429 | .03025  | 1.7223   |
| %RSD   | .33496 | .6410  | 3.1551 | 6.2419  | 1.2342   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .24791 | 9.954 | .13293 | -.46330 | -138.33 |
| #2 | .24674 | 10.04 | .13900 | -.50609 | -140.77 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3641.3 | 50683. | 2798.8 | 87.067 | 2954.7 |
| Stddev    | .1     | 16.    | 33.3   | 2.301  | 7.2    |
| %RSD      | .00302 | .03160 | 1.1913 | 2.6432 | .24259 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3641.2 | 50694. | 2775.2 | 85.440 | 2959.8 |
| #2 | 3641.4 | 50672. | 2822.4 | 88.695 | 2949.6 |

Sample Name: J6214-43      Acquired: 12/11/2018 19:51:34      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-5-(12.5-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06718 | -.01135 | 2.3614 | -.00913 | .01282 | 133.20 | 1.8762 |
| Stddev | .00132 | .00068  | .0143  | .00273  | .00220 | .32    | .0008  |
| %RSD   | 1.9692 | 6.0250  | .60684 | 29.905  | 17.186 | .23771 | .04281 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .06625 | -.01183 | 2.3513 | -.00720 | .01126 | 132.98 | 1.8768 |
| #2 | .06812 | -.01086 | 2.3715 | -.01106 | .01437 | 133.43 | 1.8757 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00623 | .01300 | 132.57 | .30234 | .12653 | .64965 | 294.68 |
| Stddev | .00007 | .00154 | .97    | .00228 | .00149 | .00737 | 8.98   |
| %RSD   | 1.1334 | 11.867 | .73051 | .75443 | 1.1809 | 1.1344 | 3.0477 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00618 | .01191 | 133.26 | .30073 | .12547 | .64444 | 301.03 |
| #2 | .00628 | .01409 | 131.89 | .30395 | .12758 | .65486 | 288.33 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.9202 | 72.244 | .24385 | -.00525 | 3.0184 | .45707 | 4.6647 |
| Stddev | .0069  | .209   | .00142 | .00071  | .0049  | .00140 | .1559  |
| %RSD   | .17517 | .28938 | .58131 | 13.428  | .16216 | .30614 | 3.3429 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.9153 | 72.096 | .24285 | -.00475 | 3.0218 | .45608 | 4.7750 |
| #2 | 3.9250 | 72.392 | .24486 | -.00575 | 3.0149 | .45806 | 4.5545 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 54.740 | .02818 | -.02508 | 6.3039 | 2.3224 | .89536 | 7.9774 |
| Stddev | .119   | .00027 | .02218  | .0500  | .0032  | .00678 | .0043  |
| %RSD   | .21665 | .97167 | 88.448  | .79249 | .13625 | .75674 | .05321 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 54.824 | .02799 | -.00939 | 6.2686 | 2.3247 | .89057 | 7.9804 |
| #2 | 54.656 | .02837 | -.04076 | 6.3392 | 2.3202 | .90015 | 7.9744 |

Sample Name: J6214-43      Acquired: 12/11/2018 19:51:34      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-5-(12.5-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .31802 | 7.128  | .21818 | 1.5407 | F<.00000 |
| Stddev | .00213 | .055   | .00575 | .0145  | .42461   |
| %RSD   | .66957 | .7688  | 2.6357 | .94111 | .59098   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .31953 | 7.089 | .21412 | 1.5509 | -72.150 |
| #2 | .31652 | 7.167 | .22225 | 1.5304 | -71.549 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3541.6 | 48679. | 2662.8 | 94.307 | 3262.1 |
| Stddev    | 18.5   | 130.   | 11.2   | 3.182  | 19.7   |
| %RSD      | .52328 | .26714 | .42170 | 3.3743 | .60300 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3554.7 | 48771. | 2654.9 | 92.057 | 3276.0 |
| #2 | 3528.5 | 48587. | 2670.8 | 96.557 | 3248.2 |

Sample Name: J6214-45      Acquired: 12/11/2018 19:55:30      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-6-(0-2)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06587 | -.02704 | 7.4218 | -.00835 | .02052 | 195.89 | 3.7341 |
| Stddev | .00257 | .00097  | .0147  | .01125  | .00157 | .84    | .0141  |
| %RSD   | 3.9043 | 3.5755  | .19838 | 134.65  | 7.6409 | .43040 | .37635 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .06769 | -.02636 | 7.4322 | -.01630 | .01941 | 195.29 | 3.7441 |
| #2 | .06406 | -.02773 | 7.4114 | -.00040 | .02163 | 196.48 | 3.7242 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00871 | .01915 | 812.71 | .43013 | .19194 | 1.1116 | 472.22 |
| Stddev | .00004 | .00054 | .33    | .00241 | .00039 | .0061  | 2.14   |
| %RSD   | .45847 | 2.8072 | .04085 | .56001 | .20251 | .54840 | .45302 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00873 | .01953 | 812.47 | .43183 | .19167 | 1.1159 | 470.71 |
| #2 | .00868 | .01877 | 812.94 | .42843 | .19222 | 1.1073 | 473.73 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.8488 | 247.33 | .67594 | -.00889 | 4.6880 | .75087 | 8.3573 |
| Stddev | .0028  | 2.12   | .00156 | .00040  | .0316  | .00456 | .0346  |
| %RSD   | .05776 | .85681 | .23119 | 4.4779  | .67417 | .60727 | .41411 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.8507 | 248.83 | .67705 | -.00917 | 4.7104 | .75409 | 8.3328 |
| #2 | 4.8468 | 245.83 | .67484 | -.00861 | 4.6657 | .74764 | 8.3817 |

|        |        |        |        |          |        |        |          |
|--------|--------|--------|--------|----------|--------|--------|----------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 68.360 | .01759 | .04897 | F 16.906 | 4.1252 | .15206 | F 11.823 |
| Stddev | .320   | .00017 | .00322 | .022     | .0071  | .00191 | .062     |
| %RSD   | .46833 | .98831 | 6.5852 | .13014   | .17189 | 1.2534 | .52207   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 68.587 | .01771 | .04669 | 16.922 | 4.1302 | .15341 | 11.867 |
| #2 | 68.134 | .01746 | .05125 | 16.891 | 4.1202 | .15071 | 11.779 |

