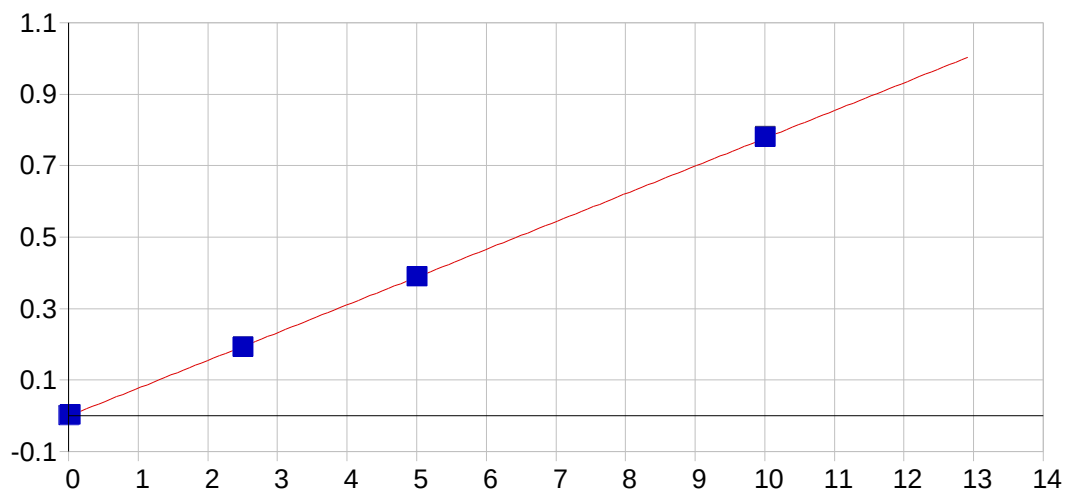


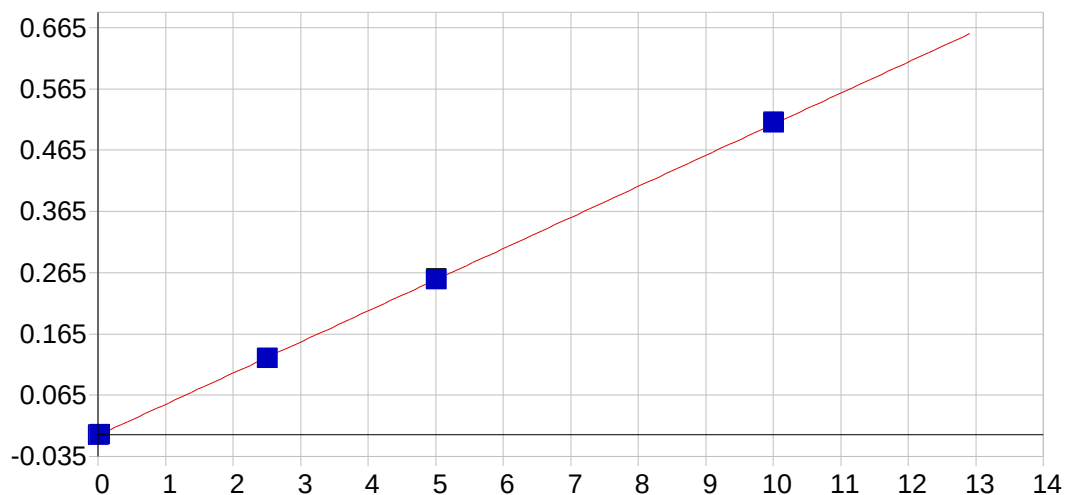


As 189.042 {478}

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000426 Re-Slope: 1.000000  
 A1 (Gain): 0.077704 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999953 Status: OK.  
 Std Error of Est: 0.000018  
 Predicted MDL: 0.003684  
 Predicted MQL: 0.012280

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00043 | .000    | 1        |
| S1        | .02000       | .02460      | .005       | 23.0    | .00148  | .000    | 1        |
| S3        | 2.5000       | 2.4645      | -.036      | -1.42   | .19106  | .001    | 1        |
| S4        | 5.0000       | 5.0041      | .004       | .081    | .38839  | .001    | 1        |
| S5        | 10.000       | 10.027      | .027       | .268    | .77865  | .003    | 1        |



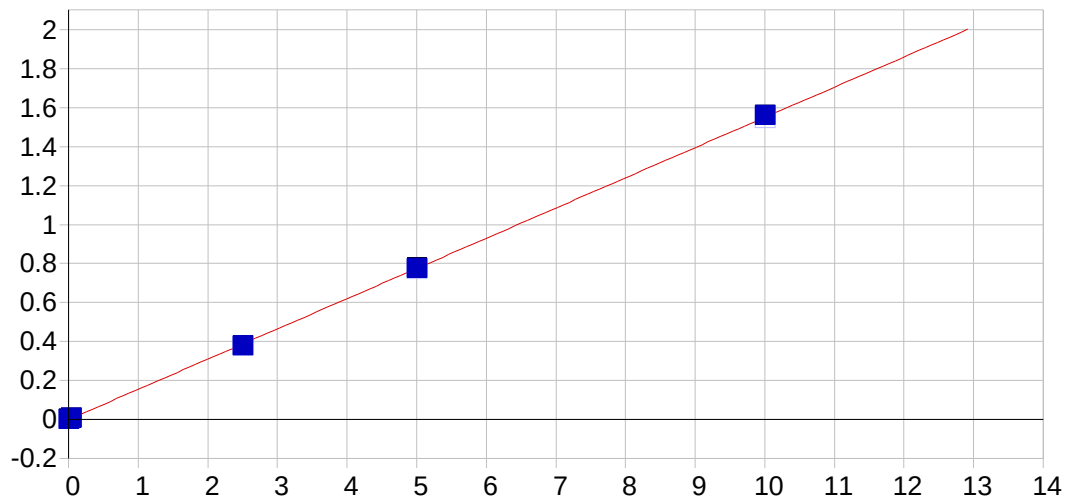
As 189.042 {479}

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000611 Re-Slope: 1.000000

A1 (Gain): 0.050783 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999966 Status: OK.  
 Std Error of Est: 0.000010  
 Predicted MDL: 0.003650  
 Predicted MQL: 0.012168

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00061 | .000    | 1        |
| S1        | .02000       | .02313      | .003       | 15.7    | .00056  | .000    | 1        |
| S3        | 2.5000       | 2.4609      | -.039      | -1.57   | .12436  | .001    | 1        |
| S4        | 5.0000       | 5.0052      | .005       | .103    | .25357  | .000    | 1        |
| S5        | 10.000       | 10.031      | .031       | .308    | .50880  | .001    | 1        |

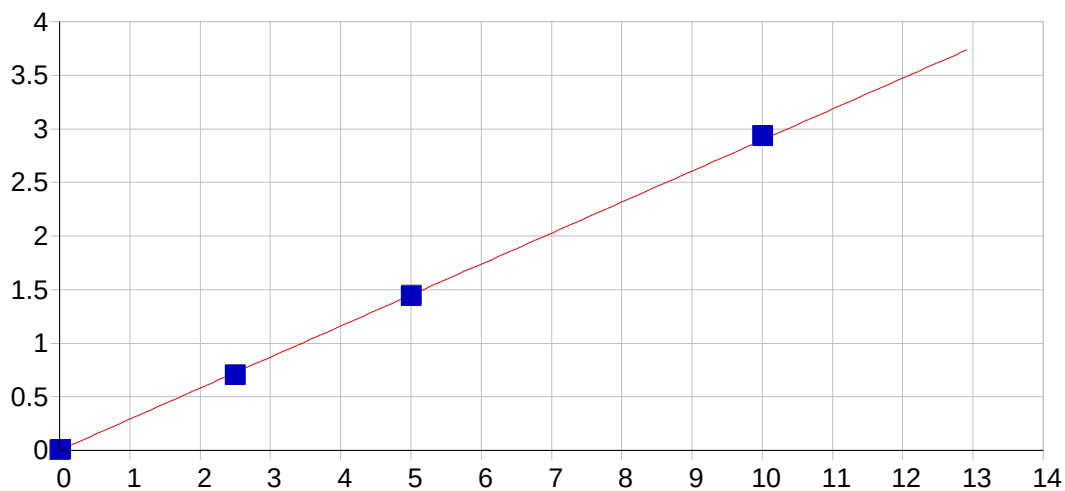


TI 190.856 {477}

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000470 Re-Slope: 1.000000  
 A1 (Gain): 0.155042 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999939 Status: OK.  
 Std Error of Est: 0.000058  
 Predicted MDL: 0.001606  
 Predicted MQL: 0.005353

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00047 | .000    | 1        |
| S1        | .04000       | .04166      | .002       | 4.14    | .00583  | .000    | 1        |
| S3        | 2.5000       | 2.4349      | -.065      | -2.61   | .37306  | .001    | 1        |
| S4        | 5.0000       | 5.0075      | .008       | .150    | .76796  | .002    | 1        |
| S5        | 10.000       | 10.056      | .056       | .560    | 1.5427  | .001    | 1        |

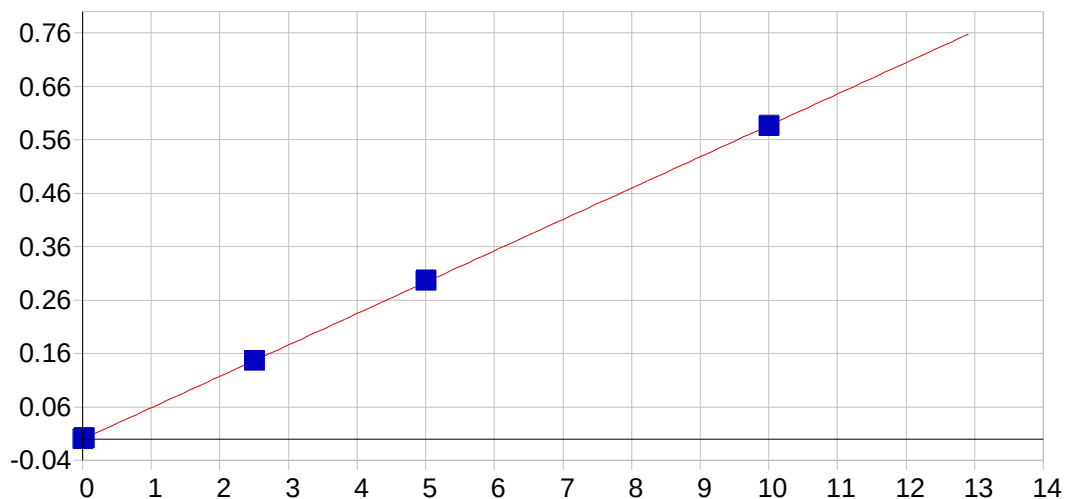


Pb 220.353 {453}

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002843 Re-Slope: 1.000000  
 A1 (Gain): 0.289143 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999867 Status: OK.  
 Std Error of Est: 0.000088  
 Predicted MDL: 0.001400  
 Predicted MQL: 0.004665

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00284 | .000    | 1        |
| S1        | .01200       | .01171      | -.000      | -2.38   | .00617 | .000    | 1        |
| S3        | 2.5000       | 2.4144      | -.086      | -3.42   | .69996 | .000    | 1        |
| S4        | 5.0000       | 4.9651      | -.035      | -.698   | 1.4365 | .005    | 1        |
| S5        | 10.000       | 10.121      | .121       | 1.21    | 2.9253 | .005    | 1        |



Se 196.090 {472}

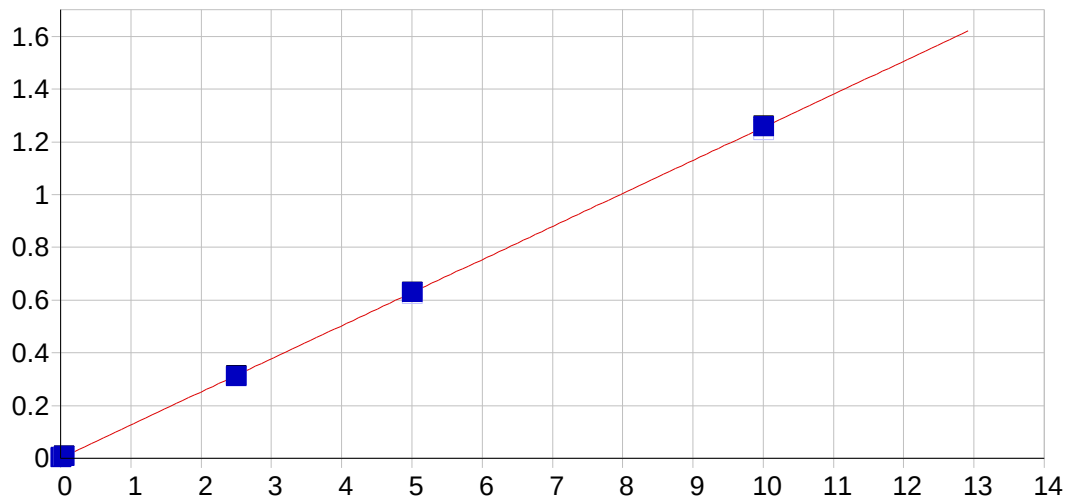
Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000304 Re-Slope: 1.000000  
 A1 (Gain): 0.058742 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999968  
 Std Error of Est: 0.000011  
 Predicted MDL: 0.004312  
 Predicted MQL: 0.014375