Sample Name: J6214-45      Acquired: 12/11/2018 19:55:30      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-6-(0-2)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .35557 | F 11.08 | 1.2034 | 1.4412 | F<.00000 |
| Stddev | .00260 | .01     | .0029  | .0482  | .24279   |
| %RSD   | .73006 | .0961   | .24104 | 3.3465 | .19959   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .35374 | 11.09 | 1.2054 | 1.4071 | -121.82 |
| #2 | .35741 | 11.07 | 1.2013 | 1.4753 | -121.48 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3349.8 | 46576. | 2670.3 | 84.762 | 2824.9 |
| Stddev    | 17.8   | 127.   | 20.6   | .325   | 5.4    |
| %RSD      | .53200 | .27159 | .77274 | .38375 | .19072 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3337.2 | 46487. | 2655.7 | 84.992 | 2821.1 |
| #2 | 3362.4 | 46665. | 2684.9 | 84.532 | 2828.8 |

Sample Name: CCV09      Acquired: 12/11/2018 19:59:27      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8385 | 4.8387 | 4.7714 | 4.8265 | 4.9133 | 9.7735 | 10.002 | .24112   |
| Stddev | .0002  | .0233  | .0073  | .0151  | .0067  | .0121  | .005   | .00080   |
| %RSD   | .00342 | .48251 | .15188 | .31240 | .13688 | .12376 | .04954 | .33147   |
| #1     | 4.8386 | 4.8552 | 4.7765 | 4.8371 | 4.9180 | 9.7649 | 9.9989 | .24169   |
| #2     | 4.8383 | 4.8222 | 4.7662 | 4.8158 | 4.9085 | 9.7820 | 10.006 | .24056   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3731 | 25.191 | .98404 | 2.3908 | 1.2335 | 4.8529 | 2.4482 | 24.526   |
| Stddev | .0070  | .011   | .00062 | .0047  | .0030  | .0760  | .0029  | .031     |
| %RSD   | .29469 | .04371 | .06338 | .19763 | .24609 | 1.5657 | .11898 | .12596   |
| #1     | 2.3780 | 25.198 | .98448 | 2.3942 | 1.2357 | 4.7991 | 2.4503 | 24.504   |
| #2     | 2.3681 | 25.183 | .98360 | 2.3875 | 1.2314 | 4.9066 | 2.4462 | 24.547   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3928 | 1.2034 | 24.541 | 2.4131 | 2.4473 | 24.691 | 4.8920 | 4.9149   |
| Stddev | .0080  | .0083  | .042   | .0004  | .0392  | .045   | .0018  | .0241    |
| %RSD   | .33576 | .68816 | .17000 | .01759 | 1.6006 | .18171 | .03708 | .48971   |
| #1     | 2.3984 | 1.2093 | 24.570 | 2.4134 | 2.4196 | 24.723 | 4.8932 | 4.8979   |
| #2     | 2.3871 | 1.1976 | 24.511 | 2.4128 | 2.4750 | 24.659 | 4.8907 | 4.9319   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.6692 | 4.8949 | 4.7208 | 4.8958 | 4.9844 | 4.702  | 5.0564 | F 3.8919 |
| Stddev | .0180  | .0191  | .0125  | .0159  | .0071  | .013   | .0041  | .1049    |
| %RSD   | .38614 | .38967 | .26430 | .32557 | .14325 | .2769  | .08044 | 2.6949   |
| #1     | 4.6819 | 4.8814 | 4.7296 | 4.9070 | 4.9794 | 4.711  | 5.0536 | 3.9660   |
| #2     | 4.6564 | 4.9084 | 4.7120 | 4.8845 | 4.9895 | 4.693  | 5.0593 | 3.8177   |

Sample Name: CCV09      Acquired: 12/11/2018 19:59:27      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.9658  
Stddev      .2266  
%RSD      11.528

#1      2.1260  
#2      1.8055

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3363.8 | 45631. | 2429.7 | 94.730 | 3474.4 |
| Stddev    | 9.0    | 38.    | 2.1    | 1.350  | 18.2   |
| %RSD      | .26760 | .08263 | .08571 | 1.4252 | .52490 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3357.4 | 45604. | 2431.2 | 95.684 | 3461.5 |
| #2 | 3370.1 | 45658. | 2428.2 | 93.775 | 3487.3 |

Sample Name: CCB09      Acquired: 12/11/2018 20:03:14      Type: Unk  
Method: P4-ICP2(v2642)      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    | .00028  | -.00117 | .00156  | -.00134 | .00198  | -.00270 | .00193  | -.00005  |
| Stddev | .00021  | .00074  | .00025  | .00099  | .00046  | .01871  | .00127  | .00009   |
| %RSD   | 76.136  | 63.454  | 16.040  | 73.783  | 23.278  | 693.62  | 65.957  | 157.02   |
| #1     | .00043  | -.00064 | .00139  | -.00203 | .00166  | -.01593 | .00103  | .00001   |
| #2     | .00013  | -.00169 | .00174  | -.00064 | .00231  | .01053  | .00283  | -.00012  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00002 | .00665  | -.00030 | -.00008 | -.00056 | -.00102 | -.00009 | .04058   |
| Stddev | .00001  | .02125  | .00020  | .00018  | .00040  | .00018  | .00002  | .01865   |
| %RSD   | 52.295  | 319.36  | 66.756  | 245.74  | 72.369  | 18.027  | 17.860  | 45.960   |
| #1     | -.00002 | -.00837 | -.00044 | .00006  | -.00084 | -.00114 | -.00010 | .02739   |
| #2     | -.00003 | .02168  | -.00016 | -.00021 | -.00027 | -.00089 | -.00008 | .05377   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00004 | .00016  | -.24862 | .00051  | .00015  | -.12183 | .00066  | -.00269  |
| Stddev | .00027  | .00040  | .02250  | .00051  | .00008  | .03321  | .00030  | .00425   |
| %RSD   | 693.79  | 246.76  | 9.0488  | 98.658  | 50.928  | 27.263  | 45.479  | 158.07   |
| #1     | -.00023 | .00044  | -.26452 | .00087  | .00021  | -.14531 | .00088  | .00032   |
| #2     | .00015  | -.00012 | -.23271 | .00016  | .00010  | -.09834 | .00045  | -.00570  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00219  | .00274  | -.00026 | .00491  | -.00165 | .0000   | -.00012 | F 3.1918 |
| Stddev | .00421  | .00039  | .00080  | .00049  | .00167  | .0001   | .00003  | .0216    |
| %RSD   | 192.44  | 14.166  | 303.59  | 9.8783  | 101.28  | 238.3   | 23.032  | .67802   |
| #1     | .00517  | .00247  | .00030  | .00526  | -.00047 | .0001   | -.00010 | 3.1765   |
| #2     | -.00079 | .00302  | -.00083 | .00457  | -.00282 | -.0000  | -.00014 | 3.2071   |