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00030 | .000    | 1        |
| S1        | .02000       | .02386      | .004       | 19.3    | .00110  | .000    | 1        |
| S3        | 2.5000       | 2.4840      | -.016      | -.638   | .14558  | .000    | 1        |
| S4        | 5.0000       | 5.0329      | .033       | .659    | .29528  | .001    | 1        |
| S5        | 10.000       | 9.9792      | -.021      | -.208   | .58576  | .000    | 1        |



Sb 206.833 {463}

Date of Fit: 8/14/2019 13:54:11

Type of Fit: Linear

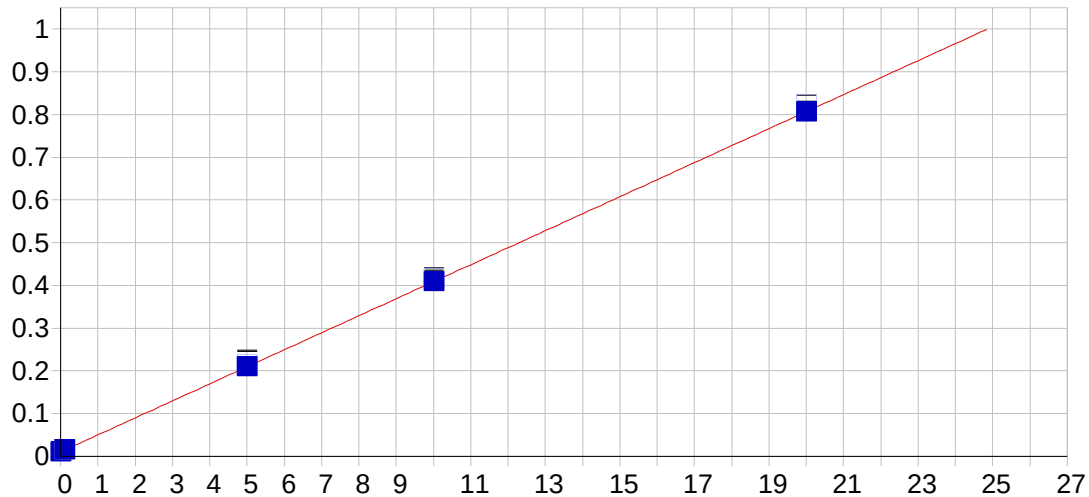
Weighting: 1/Conc

A0 (Offset): 0.001225  
 A1 (Gain): 0.125380  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999979  
 Std Error of Est: 0.000030  
 Predicted MDL: 0.002536  
 Predicted MQL: 0.008452

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    | .00122 | .000    | 1        |
| S1        | .05000       | .05438      | .004       | 8.77    | .00789 | .000    | 1        |
| S3        | 2.5000       | 2.4731      | -.027      | -1.08   | .30778 | .001    | 1        |
| S4        | 5.0000       | 5.0090      | .009       | .180    | .62220 | .000    | 1        |
| S5        | 10.000       | 10.014      | .014       | .136    | 1.2426 | .002    | 1        |

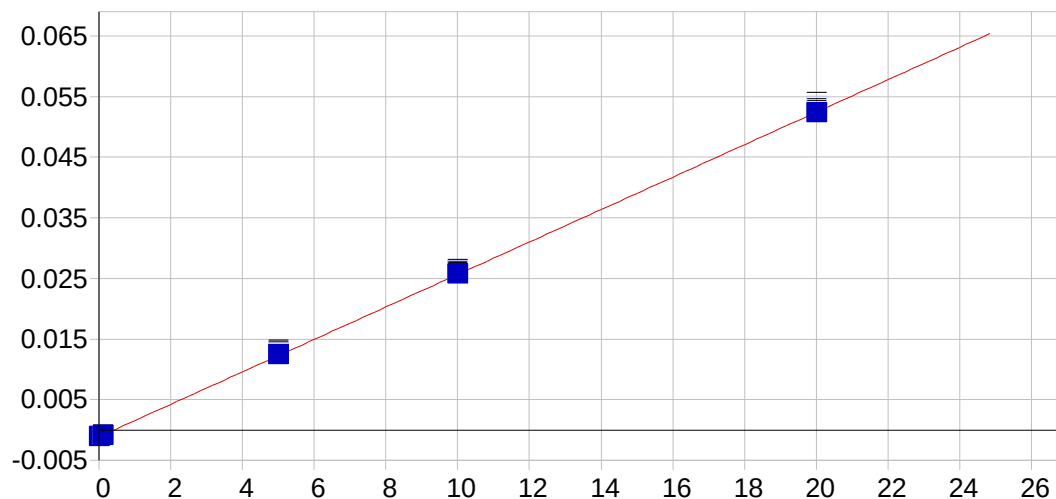


AI 308.215 {109}

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.010525 Re-Slope: 1.000000  
 A1 (Gain): 0.039817 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999985 Status: OK.  
 Std Error of Est: 0.000017  
 Predicted MDL: 0.004215  
 Predicted MQL: 0.014050

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .01053 | .000    | 1        |
| S1        | .10000       | .11005      | .010       | 10.0    | .01518 | .000    | 1        |
| S3        | 5.0000       | 5.0143      | .014       | .286    | .21415 | .011    | 1        |
| S4        | 10.000       | 10.002      | .002       | .021    | .41671 | .002    | 1        |
| S5        | 20.000       | 19.973      | -.027      | -.135   | .82166 | .001    | 1        |



AI 309.271 {109}

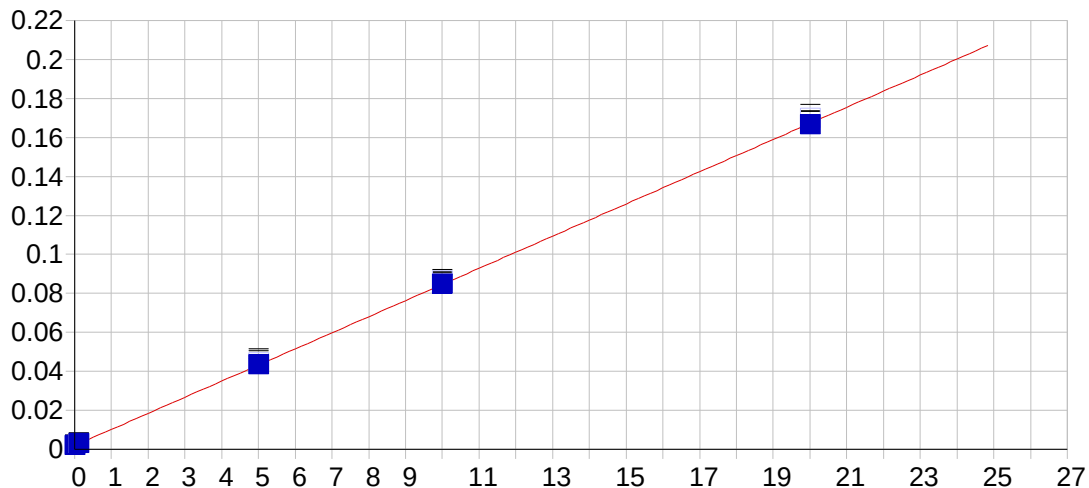
Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001126 Re-Slope: 1.000000  
 A1 (Gain): 0.002677 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999971  
 Std Error of Est: 0.000002  
 Predicted MDL: 0.043213  
 Predicted MQL: 0.144042

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | -.00113 | .000    | 1        |
| S1        | .10000       | .08758      | -.012      | -12.4   | -.00087 | .000    | 1        |
| S3        | 5.0000       | 5.0399      | .040       | .798    | .01263  | .001    | 1        |
| S4        | 10.000       | 10.028      | .028       | .276    | .02625  | .000    | 1        |
| S5        | 20.000       | 19.946      | -.054      | -.272   | .05334  | .001    | 1        |



AI 396.152 { 85}

Date of Fit: 8/14/2019 13:54:11

Type of Fit: Linear

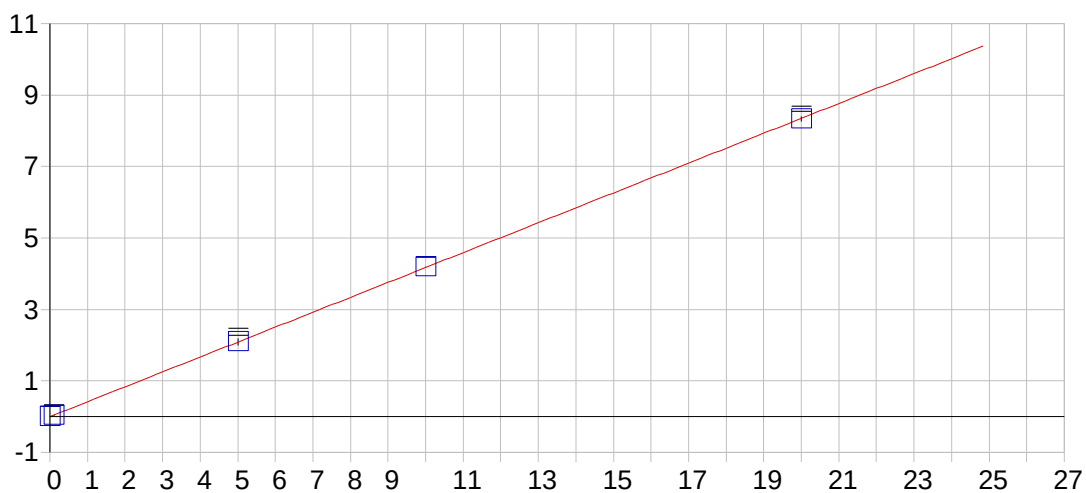
Weighting: 1/Conc

A0 (Offset): 0.001949  
 A1 (Gain): 0.008262  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999905  
 Std Error of Est: 0.000009  
 Predicted MDL: 0.021020  
 Predicted MQL: 0.070066

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00003     | -.000      | .000    | .00195 | .000    | 1        |
| S1        | .10000       | .12545      | .025       | 25.5    | .00304 | .000    | 1        |
| S3        | 5.0000       | 5.0213      | .021       | .427    | .04426 | .002    | 1        |
| S4        | 10.000       | 10.030      | .030       | .303    | .08647 | .001    | 1        |
| S5        | 20.000       | 19.922      | -.078      | -.392   | .16984 | .002    | 1        |

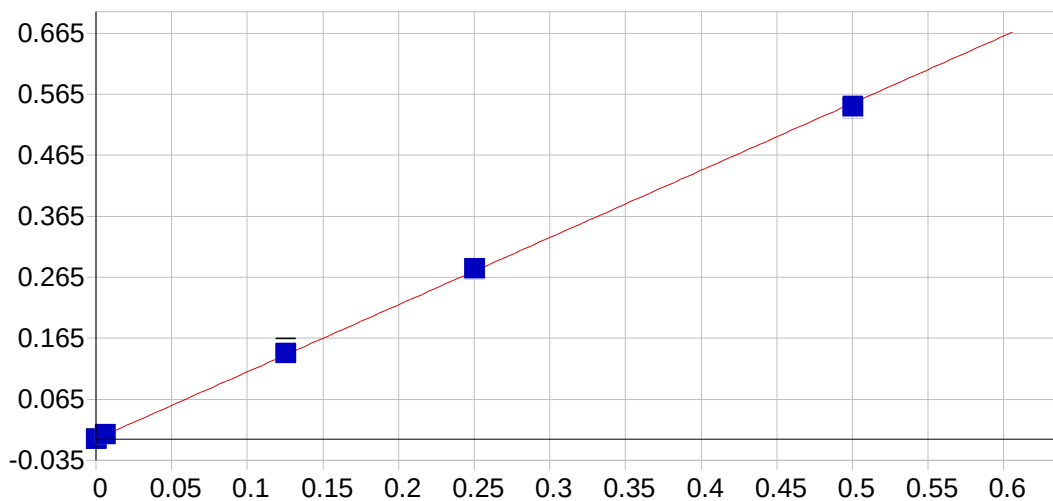


Ba 493.409 { 68}

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000098 Re-Slope: 1.000000  
 A1 (Gain): 0.417399 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999993 Status: OK.  
 Std Error of Est: 0.000116  
 Predicted MDL: 0.000869  
 Predicted MQL: 0.002898

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00010 | .000    | 1        |
| S1        | .10000       | .10499      | .005       | 4.99    | .04373  | .001    | 1        |
| S3        | 5.0000       | 5.0090      | .009       | .180    | 2.0906  | .098    | 1        |
| S5        | 20.000       | 19.955      | -.045      | -.226   | 8.3290  | .066    | 1        |
| S4        | 10.000       | 10.031      | .031       | .313    | 4.1869  | .003    | 1        |