Sample Name: CCB09      Acquired: 12/11/2018 20:03:14      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .03561  
Stddev      .06154  
%RSD      172.78

#1      -.00790  
#2      .07913

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3465.7 | 46811. | 2457.1 | 99.821 | 3820.3 |
| Stddev    | 3.5    | 46.    | .2     | 1.220  | 10.8   |
| %RSD      | .10078 | .09885 | .00759 | 1.2219 | .28343 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3463.2 | 46779. | 2457.0 | 98.958 | 3812.6 |
| #2 | 3468.2 | 46844. | 2457.2 | 100.68 | 3828.0 |

Sample Name: J6214-47      Acquired: 12/11/2018 20:07:19      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-6-(13-15) Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .09472 | -.01901 | 12.607 | .00991 | .02465 | 154.14 | 3.2519 |
| Stddev | .00174 | .00154  | .005   | .00284 | .00124 | .84    | .0163  |
| %RSD   | 1.8381 | 8.1019  | .03594 | 28.640 | 5.0307 | .54772 | .50190 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .09349 | -.01792 | 12.603 | .01191 | .02553 | 153.54 | 3.2635 |
| #2 | .09595 | -.02009 | 12.610 | .00790 | .02377 | 154.73 | 3.2404 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01582 | .00102 | 676.74 | .28893 | .18333 | 1.5163 | 474.06 |
| Stddev | .00016 | .00106 | 4.70   | .00147 | .00096 | .0021  | 4.59   |
| %RSD   | 1.0405 | 104.06 | .69419 | .50942 | .52612 | .13570 | .96806 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01594 | .00027 | 680.07 | .28789 | .18265 | 1.5149 | 477.31 |
| #2 | .01571 | .00178 | 673.42 | .28997 | .18401 | 1.5178 | 470.82 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 12.671 | 266.98 | .30316 | -.00424 | 5.6740 | .49521 | 3.9381 |
| Stddev | .027   | .94    | .00047 | .00102  | .0034  | .00094 | .0762  |
| %RSD   | .21571 | .35289 | .15522 | 24.040  | .05933 | .18965 | 1.9348 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 12.652 | 267.65 | .30350 | -.00352 | 5.6763 | .49454 | 3.9919 |
| #2 | 12.690 | 266.32 | .30283 | -.00496 | 5.6716 | .49587 | 3.8842 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 18.297 | .03408 | .05921 | 4.1245 | 2.0815 | 4.5244 | 6.7852 |
| Stddev | .159   | .00028 | .00098 | .0154  | .0039  | .0098  | .0089  |
| %RSD   | .87058 | .80753 | 1.6533 | .37364 | .18907 | .21679 | .13051 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.409 | .03389 | .05851 | 4.1354 | 2.0843 | 4.5174 | 6.7790 |
| #2 | 18.184 | .03428 | .05990 | 4.1136 | 2.0787 | 4.5313 | 6.7915 |

Sample Name: J6214-47      Acquired: 12/11/2018 20:07:19      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-6-(13-15) Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .22378 | F 10.85 | .66183 | .25800 | F<.00000 |
| Stddev | .00148 | .04     | .00329 | .08016 | .45663   |
| %RSD   | .66123 | .3321   | .49652 | 31.068 | .37367   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .22273 | 10.88 | .66416 | .31468 | -121.88 |
| #2 | .22482 | 10.83 | .65951 | .20133 | -122.52 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3531.2 | 48660. | 2791.3 | 85.172 | 2870.9 |
| Stddev    | 5.2    | 85.    | 30.0   | 1.720  | .6     |
| %RSD      | .14854 | .17397 | 1.0761 | 2.0193 | .02243 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3527.5 | 48600. | 2770.0 | 83.956 | 2870.5 |
| #2 | 3534.9 | 48720. | 2812.5 | 86.389 | 2871.4 |

Sample Name: J6214-49      Acquired: 12/11/2018 20:11:22      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-7-(0-2)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03881 | -.02683 | 1.2276 | .02257 | .01330 | 247.26 | 1.2815 |
| Stddev | .00121 | .00030  | .0110  | .00075 | .00153 | 1.02   | .0021  |
| %RSD   | 3.1097 | 1.1274  | .89674 | 3.3114 | 11.514 | .41394 | .16467 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .03966 | -.02704 | 1.2354 | .02204 | .01221 | 247.98 | 1.2830 |
| #2 | .03795 | -.02661 | 1.2198 | .02310 | .01438 | 246.53 | 1.2800 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03501 | .00561 | 240.08 | .40822 | .27778 | .41723 | 543.25 |
| Stddev | .00027 | .00132 | 1.55   | .00141 | .00112 | .00313 | 7.07   |
| %RSD   | .76756 | 23.474 | .64503 | .34613 | .40247 | .75061 | 1.3013 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .03482 | .00655 | 238.98 | .40922 | .27857 | .41944 | 538.25 |
| #2 | .03520 | .00468 | 241.17 | .40722 | .27699 | .41501 | 548.25 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.425 | 253.41 | .41951 | .00077 | 3.9287 | .56149 | 4.1104 |
| Stddev | .006   | .39    | .00150 | .00043 | .0135  | .00454 | .0740  |
| %RSD   | .05569 | .15271 | .35659 | 56.202 | .34442 | .80935 | 1.8000 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.421 | 253.69 | .42057 | .00046 | 3.9383 | .55827 | 4.0581 |
| #2 | 11.430 | 253.14 | .41845 | .00107 | 3.9192 | .56470 | 4.1628 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 25.427 | .01314 | .15986 | 2.1266 | 2.6117 | .10505 | 9.3566 |
| Stddev | .007   | .00019 | .00441 | .0015  | .0428  | .00107 | .0123  |
| %RSD   | .02685 | 1.4540 | 2.7583 | .06901 | 1.6386 | 1.0142 | .13106 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 25.432 | .01328 | .15675 | 2.1256 | 2.5814 | .10580 | 9.3653 |
| #2 | 25.422 | .01301 | .16298 | 2.1277 | 2.6419 | .10430 | 9.3479 |

Sample Name: J6214-49      Acquired: 12/11/2018 20:11:22      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-7-(0-2)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .22245 | F 16.89 | -.29241 | <.00000 | F<.00000 |
| Stddev | .00013 | .08     | .00630  | .26565  | .63394   |
| %RSD   | .06038 | .4706   | 2.1544  | 9.0533  | .40919   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .22255 | 16.95 | -.28795 | -2.7464 | -154.48 |
| #2 | .22236 | 16.83 | -.29686 | -3.1221 | -155.37 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4010.0 | 55402. | 3145.4 | 85.726 | 2960.9 |
| Stddev    | 16.2   | 226.   | 8.0    | 1.536  | 19.2   |
| %RSD      | .40406 | .40766 | .25538 | 1.7921 | .64904 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3998.5 | 55242. | 3151.1 | 86.812 | 2947.3 |
| #2 | 4021.4 | 55562. | 3139.7 | 84.640 | 2974.5 |