Be 234.861 {144}

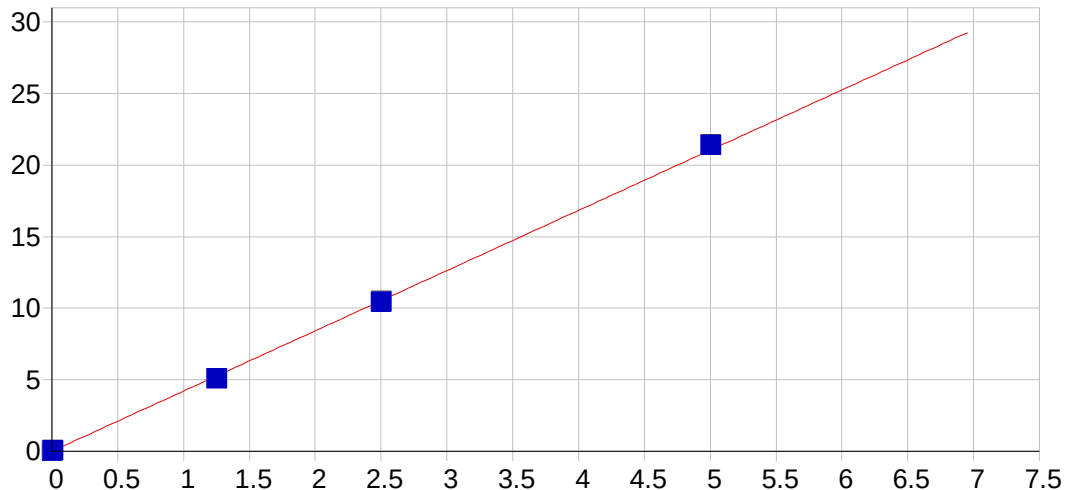
Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000152 Re-Slope: 1.000000  
 A1 (Gain): 1.100773 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999865  
 Std Error of Est: 0.000053  
 Predicted MDL: 0.000099  
 Predicted MQL: 0.000331

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00015 | .000    | 1        |
| S1        | .00600       | .00670      | .001       | 11.7    | .00716  | .000    | 1        |
| S3        | .12500       | .12747      | .002       | 1.97    | .13929  | .008    | 1        |
| S4        | .25000       | .25285      | .003       | 1.14    | .27644  | .000    | 1        |
| S5        | .50000       | .49399      | -.006      | -1.20   | .54015  | .001    | 1        |



Cd 226.502 {449}

Date of Fit: 8/14/2019 13:54:11

Type of Fit: Linear

Weighting: 1/Conc

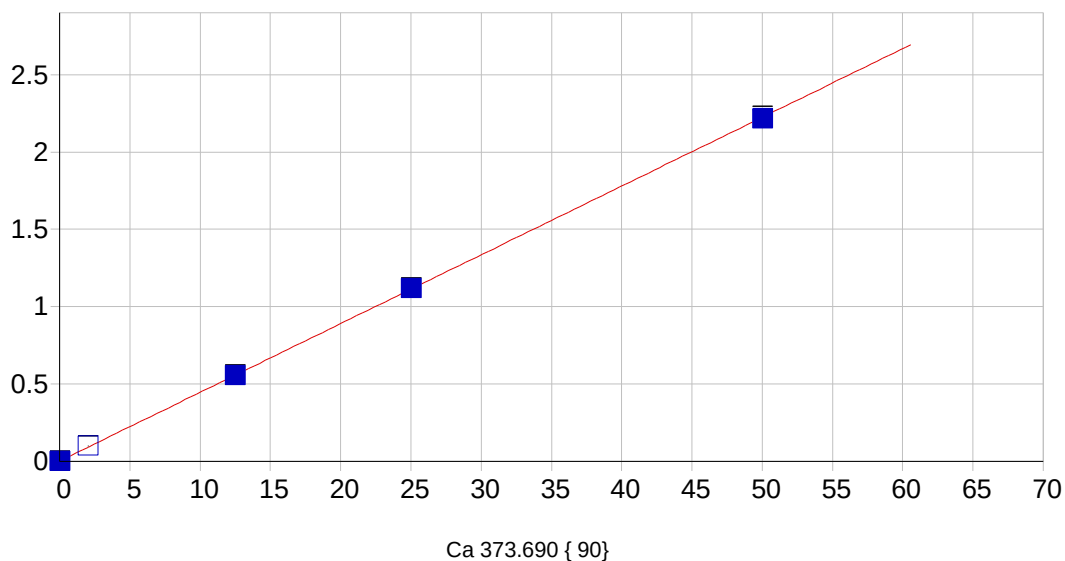
A0 (Offset): 0.002307  
 A1 (Gain): 4.209337  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999796  
 Std Error of Est: 0.000795  
 Predicted MDL: 0.000108  
 Predicted MQL: 0.000360

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    | .00231 | .001    | 1        |
| S1        | .00600       | .00617      | .000       | 2.87    | .02834 | .000    | 1        |
| S3        | 1.2500       | 1.1965      | -.054      | -4.28   | 5.0399 | .005    | 1        |
| S4        | 2.5000       | 2.4791      | -.021      | -.834   | 10.440 | .021    | 1        |
| S5        | 5.0000       | 5.0742      | .074       | 1.48    | 21.366 | .041    | 1        |

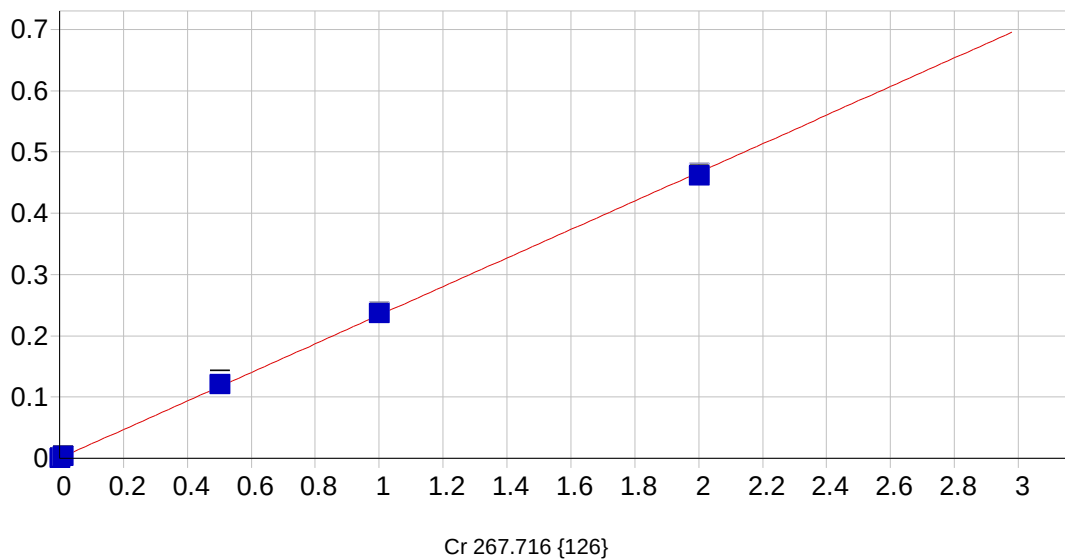




Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002054 Re-Slope: 1.000000  
 A1 (Gain): 0.044436 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999892 Status: OK.  
 Std Error of Est: 0.000356  
 Predicted MDL: 0.027163  
 Predicted MQL: 0.090543

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1862      | .186       | 9.31    | .09920 | .001    | 1        |
| S0        | .00000       | -.00017     | -.000      | .000    | .00205 | .000    | 1        |
| S3        | 12.500       | 12.420      | -.080      | -.641   | .55424 | .003    | 1        |
| S4        | 25.000       | 25.111      | .111       | .442    | 1.1185 | .003    | 1        |
| S5        | 50.000       | 49.783      | -.217      | -.433   | 2.2154 | .014    | 1        |



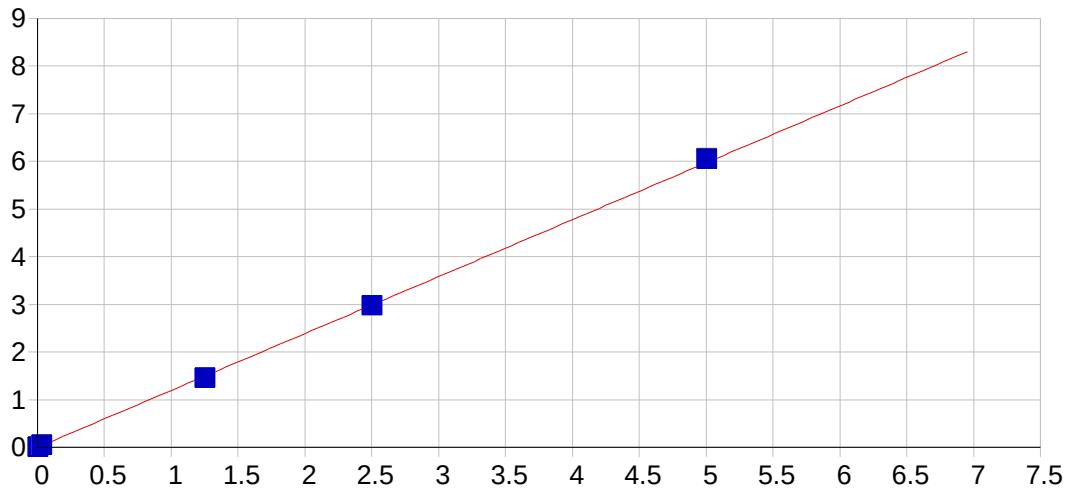
Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000282 Re-Slope: 1.000000  
 A1 (Gain): 0.233274 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999888  
 Std Error of Est: 0.000027  
 Predicted MDL: 0.000639  
 Predicted MQL: 0.002131

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00028 | .000    | 1        |
| S1        | .01000       | .01051      | .001       | 5.09    | .00275 | .000    | 1        |
| S3        | .50000       | .51333      | .013       | 2.67    | .12095 | .007    | 1        |
| S4        | 1.0000       | 1.0107      | .011       | 1.07    | .23789 | .001    | 1        |
| S5        | 2.0000       | 1.9754      | -.025      | -1.23   | .46477 | .001    | 1        |



Co 228.616 {447}

Date of Fit: 8/14/2019 13:54:11

Type of Fit: Linear

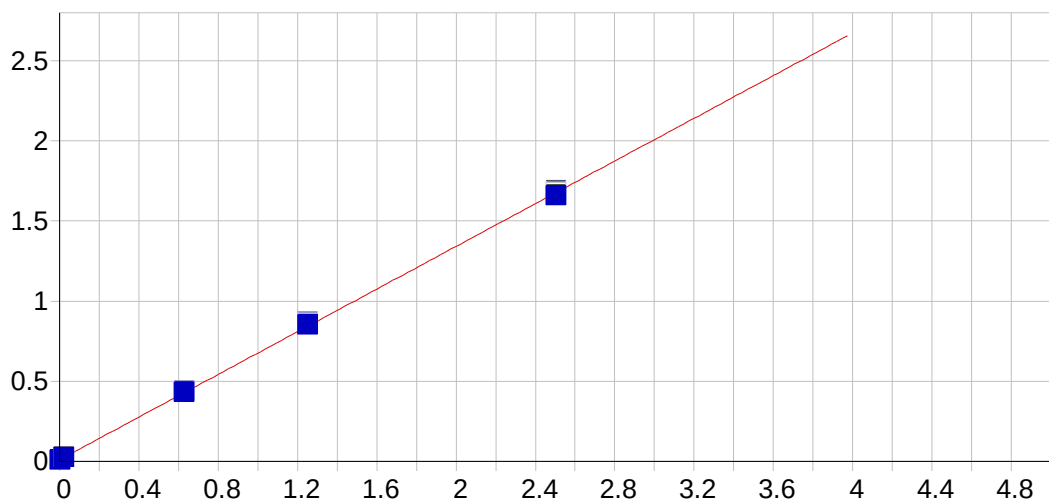
Weighting: 1/Conc

A0 (Offset): 0.000453  
 A1 (Gain): 1.194294  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999886  
 Std Error of Est: 0.000377  
 Predicted MDL: 0.000323  
 Predicted MQL: 0.001077

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00045 | .000    | 1        |
| S1        | .03000       | .03057      | .001       | 1.90    | .03672 | .000    | 1        |
| S3        | 1.2500       | 1.2107      | -.039      | -3.14   | 1.4476 | .001    | 1        |
| S4        | 2.5000       | 2.4826      | -.017      | -.696   | 2.9677 | .007    | 1        |
| S5        | 5.0000       | 5.0561      | .056       | 1.12    | 6.0437 | .013    | 1        |

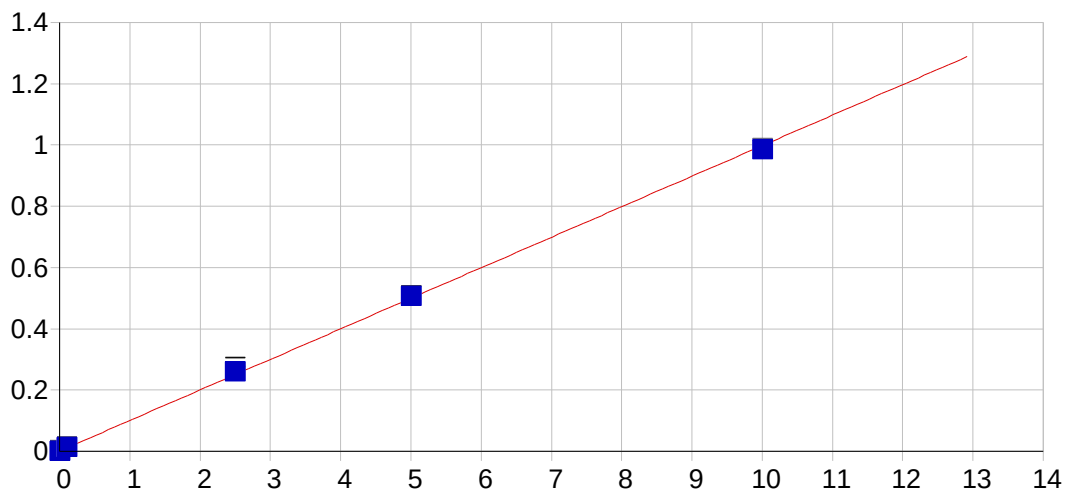


Cu 224.700 {450}

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.009921 Re-Slope: 1.000000  
 A1 (Gain): 0.665993 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999883 Status: OK.  
 Std Error of Est: 0.000125  
 Predicted MDL: 0.000621  
 Predicted MQL: 0.002069

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00992 | .000    | 1        |
| S1        | .02000       | .02328      | .003       | 16.4    | .02563 | .000    | 1        |
| S3        | .62500       | .63206      | .007       | 1.13    | .43760 | .001    | 1        |
| S4        | 1.2500       | 1.2651      | .015       | 1.21    | .86593 | .001    | 1        |
| S5        | 2.5000       | 2.4746      | -.025      | -1.02   | 1.6849 | .004    | 1        |



Fe 240.488 {140}

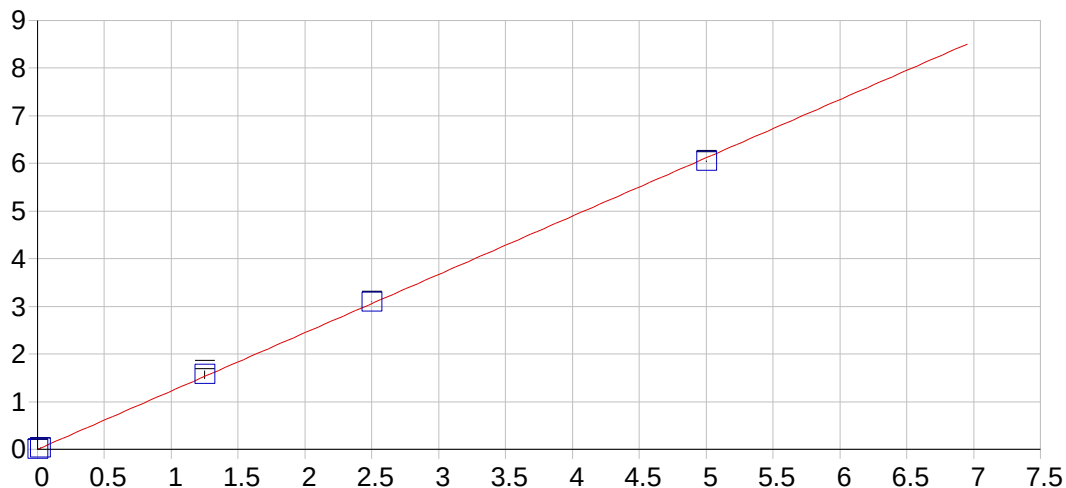
Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001040 Re-Slope: 1.000000  
 A1 (Gain): 0.099689 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999806  
 Std Error of Est: 0.000107  
 Predicted MDL: 0.001183  
 Predicted MQL: 0.003943

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00104 | .000    | 1        |
| S1        | .10000       | .11280      | .013       | 12.8    | .01233 | .000    | 1        |
| S3        | 2.5000       | 2.5802      | .080       | 3.21    | .25918 | .014    | 1        |
| S4        | 5.0000       | 5.0526      | .053       | 1.05    | .50659 | .001    | 1        |
| S5        | 10.000       | 9.8544      | -.146      | -1.46   | .98714 | .001    | 1        |



Mn 257.610 {131}

Date of Fit: 8/14/2019 13:54:11

Type of Fit: Linear

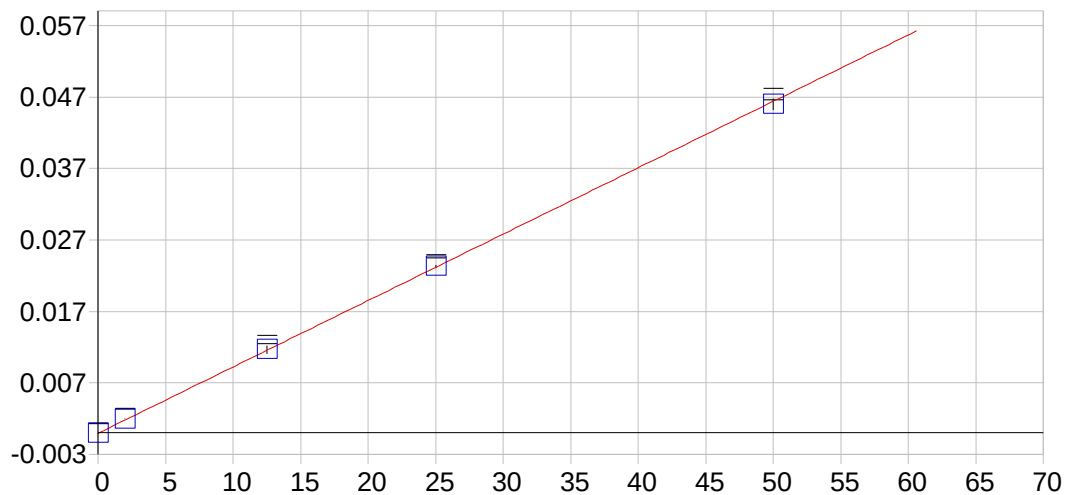
Weighting: 1/Conc

A0 (Offset): 0.000362  
 A1 (Gain): 1.223472  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999869  
 Std Error of Est: 0.000338  
 Predicted MDL: 0.000104  
 Predicted MQL: 0.000348

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    | .00036 | .000    | 1        |
| S1        | .02000       | .02294      | .003       | 14.7    | .02843 | .000    | 1        |
| S3        | 1.2500       | 1.2815      | .032       | 2.52    | 1.5683 | .084    | 1        |
| S4        | 2.5000       | 2.5274      | .027       | 1.10    | 3.0926 | .007    | 1        |
| S5        | 5.0000       | 4.9381      | -.062      | -1.24   | 6.0420 | .013    | 1        |

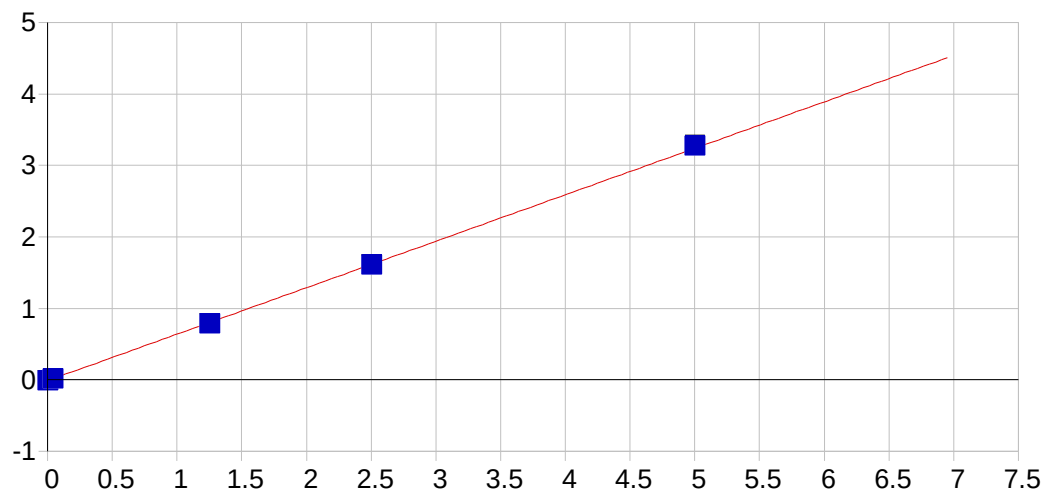


Mg 279.079 {121}

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000059 Re-Slope: 1.000000  
 A1 (Gain): 0.000929 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999880 Status: OK.  
 Std Error of Est: 0.000008  
 Predicted MDL: 0.066982  
 Predicted MQL: 0.223272

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.1824      | .182       | 9.12    | .00197  | .000    | 1        |
| S0        | .00000       | -.00019     | -.000      | .000    | -.00006 | .000    | 1        |
| S3        | 12.500       | 12.599      | .099       | .793    | .01164  | .001    | 1        |
| S4        | 25.000       | 25.129      | .129       | .517    | .02328  | .000    | 1        |
| S5        | 50.000       | 49.589      | -.411      | -.821   | .04601  | .001    | 1        |



Ni 231.604 {445}

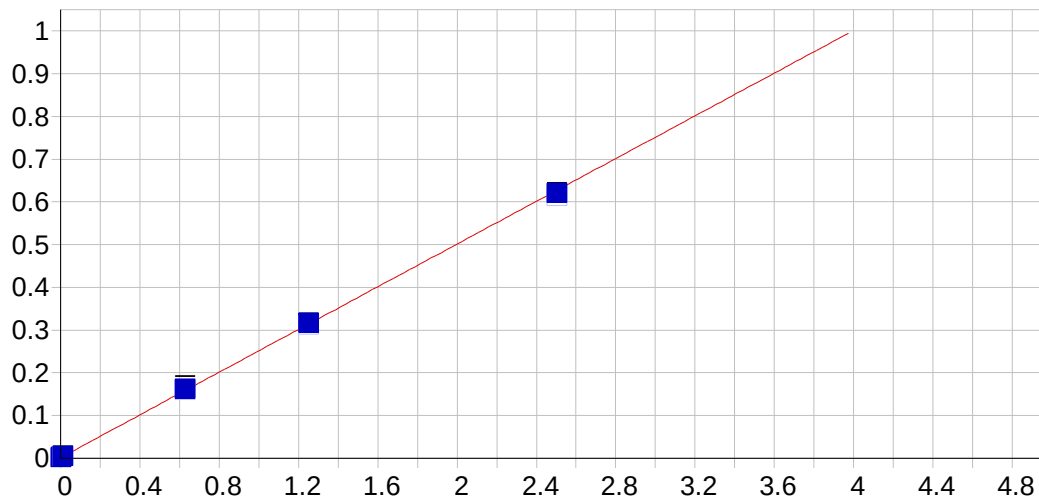
Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.011593 Re-Slope: 1.000000  
 A1 (Gain): 0.650252 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999920  
 Std Error of Est: 0.000199  
 Predicted MDL: 0.000624  
 Predicted MQL: 0.002081

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.01159 | .000    | 1        |
| S1        | .04000       | .04185      | .002       | 4.62    | .01563  | .001    | 1        |
| S3        | 1.2500       | 1.2172      | -.033      | -2.62   | .78081  | .000    | 1        |
| S4        | 2.5000       | 2.4868      | -.013      | -.530   | 1.6072  | .002    | 1        |
| S5        | 5.0000       | 5.0442      | .044       | .883    | 3.2719  | .005    | 1        |



Ag 328.068 {103}

Date of Fit: 8/14/2019 13:54:11

Type of Fit: Linear

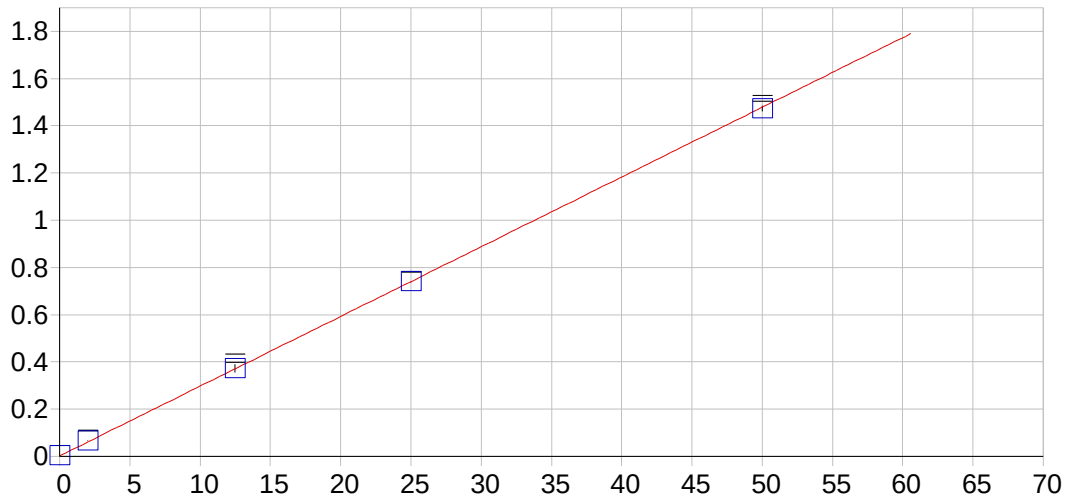
Weighting: 1/Conc

A0 (Offset): 0.001618  
 A1 (Gain): 0.249957  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999832  
 Std Error of Est: 0.000039  
 Predicted MDL: 0.000892  
 Predicted MQL: 0.002975

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    | .00162 | .000    | 1        |
| S1        | .01000       | .01292      | .003       | 29.2    | .00480 | .000    | 1        |
| S3        | .62500       | .63890      | .014       | 2.22    | .15951 | .008    | 1        |
| S4        | 1.2500       | 1.2573      | .007       | .584    | .31227 | .001    | 1        |
| S5        | 2.5000       | 2.4759      | -.024      | -.964   | .61325 | .001    | 1        |