Sample Name: J6214-50      Acquired: 12/11/2018 20:15:25      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-7-(12.5-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .06090 | -.02309 | 5.9810 | .01320 | .01789 | 181.37 | 3.7664 |
| Stddev | .00165 | .00075  | .0152  | .00148 | .00047 | 1.26   | .0058  |
| %RSD   | 2.7041 | 3.2440  | .25420 | 11.186 | 2.6427 | .69589 | .15439 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .06206 | -.02362 | 5.9917 | .01216 | .01756 | 180.47 | 3.7623 |
| #2 | .05973 | -.02256 | 5.9702 | .01425 | .01823 | 182.26 | 3.7705 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01374 | .00147 | 260.02 | .36933 | .17022 | 1.4770 | 425.83 |
| Stddev | .00015 | .00056 | .66    | .00065 | .00026 | .0013  | 4.88   |
| %RSD   | 1.0943 | 38.076 | .25573 | .17660 | .15554 | .08604 | 1.1470 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01363 | .00186 | 259.55 | .36887 | .17004 | 1.4779 | 422.38 |
| #2 | .01384 | .00107 | 260.49 | .36979 | .17041 | 1.4761 | 429.28 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.3655 | 121.75 | .41605 | -.00966 | 7.0884 | .62729 | 3.9483 |
| Stddev | .0130  | .40    | .00060 | .00090  | .0120  | .00191 | .0332  |
| %RSD   | .24169 | .33094 | .14528 | 9.2952  | .16928 | .30441 | .84040 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.3564 | 121.46 | .41563 | -.01030 | 7.0969 | .62594 | 3.9248 |
| #2 | 5.3747 | 122.03 | .41648 | -.00903 | 7.0799 | .62864 | 3.9718 |

|        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 75.854 | .02144 | .06987 | 9.8598 | 2.9558 | 1.0780 | F 13.336 |
| Stddev | .006   | .00039 | .01041 | .0247  | .0020  | .0042  | .026     |
| %RSD   | .00793 | 1.8109 | 14.896 | .25089 | .06671 | .39371 | .19142   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 75.850 | .02171 | .06251 | 9.8773 | 2.9544 | 1.0750 | 13.318 |
| #2 | 75.858 | .02116 | .07724 | 9.8423 | 2.9572 | 1.0810 | 13.354 |

Sample Name: J6214-50      Acquired: 12/11/2018 20:15:25      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-7-(12.5-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .31987 | F 51.97 | .30406 | .19088 | F<.00000 |
| Stddev | .00060 | .11     | .00340 | .00293 | 1.1036   |
| %RSD   | .18829 | .2134   | 1.1186 | 1.5340 | .97285   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .31945 | 52.05 | .30646 | .18881 | -114.22 |
| #2 | .32030 | 51.90 | .30165 | .19295 | -112.66 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3519.7 | 48490. | 2773.5 | 91.424 | 3070.6 |
| Stddev    | 1.1    | 180.   | 1.9    | .706   | 3.8    |
| %RSD      | .03053 | .37160 | .06864 | .77254 | .12359 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3519.0 | 48617. | 2772.1 | 91.923 | 3067.9 |
| #2 | 3520.5 | 48362. | 2774.8 | 90.924 | 3073.3 |

Sample Name: J6275-01      Acquired: 12/11/2018 20:19:27      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BF-01-120418      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04597 | -.00458 | .08651 | -.00115 | .00797 | 189.56 | .18776 |
| Stddev | .00073 | .00078  | .00028 | .00220  | .00041 | .59    | .00025 |
| %RSD   | 1.5922 | 16.928  | .32389 | 191.93  | 5.1355 | .31268 | .13243 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04545 | -.00513 | .08632 | -.00270 | .00768 | 189.14 | .18793 |
| #2 | .04649 | -.00403 | .08671 | .00041  | .00826 | 189.97 | .18758 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00290 | -.00636 | -.25915 | .24482 | .01573 | .09468 | 217.85 |
| Stddev | .00009 | .00047  | .01170  | .00037 | .00017 | .00047 | 2.93   |
| %RSD   | 3.1658 | 7.4548  | 4.5155  | .14928 | 1.0887 | .49442 | 1.3444 |

|    |        |         |         |        |        |        |        |
|----|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00284 | -.00670 | -.26743 | .24456 | .01585 | .09435 | 219.92 |
| #2 | .00297 | -.00603 | -.25088 | .24508 | .01561 | .09501 | 215.78 |

|        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .20086 | 1.6883 | .03960 | -.00597 | -.23801 | .41667 | .05497 |
| Stddev | .00056 | .0322  | .00010 | .00082  | .00247  | .00272 | .00049 |
| %RSD   | .28041 | 1.9062 | .24983 | 13.772  | 1.0381  | .65242 | .88363 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .20046 | 1.7111 | .03953 | -.00539 | -.23976 | .41475 | .05532 |
| #2 | .20126 | 1.6656 | .03967 | -.00655 | -.23626 | .41860 | .05463 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.2600 | .00676 | -.01346 | 1.6132 | 1.8149 | .00880 | .59563 |
| Stddev | .0061  | .00008 | .00561  | .0020  | .0138  | .00198 | .00278 |
| %RSD   | .27096 | 1.2265 | 41.687  | .12218 | .76231 | 22.540 | .46732 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 2.2643 | .00670 | -.00949 | 1.6118 | 1.8247 | .01021 | .59760 |
| #2 | 2.2556 | .00682 | -.01742 | 1.6146 | 1.8051 | .00740 | .59366 |

Sample Name: J6275-01      Acquired: 12/11/2018 20:19:27      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: BF-01-120418      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .06006 | 1.317  | -.23179 | .45123 | F<.00000 |
| Stddev | .00227 | .005   | .00315  | .04433 | .94457   |
| %RSD   | 3.7809 | .3798  | 1.3608  | 9.8247 | 2.3155   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .06167 | 1.313 | -.23402 | .48258 | -41.462 |
| #2 | .05845 | 1.320 | -.22956 | .41988 | -40.126 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3816.1 | 50970. | 2876.0 | 97.983 | 3558.5 |
| Stddev    | 2.0    | 22.    | 14.8   | 1.687  | 14.3   |
| %RSD      | .05214 | .04253 | .51504 | 1.7221 | .40181 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3814.7 | 50955. | 2865.5 | 96.789 | 3568.6 |
| #2 | 3817.5 | 50985. | 2886.5 | 99.176 | 3548.4 |

Sample Name: J6275-01DUP      Acquired: 12/11/2018 20:23:31      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BF-01-120418      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05012 | -.00572 | .08454 | -.00093 | .00751 | 188.30 | .18564 |
| Stddev | .00216 | .00185  | .00104 | .00093  | .00229 | .77    | .00080 |
| %RSD   | 4.3041 | 32.273  | 1.2345 | 100.95  | 30.549 | .40914 | .43010 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04859 | -.00442 | .08527 | -.00027 | .00589 | 188.85 | .18620 |
| #2 | .05164 | -.00703 | .08380 | -.00159 | .00913 | 187.76 | .18507 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00276 | -.00660 | -.28747 | .24460 | .01594 | .09395 | 219.29 |
| Stddev | .00004 | .00020  | .01906  | .00140 | .00025 | .00110 | 2.01   |
| %RSD   | 1.5479 | 2.9637  | 6.6292  | .57343 | 1.5692 | 1.1671 | .91742 |

|    |        |         |         |        |        |        |        |
|----|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00279 | -.00646 | -.27400 | .24559 | .01576 | .09473 | 217.86 |
| #2 | .00273 | -.00674 | -.30095 | .24360 | .01611 | .09318 | 220.71 |

|        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .20094 | 1.6948 | .03874 | -.00644 | -.24388 | .41720 | .05534 |
| Stddev | .00008 | .0408  | .00002 | .00000  | .00743  | .00133 | .00055 |
| %RSD   | .03960 | 2.4093 | .05074 | .06455  | 3.0449  | .31900 | .98942 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .20088 | 1.6659 | .03873 | -.00644 | -.23863 | .41814 | .05496 |
| #2 | .20100 | 1.7237 | .03875 | -.00644 | -.24913 | .41625 | .05573 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.2501 | .00709 | .00124 | 1.6010 | 1.8250 | .01030 | .59099 |
| Stddev | .0005  | .00011 | .00561 | .0050  | .0029  | .00097 | .00022 |
| %RSD   | .02113 | 1.5740 | 453.74 | .31130 | .15993 | 9.4514 | .03714 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 2.2504 | .00701 | -.00273 | 1.5975 | 1.8229 | .01098 | .59115 |
| #2 | 2.2497 | .00717 | .00520  | 1.6045 | 1.8270 | .00961 | .59084 |

Sample Name: J6275-01DUP      Acquired: 12/11/2018 20:23:31      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BF-01-120418 Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .05997 | 1.310  | -.23332 | .35873 | F<.00000 |
| Stddev | .00049 | .005   | .00219  | .05943 | .22171   |
| %RSD   | .82061 | .3531  | .93862  | 16.567 | .56008   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .05962 | 1.313 | -.23177 | .40076 | -39.743 |
| #2 | .06031 | 1.307 | -.23487 | .31671 | -39.429 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3835.3 | 51025. | 2867.4 | 97.138 | 3592.3 |
| Stddev    | 10.3   | 327.   | 12.7   | .712   | 4.7    |
| %RSD      | .26912 | .64110 | .44328 | .73280 | .12967 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3828.0 | 50794. | 2858.4 | 97.641 | 3589.0 |
| #2 | 3842.6 | 51256. | 2876.4 | 96.635 | 3595.6 |

Sample Name: J6275-01LX5      Acquired: 12/11/2018 20:27:34      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01141 | -.00156 | .01894 | -.00331 | .00173 | 41.590 | .04228 | .00057 |
| Stddev | .00025 | .00019  | .00043 | .00275  | .00061 | .091   | .00072 | .00004 |
| %RSD   | 2.2129 | 11.957  | 2.2762 | 82.927  | 35.080 | .21826 | 1.6951 | 7.4883 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .01124 | -.00143 | .01863 | -.00526 | .00130 | 41.654 | .04278 | .00054 |
| #2 | .01159 | -.00169 | .01924 | -.00137 | .00216 | 41.525 | .04177 | .00060 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00169 | -.05369 | .05503 | .00317 | .02301 | 45.981 | .04606 | .38526 |
| Stddev | .00000  | .00326  | .00063 | .00035 | .00053 | 1.288  | .00012 | .01442 |
| %RSD   | .02833  | 6.0753  | 1.1374 | 10.908 | 2.3007 | 2.8003 | .25950 | 3.7430 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00169 | -.05600 | .05458 | .00341 | .02264 | 46.892 | .04614 | .37506 |
| #2 | -.00169 | -.05138 | .05547 | .00293 | .02339 | 45.071 | .04597 | .39545 |

|        |        |         |         |        |        |        |        |         |
|--------|--------|---------|---------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00751 | -.00185 | -.26166 | .09276 | .01188 | .41843 | .00119 | -.01539 |
| Stddev | .00007 | .00075  | .00913  | .00020 | .00038 | .00264 | .00000 | .00858  |
| %RSD   | .91877 | 40.593  | 3.4888  | .21060 | 3.1888 | .63208 | .07427 | 55.761  |

|    |        |         |         |        |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|--------|---------|
| #1 | .00756 | -.00132 | -.26812 | .09263 | .01215 | .42030 | .00119 | -.00932 |
| #2 | .00747 | -.00238 | -.25521 | .09290 | .01161 | .41656 | .00119 | -.02145 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .32564 | .42129 | .00149 | .13385 | .01149 | .2659  | -.04878 | 2.6655 |
| Stddev | .00366 | .00191 | .00041 | .00016 | .00126 | .0005  | .00129  | .2534  |
| %RSD   | 1.1231 | .45362 | 27.262 | .11685 | 11.002 | .1793  | 2.6378  | 9.5054 |

|    |        |        |        |        |        |       |         |        |
|----|--------|--------|--------|--------|--------|-------|---------|--------|
| #1 | .32305 | .42264 | .00120 | .13396 | .01238 | .2656 | -.04969 | 2.8447 |
| #2 | .32822 | .41994 | .00178 | .13374 | .01059 | .2663 | -.04787 | 2.4864 |

Sample Name: J6275-01LX5      Acquired: 12/11/2018 20:27:34      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.0574  
Stddev      .5394  
%RSD      17.642