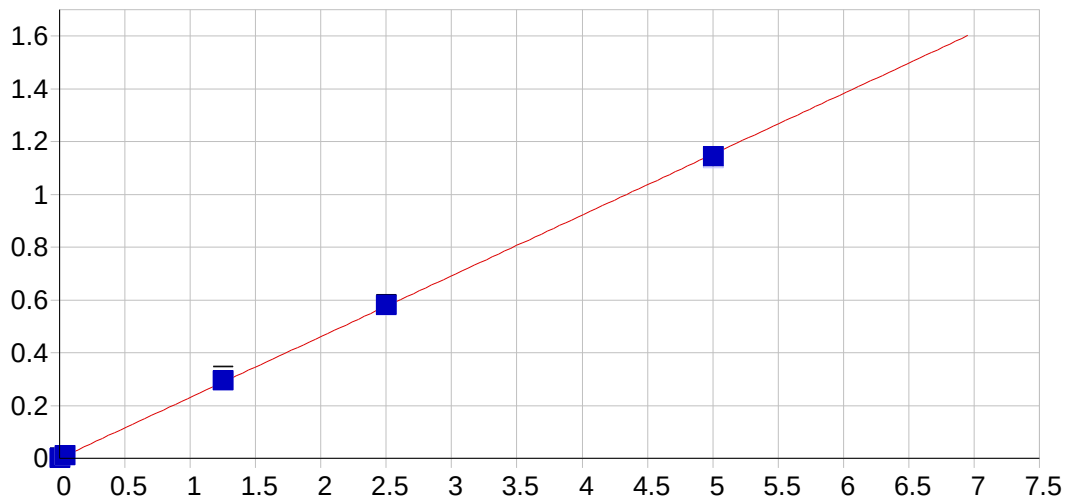


Na 589.592 { 57}

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002060 Re-Slope: 1.000000  
 A1 (Gain): 0.029527 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999913 Status: OK.  
 Std Error of Est: 0.000213  
 Predicted MDL: 0.015032  
 Predicted MQL: 0.050106

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1717      | .172       | 8.58    | .06618 | .001    | 1        |
| S0        | .00000       | -.00017     | -.000      | .000    | .00205 | .000    | 1        |
| S3        | 12.500       | 12.537      | .037       | .300    | .37226 | .018    | 1        |
| S4        | 25.000       | 24.977      | -.023      | -.092   | .73956 | .001    | 1        |
| S5        | 50.000       | 49.814      | -.186      | -.372   | 1.4729 | .011    | 1        |



V 292.402 {115}

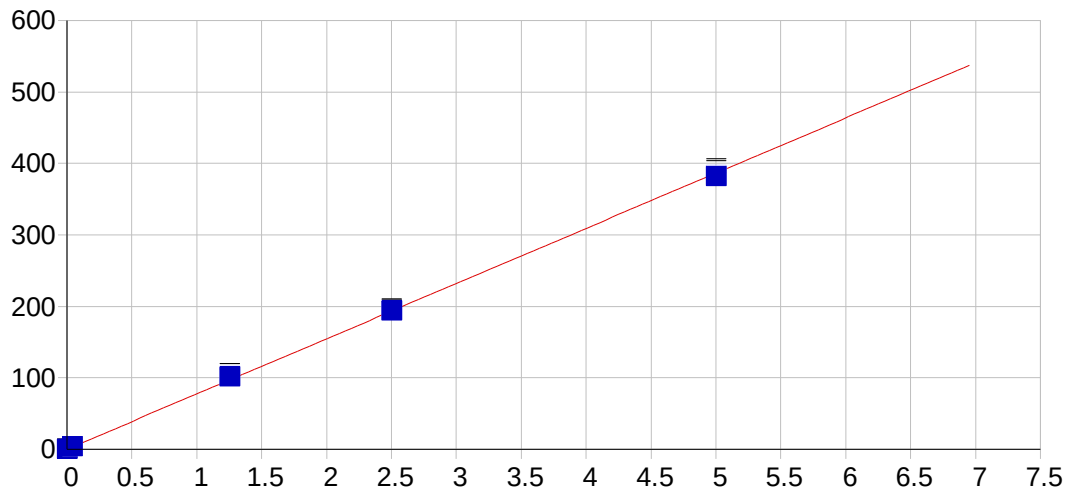
Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000319 Re-Slope: 1.000000  
 A1 (Gain): 0.230332 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999933  
 Std Error of Est: 0.000064  
 Predicted MDL: 0.000747  
 Predicted MQL: 0.002489

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00032 | .000    | 1        |
| S1        | .04000       | .04116      | .001       | 2.90    | .00966 | .000    | 1        |
| S3        | 1.2500       | 1.2768      | .027       | 2.14    | .29252 | .016    | 1        |
| S4        | 2.5000       | 2.5179      | .018       | .717    | .57651 | .001    | 1        |
| S5        | 5.0000       | 4.9542      | -.046      | -.917   | 1.1339 | .002    | 1        |



Zn 206.200 {163}

Date of Fit: 8/14/2019 13:54:11

Type of Fit: Linear

Weighting: 1/Conc

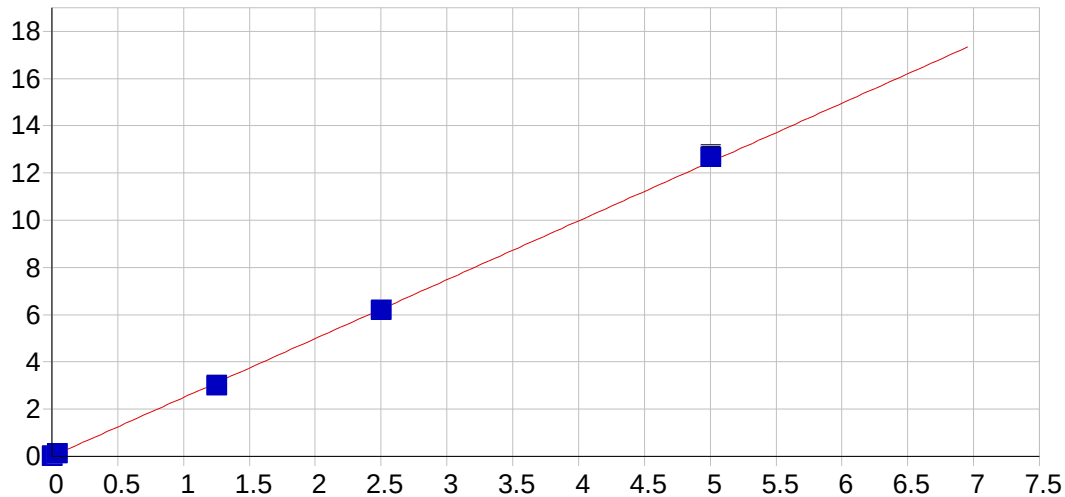
A0 (Offset): 0.181709  
 A1 (Gain): 77.250119  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999733  
 Std Error of Est: 0.043422  
 Predicted MDL: 0.000451  
 Predicted MQL: 0.001504

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    | .18117 | .105    | 1        |
| S1        | .04000       | .04550      | .005       | 13.7    | 3.7167 | .010    | 1        |
| S3        | 1.2500       | 1.3125      | .062       | 5.00    | 102.16 | 3.85    | 1        |
| S4        | 2.5000       | 2.4976      | -.002      | -.096   | 194.29 | 1.84    | 1        |
| S5        | 5.0000       | 4.9344      | -.066      | -1.31   | 383.70 | 8.62    | 1        |



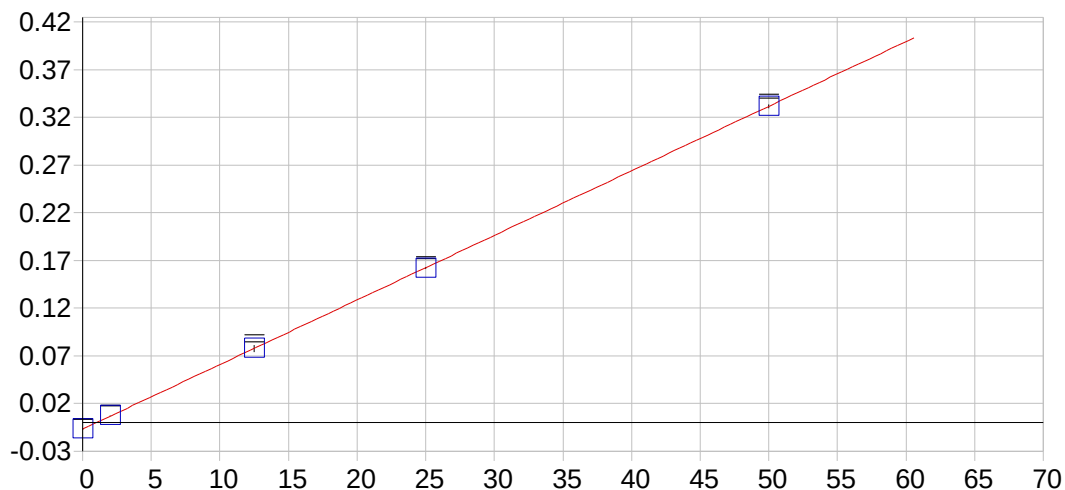


Zn 213.856 {458}

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004498 Re-Slope: 1.000000  
 A1 (Gain): 2.492186 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999760 Status: OK.  
 Std Error of Est: 0.001331  
 Predicted MDL: 0.000130  
 Predicted MQL: 0.000434

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00450 | .000    | 1        |
| S1        | .04000       | .04178      | .002       | 4.46    | .10933 | .000    | 1        |
| S3        | 1.2500       | 1.1935      | -.056      | -4.52   | 2.9989 | .004    | 1        |
| S4        | 2.5000       | 2.4725      | -.027      | -1.10   | 6.2063 | .013    | 1        |
| S5        | 5.0000       | 5.0821      | .082       | 1.64    | 12.750 | .013    | 1        |



K 766.490 {44}

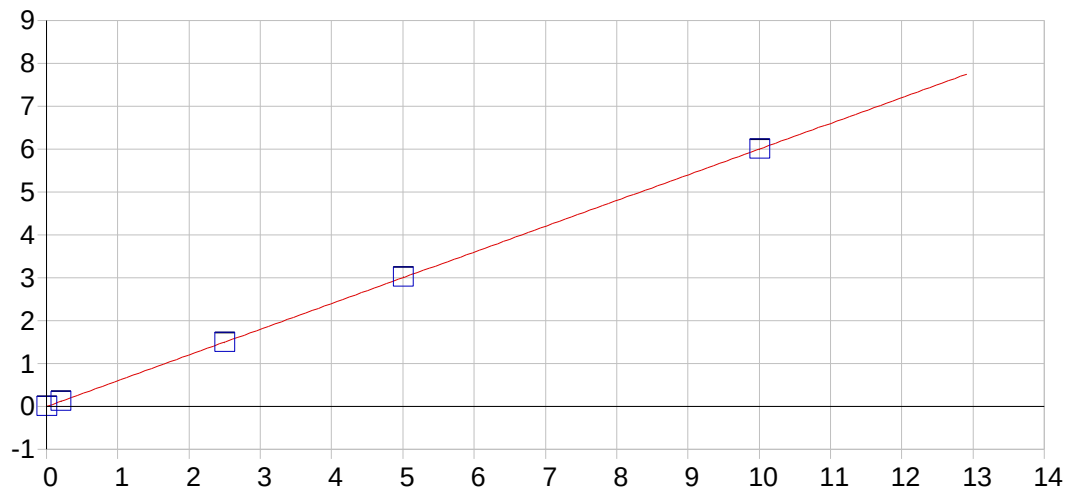
Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.006747 Re-Slope: 1.000000  
 A1 (Gain): 0.006772 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999978  
 Std Error of Est: 0.000024  
 Predicted MDL: 0.068625  
 Predicted MQL: 0.228750

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.0844      | .084       | 4.22    | .00737  | .000    | 1        |
| S0        | .00000       | -.00008     | -.000      | .000    | -.00675 | .000    | 1        |
| S3        | 12.500       | 12.502      | .002       | .017    | .07792  | .004    | 1        |
| S4        | 25.000       | 24.914      | -.086      | -.343   | .16197  | .001    | 1        |
| S5        | 50.000       | 49.999      | -.001      | -.002   | .33184  | .002    | 1        |