#1      3.4388  
#2      2.6760

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3582.2 | 47824. | 2630.7 | 97.022 | 3759.0 |
| Stddev    | 7.3    | 186.   | 28.7   | 2.693  | 9.7    |
| %RSD      | .20472 | .38879 | 1.0907 | 2.7753 | .25749 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3577.0 | 47693. | 2610.4 | 95.118 | 3752.2 |
| #2 | 3587.4 | 47955. | 2651.0 | 98.926 | 3765.9 |

Sample Name: J6275-01MS      Acquired: 12/11/2018 20:31:37      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BF-01-120418      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .73297 | 1.9921 | 1.0685 | 1.6736 | .13299 | 248.50 | .37120 |
| Stddev | .00222 | .0008  | .0010  | .0022  | .00079 | 1.60   | .00233 |
| %RSD   | .30309 | .04025 | .09496 | .12897 | .59679 | .64538 | .62673 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73140 | 1.9915 | 1.0692 | 1.6751 | .13355 | 247.36 | .36955 |
| #2 | .73454 | 1.9926 | 1.0678 | 1.6721 | .13243 | 249.63 | .37284 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18752 | .19176 | .65806 | .64702 | .22140 | .37955 | 207.07 |
| Stddev | .00019 | .00007 | .00504 | .00232 | .00030 | .00081 | 1.46   |
| %RSD   | .10081 | .03756 | .76615 | .35878 | .13745 | .21339 | .70554 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18739 | .19171 | .65450 | .64538 | .22162 | .37898 | 206.04 |
| #2 | .18765 | .19181 | .66163 | .64866 | .22119 | .38012 | 208.10 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .37488 | 3.7406 | .56344 | .06107 | 2.5852 | .68844 | .26633 |
| Stddev | .00094 | .0092  | .00144 | .00071 | .0142  | .00181 | .00280 |
| %RSD   | .25072 | .24514 | .25513 | 1.1547 | .54801 | .26298 | 1.0495 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .37422 | 3.7471 | .56243 | .06156 | 2.5752 | .68716 | .26435 |
| #2 | .37555 | 3.7341 | .56446 | .06057 | 2.5952 | .68972 | .26830 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.154 | .32873 | .13859 | 1.5312 | 2.2433 | .57219 | .62498 |
| Stddev | .110   | .00091 | .01158 | .0032  | .0069  | .00083 | .00694 |
| %RSD   | .98852 | .27765 | 8.3543 | .20806 | .30828 | .14439 | 1.1107 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.076 | .32808 | .14678 | 1.5334 | 2.2384 | .57161 | .62007 |
| #2 | 11.232 | .32937 | .13041 | 1.5289 | 2.2482 | .57278 | .62989 |

Sample Name: J6275-01MS      Acquired: 12/11/2018 20:31:37      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: BF-01-120418      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .26371 | 6.861  | -.03509 | .45429 | F<.00000 |
| Stddev | .00129 | .005   | .00075  | .32734 | .51466   |
| %RSD   | .48881 | .0751  | 2.1395  | 72.054 | 1.3869   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .26280 | 6.864 | -.03563 | .22283 | -36.745 |
| #2 | .26462 | 6.857 | -.03456 | .68576 | -37.473 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3736.6 | 50681. | 2814.2 | 97.131 | 3500.2 |
| Stddev    | 17.1   | 186.   | 26.5   | .349   | 23.3   |
| %RSD      | .45833 | .36698 | .94156 | .35890 | .66544 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3724.5 | 50813. | 2832.9 | 97.377 | 3483.7 |
| #2 | 3748.7 | 50550. | 2795.4 | 96.884 | 3516.7 |

Sample Name: J6275-01MSD      Acquired: 12/11/2018 20:35:34      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BF-01-120418      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .72764 | 1.9865 | 1.0674 | 1.6640 | .13563 | 255.04 | .37150 |
| Stddev | .00043 | .0014  | .0044  | .0050  | .00387 | .11    | .00070 |
| %RSD   | .05883 | .06775 | .41499 | .29989 | 2.8504 | .04269 | .18962 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72734 | 1.9874 | 1.0642 | 1.6676 | .13289 | 254.97 | .37100 |
| #2 | .72794 | 1.9855 | 1.0705 | 1.6605 | .13836 | 255.12 | .37200 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19117 | .19075 | .64685 | .66304 | .22099 | .37601 | 214.11 |
| Stddev | .00086 | .00026 | .01317 | .00146 | .00070 | .00035 | 4.90   |
| %RSD   | .45189 | .13859 | 2.0365 | .21973 | .31472 | .09297 | 2.2901 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19055 | .19056 | .63754 | .66407 | .22050 | .37626 | 217.58 |
| #2 | .19178 | .19094 | .65616 | .66201 | .22148 | .37577 | 210.64 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .38132 | 3.7871 | .56328 | .06339 | 2.6099 | .70215 | .27299 |
| Stddev | .00029 | .0179  | .00163 | .00068 | .0222  | .00207 | .00445 |
| %RSD   | .07631 | .47235 | .28949 | 1.0793 | .84851 | .29421 | 1.6301 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .38111 | 3.7744 | .56213 | .06388 | 2.5942 | .70069 | .27614 |
| #2 | .38153 | 3.7997 | .56443 | .06291 | 2.6255 | .70361 | .26985 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.210 | .32709 | .15763 | 1.5364 | 2.2405 | .57280 | .62617 |
| Stddev | .045   | .00005 | .01532 | .0121  | .0264  | .00100 | .00931 |
| %RSD   | .40512 | .01558 | 9.7169 | .78893 | 1.1782 | .17388 | 1.4868 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.178 | .32705 | .16846 | 1.5450 | 2.2219 | .57351 | .61959 |
| #2 | 11.242 | .32713 | .14680 | 1.5279 | 2.2592 | .57210 | .63275 |

Sample Name: J6275-01MSD      Acquired: 12/11/2018 20:35:34      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BF-01-120418 Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .26546 | 6.852  | -.04177 | .88473 | F<.00000 |
| Stddev | .00219 | .012   | .00742  | .32444 | .26557   |
| %RSD   | .82616 | .1729  | 17.770  | 36.671 | .70632   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .26391 | 6.860 | -.04701 | 1.1141 | -37.412 |
| #2 | .26702 | 6.843 | -.03652 | .65532 | -37.787 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3763.8 | 49826. | 2837.6 | 94.755 | 3508.3 |
| Stddev    | 5.2    | 58.    | 17.2   | 1.499  | 1.1    |
| %RSD      | .13809 | .11700 | .60777 | 1.5814 | .03026 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3760.2 | 49785. | 2849.8 | 93.696 | 3509.0 |
| #2 | 3767.5 | 49867. | 2825.4 | 95.815 | 3507.5 |