Mo 202.030 {467}

Date of Fit: 8/14/2019 13:54:11

Type of Fit: Linear

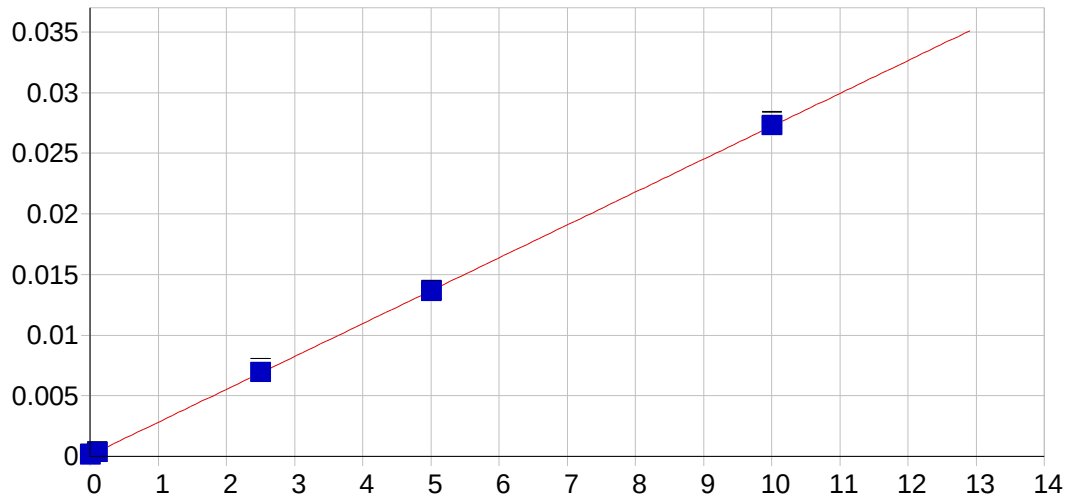
Weighting: 1/Conc

A0 (Offset): -0.000268  
 A1 (Gain): 0.600054  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999987  
 Std Error of Est: 0.000239  
 Predicted MDL: 0.000427  
 Predicted MQL: 0.001422

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    | -.00027 | .000    | 1        |
| S1        | .20000       | .20709      | .007       | 3.55    | .12400  | .000    | 1        |
| S3        | 2.5000       | 2.4813      | -.019      | -.746   | 1.4887  | .005    | 1        |
| S4        | 5.0000       | 5.0199      | .020       | .398    | 3.0119  | .003    | 1        |
| S5        | 10.000       | 9.9917      | -.008      | -.083   | 5.9953  | .010    | 1        |

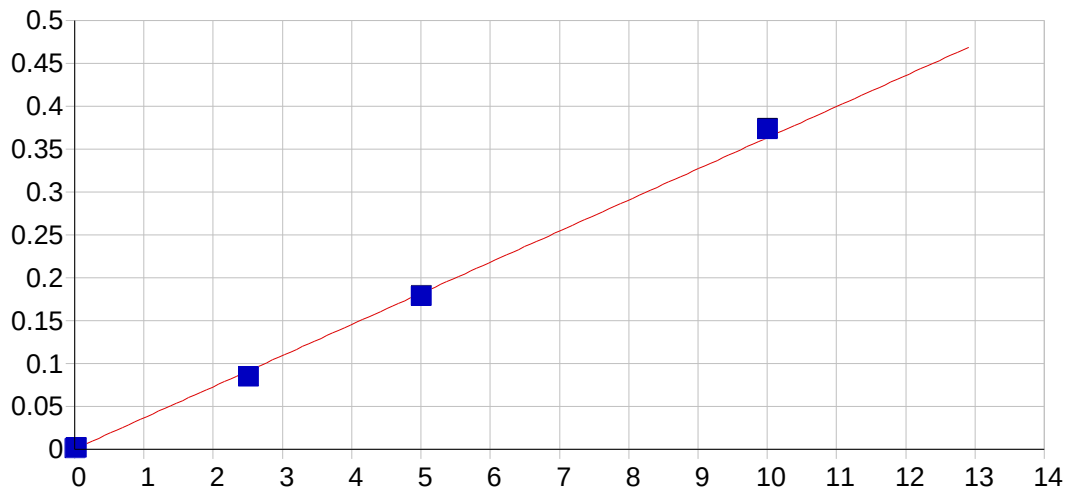


B 249.678 {135}

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000101 Re-Slope: 1.000000  
 A1 (Gain): 0.002712 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999913 Status: OK.  
 Std Error of Est: 0.000002  
 Predicted MDL: 0.017537  
 Predicted MQL: 0.058456

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | .00010 | .000    | 1        |
| S1        | .10000       | .08325      | -.017      | -16.8   | .00033 | .000    | 1        |
| S3        | 2.5000       | 2.5186      | .019       | .745    | .00692 | .000    | 1        |
| S4        | 5.0000       | 4.9795      | -.020      | -.409   | .01358 | .000    | 1        |
| S5        | 10.000       | 10.019      | .019       | .186    | .02722 | .000    | 1        |



S 182.034 {485}

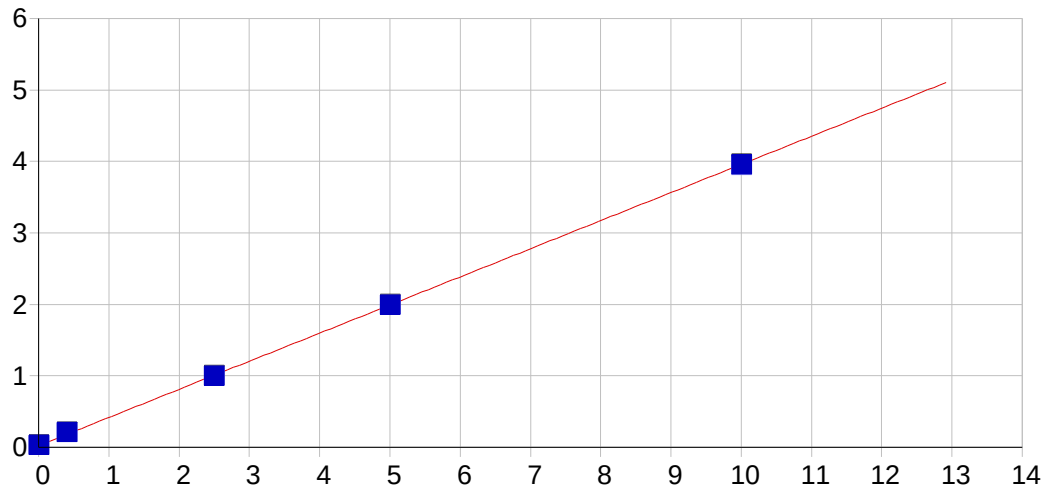
Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000407 Re-Slope: 1.000000  
 A1 (Gain): 0.036286 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999318  
 Std Error of Est: 0.000032  
 Predicted MDL: 0.004874  
 Predicted MQL: 0.016246

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00041 | .000    | 1        |
| S1        | .02000       | .02524      | .005       | 26.2    | .00130 | .000    | 1        |
| S3        | 2.5000       | 2.3149      | -.185      | -7.40   | .08430 | .000    | 1        |
| S4        | 5.0000       | 4.9112      | -.089      | -1.78   | .17841 | .001    | 1        |
| S5        | 10.000       | 10.269      | .269       | 2.69    | .37261 | .001    | 1        |



Si 288.158 {117}

Date of Fit: 8/14/2019 13:54:11

Type of Fit: Linear

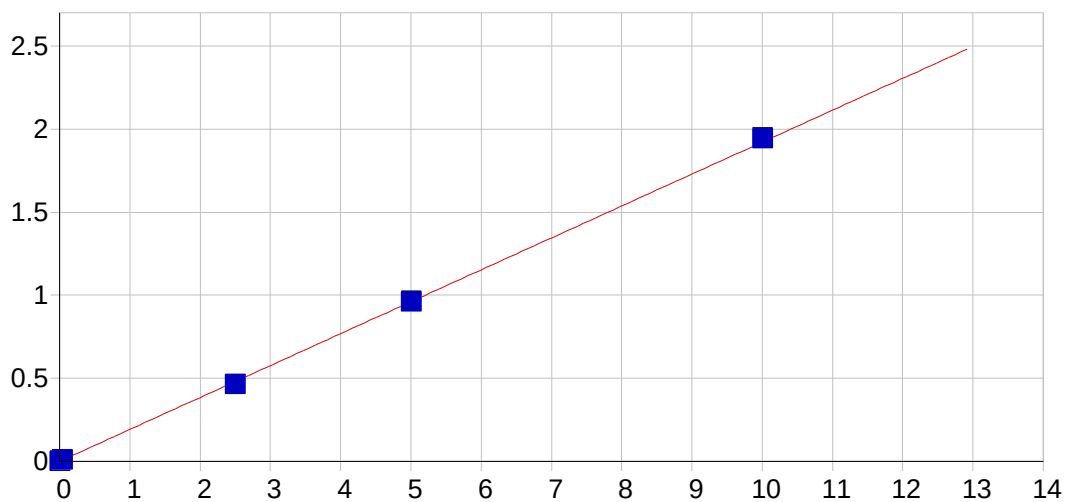
Weighting: 1/Conc

A0 (Offset): 0.024243  
 A1 (Gain): 0.393407  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999735  
 Std Error of Est: 0.000988  
 Predicted MDL: 0.003712  
 Predicted MQL: 0.012374

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00005     | -.000      | .000    | .02422 | .001    | 1        |
| S1        | .40000       | .46041      | .060       | 15.1    | .20524 | .001    | 1        |
| S3        | 2.5000       | 2.4747      | -.025      | -1.01   | .99728 | .008    | 1        |
| S4        | 5.0000       | 4.9944      | -.006      | -.112   | 1.9880 | .006    | 1        |
| S5        | 10.000       | 9.9705      | -.029      | -.295   | 3.9446 | .014    | 1        |

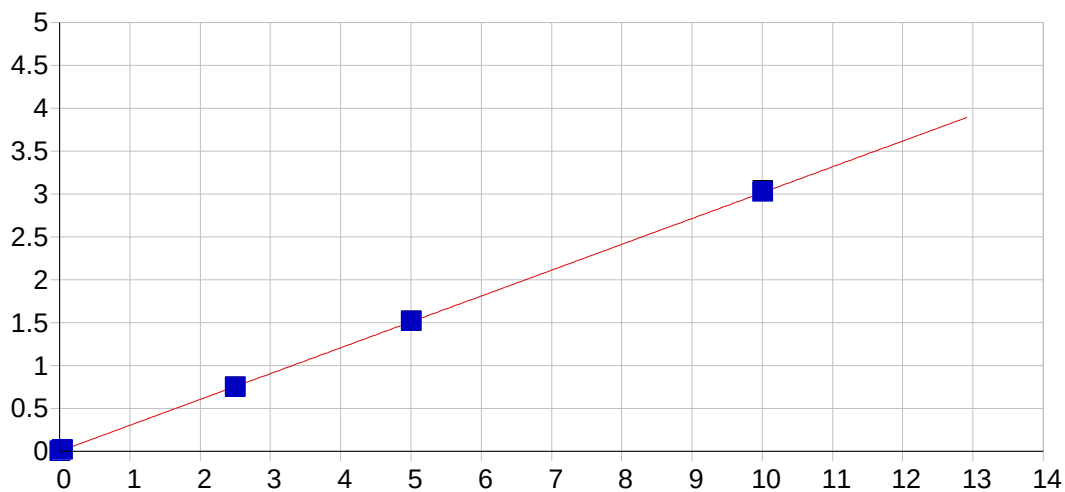


Sn 189.989 {477}

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000307 Re-Slope: 1.000000  
 A1 (Gain): 0.192082 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999854 Status: OK.  
 Std Error of Est: 0.000112  
 Predicted MDL: 0.000969  
 Predicted MQL: 0.003232

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00031 | .000    | 1        |
| S1        | .04000       | .03754      | -.002      | -6.15   | .00752 | .000    | 1        |
| S3        | 2.5000       | 2.4031      | -.097      | -3.88   | .46198 | .002    | 1        |
| S4        | 5.0000       | 4.9896      | -.010      | -.208   | .95889 | .003    | 1        |
| S5        | 10.000       | 10.110      | .110       | 1.10    | 1.9425 | .004    | 1        |



Ti 336.121 {100}

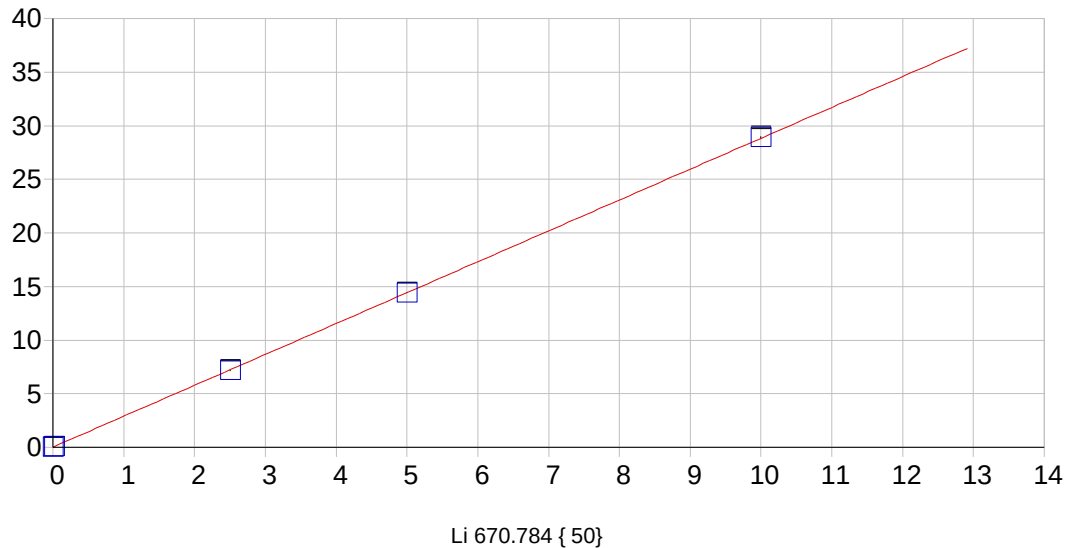
Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001810 Re-Slope: 1.000000  
 A1 (Gain): 0.301452 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999990  
 Std Error of Est: 0.000045  
 Predicted MDL: 0.002966  
 Predicted MQL: 0.009888