Sample Name: J6275-01A      Acquired: 12/11/2018 20:39:30      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7776      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .72708 | 1.9774 | 1.0585 | 1.6665 | .13395 | 251.96 | .36461 |
| Stddev | .00078 | .0026  | .0043  | .0014  | .00422 | .28    | .00320 |
| %RSD   | .10676 | .13293 | .41138 | .08440 | 3.1487 | .11139 | .87665 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72653 | 1.9793 | 1.0616 | 1.6675 | .13096 | 251.76 | .36687 |
| #2 | .72762 | 1.9755 | 1.0555 | 1.6655 | .13693 | 252.15 | .36235 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19057 | .19047 | .64625 | .65551 | .21965 | .37735 | 207.66 |
| Stddev | .00012 | .00065 | .04943 | .00179 | .00059 | .00161 | 4.32   |
| %RSD   | .06216 | .34035 | 7.6483 | .27374 | .27066 | .42724 | 2.0822 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19065 | .19093 | .68120 | .65678 | .22007 | .37849 | 204.60 |
| #2 | .19048 | .19001 | .61130 | .65424 | .21923 | .37621 | 210.72 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .37994 | 3.7464 | .56061 | .06191 | 2.5595 | .69917 | .26415 |
| Stddev | .00005 | .0297  | .00025 | .00074 | .0177  | .00111 | .00378 |
| %RSD   | .01206 | .79400 | .04377 | 1.2008 | .68989 | .15830 | 1.4297 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .37991 | 3.7253 | .56078 | .06138 | 2.5720 | .69838 | .26148 |
| #2 | .37997 | 3.7674 | .56043 | .06243 | 2.5470 | .69995 | .26682 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.108 | .32622 | .15810 | 1.5278 | 2.1905 | .57000 | .61879 |
| Stddev | .068   | .00126 | .00748 | .0021  | .0106  | .00152 | .00522 |
| %RSD   | .61396 | .38656 | 4.7340 | .14013 | .48310 | .26706 | .84306 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.157 | .32711 | .15281 | 1.5293 | 2.1980 | .57107 | .62248 |
| #2 | 11.060 | .32532 | .16339 | 1.5263 | 2.1831 | .56892 | .61511 |

Sample Name: J6275-01A      Acquired: 12/11/2018 20:39:30      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA7776      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .26124 | 6.831  | -.03772 | .65421 | F<.00000 |
| Stddev | .00250 | .002   | .00554  | .02042 | .10282   |
| %RSD   | .95662 | .0259  | 14.684  | 3.1216 | .28372   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .26300 | 6.829 | -.03380 | .63977 | -36.311 |
| #2 | .25947 | 6.832 | -.04164 | .66865 | -36.165 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3762.5 | 50162. | 2870.4 | 97.536 | 3518.4 |
| Stddev    | 11.5   | 18.    | 23.1   | 1.558  | 1.7    |
| %RSD      | .30460 | .03524 | .80316 | 1.5976 | .04971 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3754.4 | 50175. | 2854.1 | 98.637 | 3517.1 |
| #2 | 3770.6 | 50150. | 2886.7 | 96.434 | 3519.6 |

Sample Name: J6275-02      Acquired: 12/11/2018 20:43:26      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BF-02-120418      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04068 | -.00169 | .09301 | -.00205 | .00474 | 176.52 | .22726 |
| Stddev | .00054 | .00029  | .00057 | .00190  | .00026 | .16    | .00062 |
| %RSD   | 1.3224 | 16.941  | .61345 | 92.809  | 5.5237 | .08929 | .27213 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04030 | -.00149 | .09261 | -.00071 | .00492 | 176.63 | .22683 |
| #2 | .04106 | -.00189 | .09342 | -.00340 | .00455 | 176.40 | .22770 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00278 | -.00644 | .01565 | .23751 | .01558 | .08394 | 195.48 |
| Stddev | .00014 | .00051  | .03529 | .00091 | .00024 | .00142 | 3.66   |
| %RSD   | 5.0830 | 7.9231  | 225.46 | .38146 | 1.5363 | 1.6912 | 1.8739 |

|    |        |         |         |        |        |        |        |
|----|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00268 | -.00680 | -.00930 | .23687 | .01541 | .08294 | 198.07 |
| #2 | .00288 | -.00608 | .04061  | .23815 | .01575 | .08494 | 192.89 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .21821 | 2.1037 | .04564 | -.00661 | .74763 | .40944 | .06569 |
| Stddev | .00048 | .0226  | .00066 | .00067  | .09485 | .00070 | .00147 |
| %RSD   | .22171 | 1.0742 | 1.4570 | 10.163  | 12.687 | .17124 | 2.2350 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .21787 | 2.1197 | .04517 | -.00613 | .68056 | .40994 | .06673 |
| #2 | .21856 | 2.0877 | .04611 | -.00708 | .81470 | .40895 | .06465 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4636 | .00596 | .00347 | 1.6522 | 1.6223 | .00904 | .49614 |
| Stddev | .0132  | .00017 | .00909 | .0160  | .0077  | .00159 | .00321 |
| %RSD   | .53435 | 2.7785 | 261.86 | .96791 | .47425 | 17.586 | .64683 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 2.4729 | .00584 | .00990  | 1.6635 | 1.6278 | .01016 | .49387 |
| #2 | 2.4543 | .00607 | -.00296 | 1.6409 | 1.6169 | .00792 | .49841 |

Sample Name: J6275-02      Acquired: 12/11/2018 20:43:26      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: BF-02-120418      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .05666 | 1.171  | -.20282 | .30821 | F<.00000 |
| Stddev | .00049 | .005   | .00419  | .28019 | 1.0173   |
| %RSD   | .85835 | .4320  | 2.0638  | 90.910 | 3.6760   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .05701 | 1.168 | -.20578 | .50634 | -28.394 |
| #2 | .05632 | 1.175 | -.19986 | .11008 | -26.955 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3801.4 | 50882. | 2910.8 | 96.521 | 3588.1 |
| Stddev    | 1.2    | 174.   | .5     | 2.190  | .4     |
| %RSD      | .03263 | .34240 | .01567 | 2.2691 | .01162 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3802.2 | 50759. | 2910.4 | 94.973 | 3588.4 |
| #2 | 3800.5 | 51005. | 2911.1 | 98.070 | 3587.8 |