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00181 | .000    | 1        |
| S1        | .04000       | .04074      | .001       | 1.84    | .01408 | .000    | 1        |
| S3        | 2.5000       | 2.4741      | -.026      | -1.04   | .74754 | .001    | 1        |
| S4        | 5.0000       | 5.0159      | .016       | .318    | 1.5137 | .003    | 1        |
| S5        | 10.000       | 10.009      | .009       | .092    | 3.0187 | .022    | 1        |



Date of Fit: 8/14/2019 13:54:11

Type of Fit: Linear

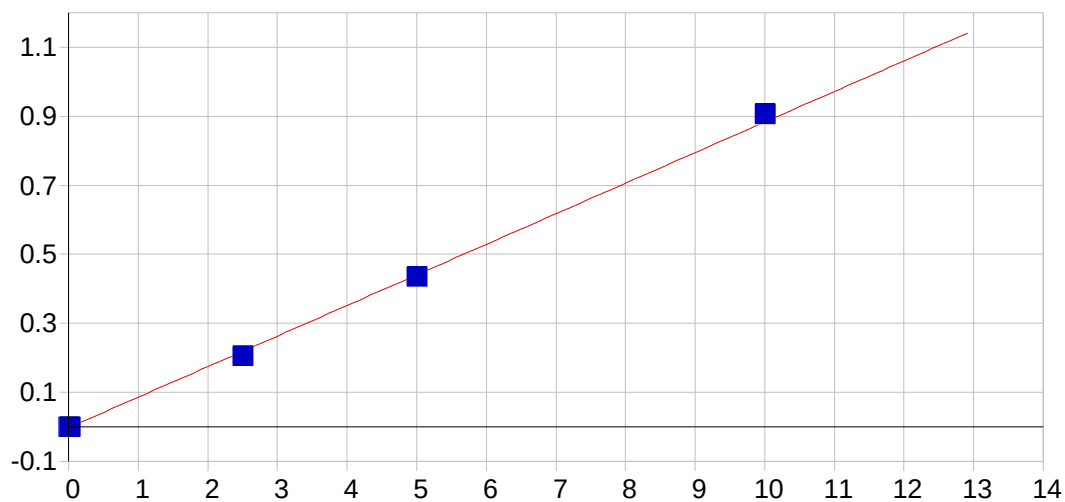
Weighting: 1/Conc

A0 (Offset): 0.023440  
 A1 (Gain): 2.880508  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999933  
 Std Error of Est: 0.000807  
 Predicted MDL: 0.001446  
 Predicted MQL: 0.004820

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    | .02346 | .000    | 1        |
| S1        | .02000       | .01337      | -.007      | -33.2   | .06195 | .004    | 1        |
| S3        | 2.5000       | 2.4848      | -.015      | -.608   | 7.1809 | .049    | 1        |
| S4        | 5.0000       | 4.9970      | -.003      | -.061   | 14.417 | .038    | 1        |
| S5        | 10.000       | 10.025      | .025       | .249    | 28.900 | .125    | 1        |

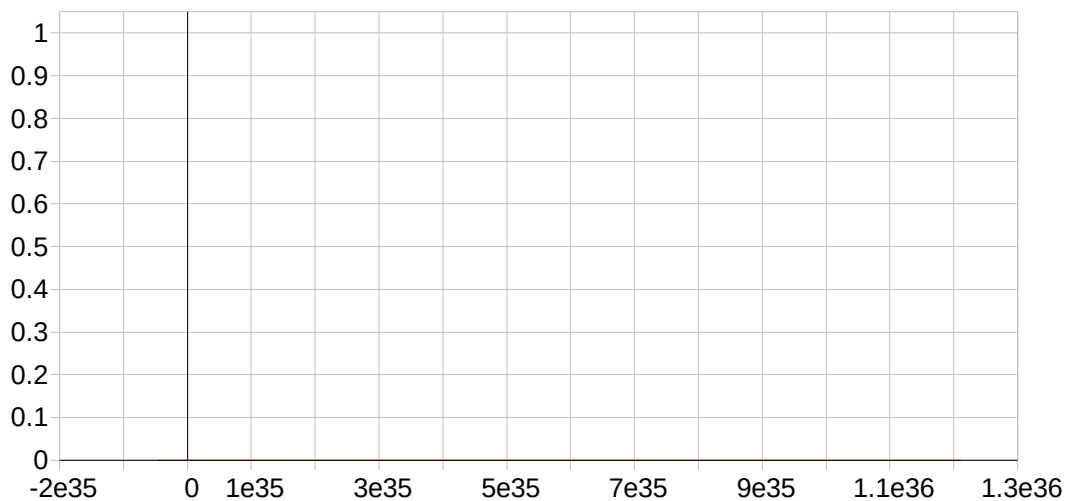


P 177.495 {490}

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002568 Re-Slope: 1.000000  
 A1 (Gain): 0.088593 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999483 Status: OK.  
 Std Error of Est: 0.000069  
 Predicted MDL: 0.002151  
 Predicted MQL: 0.007170

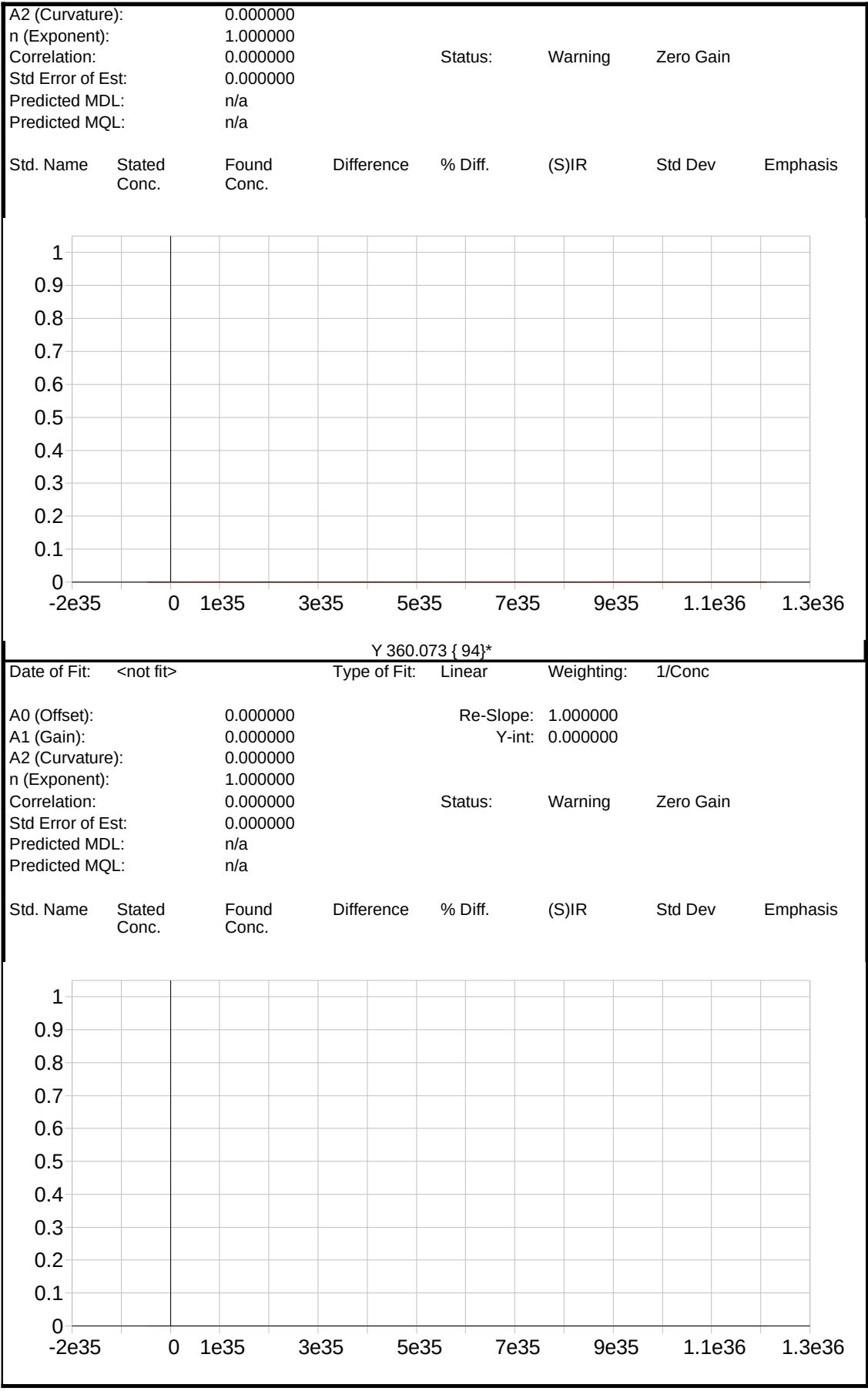
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00257 | .000    | 1        |
| S1        | .02000       | .01965      | -.000      | -1.73   | -.00083 | .000    | 1        |
| S3        | 2.5000       | 2.3360      | -.164      | -6.56   | .20406  | .000    | 1        |
| S4        | 5.0000       | 4.9195      | -.081      | -1.61   | .43262  | .001    | 1        |
| S5        | 10.000       | 10.245      | .245       | 2.45    | .90377  | .002    | 1        |



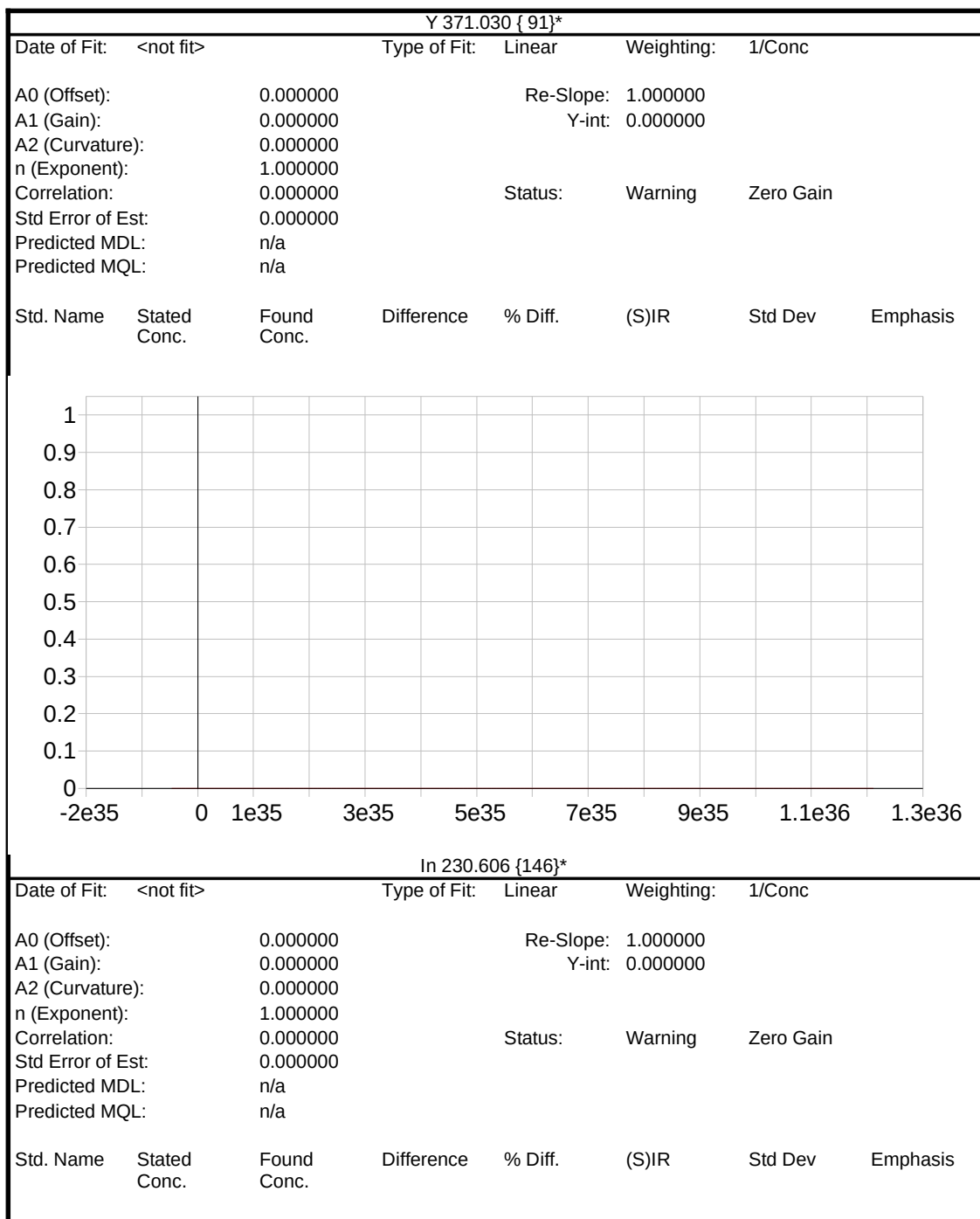
Y 224.306 {450}\*

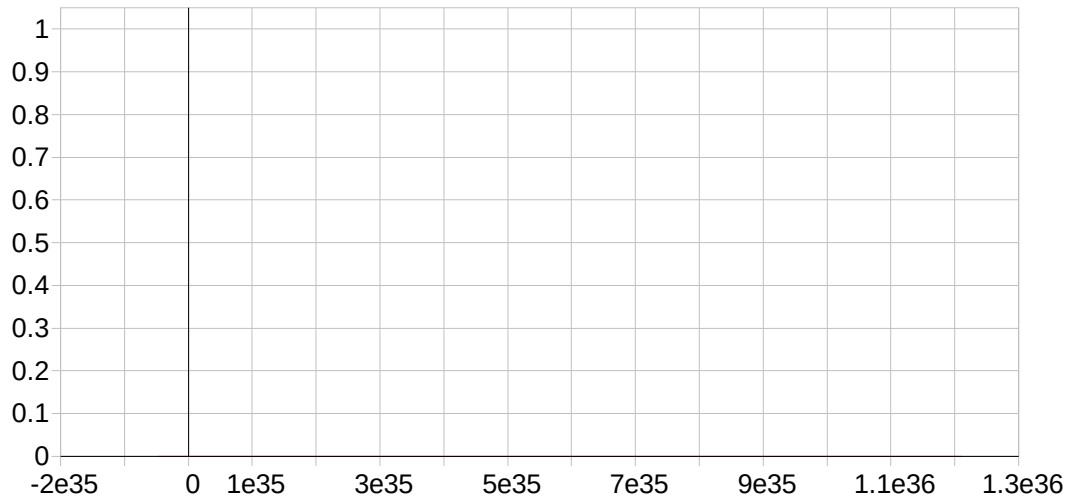
Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