Sample Name: CCV10      Acquired: 12/11/2018 20:47:31      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8425 | 4.9194 | 4.7495 | 4.8921 | 4.9092 | 9.8394 | 9.3078 | .24346   |
| Stddev | .0335  | .0428  | .0440  | .0489  | .0435  | .0623  | .0553  | .00057   |
| %RSD   | .69214 | .86955 | .92737 | 1.0004 | .88698 | .63325 | .59437 | .23308   |
| #1     | 4.8662 | 4.9496 | 4.7806 | 4.9267 | 4.9400 | 9.7954 | 9.3469 | .24386   |
| #2     | 4.8188 | 4.8891 | 4.7183 | 4.8575 | 4.8784 | 9.8835 | 9.2686 | .24306   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3943 | 23.624 | .99481 | 2.3946 | 1.2527 | 5.0306 | 2.4676 | 23.185   |
| Stddev | .0194  | .141   | .00364 | .0219  | .0107  | .0123  | .0061  | .083     |
| %RSD   | .80863 | .59568 | .36569 | .91613 | .85223 | .24513 | .24736 | .35917   |
| #1     | 2.4080 | 23.524 | .99224 | 2.4101 | 1.2603 | 5.0218 | 2.4719 | 23.244   |
| #2     | 2.3806 | 23.723 | .99738 | 2.3791 | 1.2452 | 5.0393 | 2.4632 | 23.126   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4364 | 1.2296 | 23.392 | 2.4966 | 2.4468 | 23.054 | 4.9078 | 4.6919   |
| Stddev | .0183  | .0009  | .100   | .0017  | .0172  | .061   | .0439  | .0180    |
| %RSD   | .75027 | .07628 | .42546 | .06667 | .70206 | .26585 | .89364 | .38408   |
| #1     | 2.4493 | 1.2303 | 23.463 | 2.4978 | 2.4589 | 23.098 | 4.9388 | 4.6791   |
| #2     | 2.4235 | 1.2290 | 23.322 | 2.4954 | 2.4346 | 23.011 | 4.8768 | 4.7046   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.6682 | 4.5546 | 4.7567 | 4.6438 | 4.6725 | 4.779  | 4.6646 | F 3.5984 |
| Stddev | .0392  | .0000  | .0251  | .0005  | .0173  | .033   | .0098  | .0110    |
| %RSD   | .83902 | .00011 | .52674 | .01164 | .37058 | .6875  | .21019 | .30639   |
| #1     | 4.6959 | 4.5546 | 4.7744 | 4.6442 | 4.6847 | 4.802  | 4.6715 | 3.5906   |
| #2     | 4.6405 | 4.5546 | 4.7390 | 4.6434 | 4.6602 | 4.756  | 4.6576 | 3.6062   |

Sample Name: CCV10      Acquired: 12/11/2018 20:47:31      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.4142  
Stddev      .2251  
%RSD      9.3254

#1      2.5734  
#2      2.2550

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3368.0 | 45366. | 2596.4 | 94.287 | 3471.7 |
| Stddev    | 30.2   | 2.     | 2.7    | .677   | 31.4   |
| %RSD      | .89626 | .00503 | .10506 | .71802 | .90443 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3346.6 | 45368. | 2594.5 | 93.808 | 3449.5 |
| #2 | 3389.3 | 45365. | 2598.4 | 94.766 | 3493.9 |

Sample Name: CCB10      Acquired: 12/11/2018 20:51:18      Type: Unk  
Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OILY-SOIL      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00092 | -.00077 | .00055 | -.00290 | .00098 | .00018 | .00016 |
| Stddev | .00059  | .00088  | .00052 | .00006  | .00049 | .01084 | .00043 |
| %RSD   | 63.915  | 113.81  | 95.813 | 1.9061  | 50.178 | 6189.6 | 271.13 |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00134 | -.00139 | .00092 | -.00286 | .00133 | -.00749 | -.00015 |
| #2 | -.00051 | -.00015 | .00018 | -.00294 | .00063 | .00784  | .00047  |

|        |        |        |        |         |         |        |         |
|--------|--------|--------|--------|---------|---------|--------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00002 | .00001 | .00986 | -.00031 | -.00024 | .00018 | -.00953 |
| Stddev | .00002 | .00007 | .01226 | .00017  | .00006  | .00055 | .00120  |
| %RSD   | 123.66 | 1047.7 | 124.36 | 54.871  | 22.950  | 306.53 | 12.553  |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00004 | -.00004 | .00119 | -.00043 | -.00020 | -.00021 | -.01037 |
| #2 | .00000 | .00006  | .01853 | -.00019 | -.00028 | .00057  | -.00868 |

|        |         |        |        |        |         |        |         |
|--------|---------|--------|--------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00007 | .00992 | .00000 | .00016 | -.26463 | .00026 | -.00003 |
| Stddev | .00004  | .02549 | .00014 | .00032 | .00108  | .00001 | .00001  |
| %RSD   | 52.963  | 257.03 | 3413.2 | 201.56 | .40748  | 3.5343 | 41.931  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00004 | .02794  | -.00010 | .00039  | -.26387 | .00026 | -.00003 |
| #2 | -.00010 | -.00811 | .00010  | -.00007 | -.26540 | .00027 | -.00002 |

|        |         |        |         |         |         |         |        |
|--------|---------|--------|---------|---------|---------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.09505 | .00059 | -.00727 | -.00213 | -.00191 | -.00038 | .00142 |
| Stddev | .02511  | .00012 | .00903  | .00030  | .00018  | .00049  | .00172 |
| %RSD   | 26.423  | 19.737 | 124.30  | 14.141  | 9.4701  | 130.93  | 121.05 |

|    |         |        |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|--------|
| #1 | -.11280 | .00067 | -.00088 | -.00192 | -.00178 | -.00072 | .00021 |
| #2 | -.07729 | .00051 | -.01365 | -.00235 | -.00203 | -.00003 | .00264 |

Sample Name: CCB10      Acquired: 12/11/2018 20:51:18      Type: Unk  
 Method: P4-ICP2(v2642)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OILY-SOIL      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00210 | .0014  | .00005 | F 2.3770 | F<.00000 |
| Stddev | .00051  | .0006  | .00001 | .1752    | .04959   |
| %RSD   | 24.479  | 40.81  | 18.406 | 7.3692   | 120.02   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.00246 | .0017 | .00006 | 2.2531 | -.07639 |
| #2 | -.00174 | .0010 | .00004 | 2.5008 | -.00625 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3504.2 | 47410. | 2627.5 | 100.40 | 3844.7 |
| Stddev    | 28.7   | 109.   | 11.4   | .37    | 4.0    |
| %RSD      | .81770 | .22909 | .43218 | .36977 | .10424 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3524.4 | 47487. | 2619.4 | 100.13 | 3847.5 |
| #2 | 3483.9 | 47333. | 2635.5 | 100.66 | 3841.8 |