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









In 230.606 {446}\*

Date of Fit: <not fit>

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

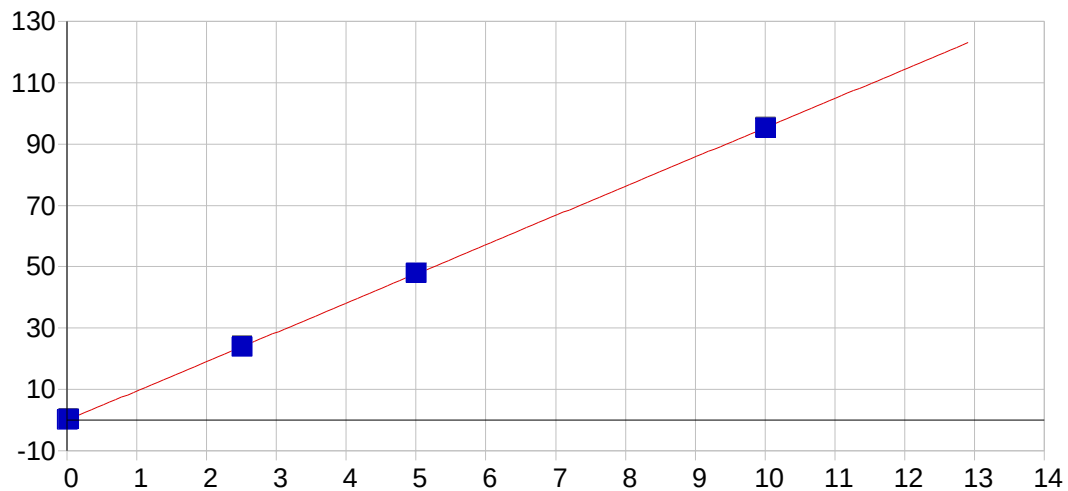
Status: Warning Zero Gain

Std Error of Est: 0.000000

Predicted MDL: n/a

Predicted MQL: n/a

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



Sr 407.771 { 83}

Date of Fit: 8/14/2019 13:54:11

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.003461

Re-Slope: 1.000000

A1 (Gain): 9.529846

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999988

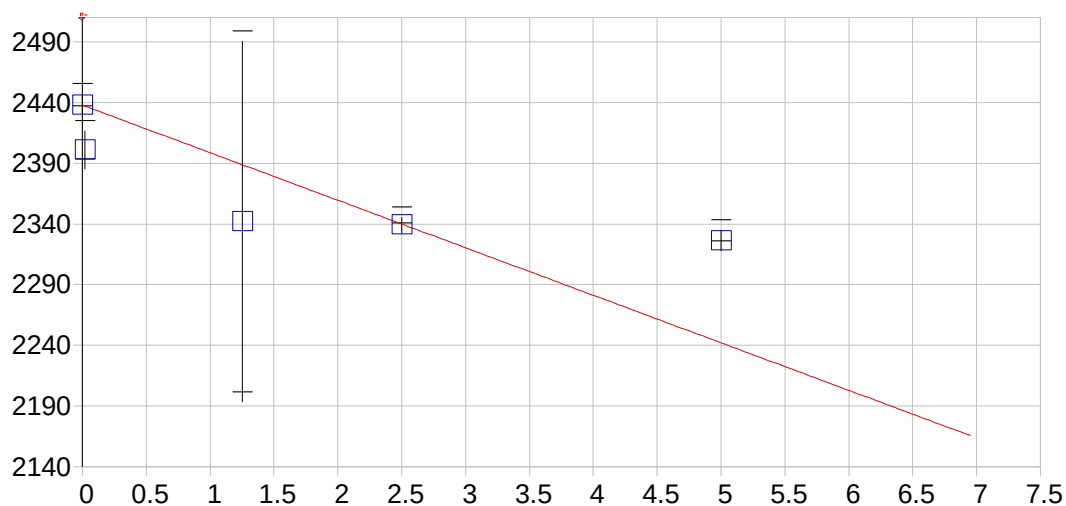
Status: OK.

Std Error of Est: 0.001108

Predicted MDL: 0.000174

Predicted MQL: 0.000580

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00348 | .001    | 1        |
| S1        | .02000       | .02224      | .002       | 11.2    | .20949  | .003    | 1        |
| S3        | 2.5000       | 2.4918      | -.008      | -.327   | 23.769  | .164    | 1        |
| S4        | 5.0000       | 5.0225      | .023       | .451    | 47.913  | .134    | 1        |
| S5        | 10.000       | 9.9834      | -.017      | -.166   | 95.242  | .217    | 1        |

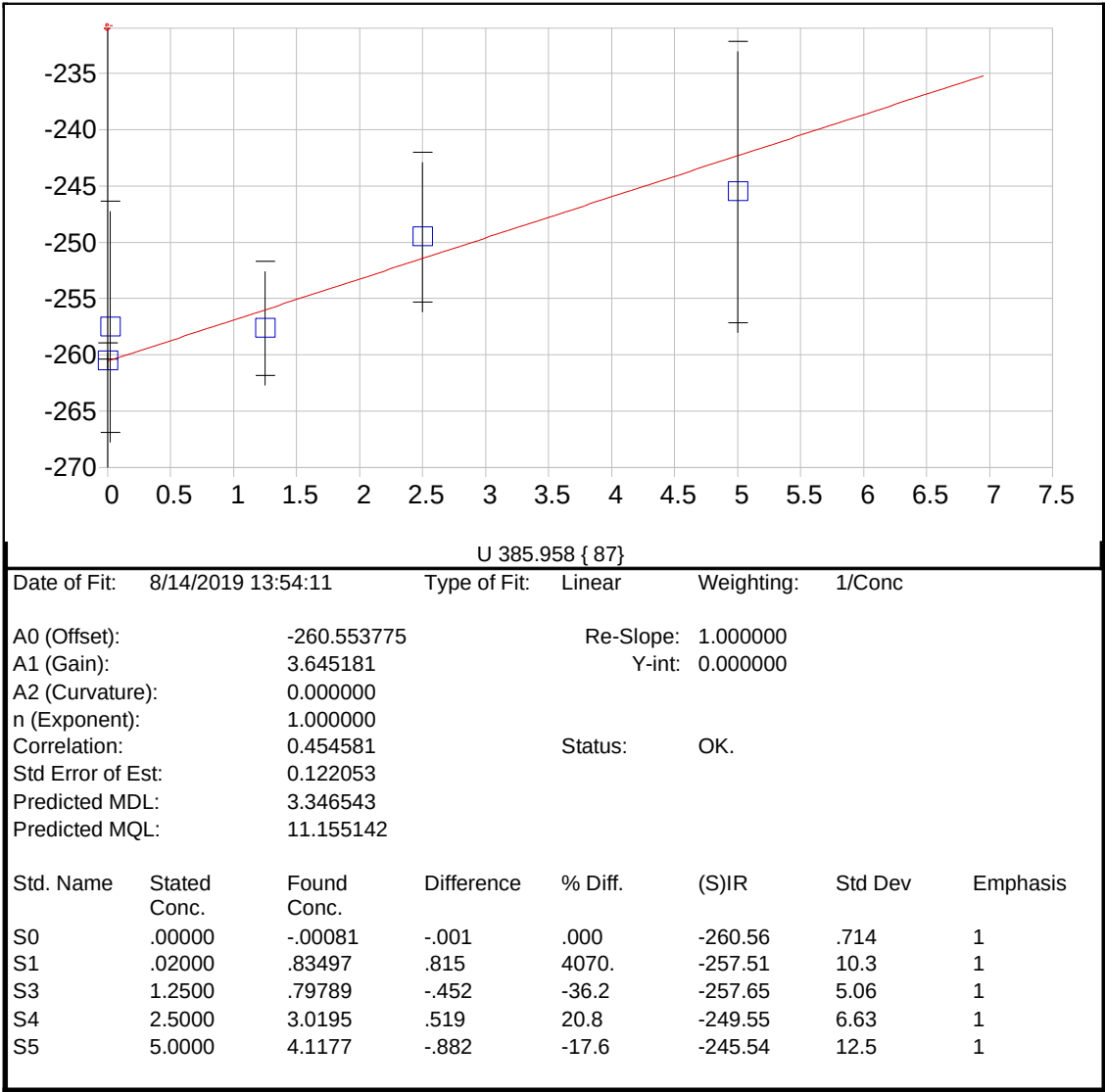


U 367.007 { 92 }

Date of Fit: 8/14/2019 13:54:11 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 2437.808542 Re-Slope: 1.000000  
 A1 (Gain): -39.142976 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.405320 Status: Warning Negative Gain  
 Std Error of Est: 1.508665  
 Predicted MDL: n/a  
 Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00093     | -.001      | .000    | 2437.8 | 9.27    | 1        |
| S1        | .02000       | .94179      | .922       | 4610.   | 2400.9 | 15.7    | 1        |
| S3        | 1.2500       | 2.4543      | 1.20       | 96.3    | 2341.7 | 149.    | 1        |
| S4        | 2.5000       | 2.5215      | .021       | .860    | 2339.1 | 6.49    | 1        |
| S5        | 5.0000       | 2.8524      | -2.15      | -43.0   | 2326.2 | 8.72    | 1        |



Sample Name: S0      Acquired: 8/14/2019 13:28:56      Type: Cal  
Method: P4-ICP2(v3338)      Mode: IR      Corr. Factor: 1.000000  
User: Bin      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    | -.00061 | -.00047 | .00284 | -.00030 | .00122 | .00195 | -.00010 | -.00015 |
| Stddev | .00005  | .00028  | .00027 | .00033  | .00007 | .00010 | .00043  | .00008  |
| %RSD   | 8.6486  | 59.384  | 9.5451 | 107.23  | 5.9570 | 5.3017 | 424.06  | 53.172  |

|    |         |         |        |         |        |        |         |         |
|----|---------|---------|--------|---------|--------|--------|---------|---------|
| #1 | -.00061 | -.00033 | .00275 | -.00006 | .00126 | .00190 | -.00056 | -.00010 |
| #2 | -.00066 | -.00029 | .00263 | -.00018 | .00114 | .00207 | -.00004 | -.00025 |
| #3 | -.00056 | -.00079 | .00315 | -.00067 | .00128 | .00188 | .00029  | -.00011 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 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    | .00231 | .00205 | .00028 | .00045 | .00992 | .00104 | .00036 | -.00006 |
| Stddev | .00050 | .00035 | .00008 | .00027 | .00005 | .00010 | .00015 | .00004  |
| %RSD   | 21.756 | 17.132 | 27.362 | 59.899 | .53989 | 9.4890 | 40.601 | 66.088  |

|    |        |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|--------|---------|
| #1 | .00269 | .00245 | .00037 | .00073 | .00991 | .00094 | .00023 | -.00010 |
| #2 | .00249 | .00190 | .00022 | .00045 | .00997 | .00113 | .00052 | -.00002 |
| #3 | .00174 | .00179 | .00025 | .00019 | .00987 | .00104 | .00033 | -.00006 |

|        |         |        |        |        |        |         |         |        |
|--------|---------|--------|--------|--------|--------|---------|---------|--------|
| 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    | -.01159 | .00162 | .00205 | .00032 | .00450 | -.00675 | -.00027 | .00010 |
| Stddev | .00050  | .00011 | .00025 | .00006 | .00009 | .00031  | .00012  | .00003 |
| %RSD   | 4.2776  | 6.9370 | 12.126 | 18.297 | 1.8978 | 4.5342  | 42.691  | 31.678 |

|    |         |        |        |        |        |         |         |        |
|----|---------|--------|--------|--------|--------|---------|---------|--------|
| #1 | -.01217 | .00166 | .00215 | .00030 | .00447 | -.00701 | -.00024 | .00014 |
| #2 | -.01133 | .00149 | .00177 | .00038 | .00459 | -.00641 | -.00040 | .00009 |
| #3 | -.01129 | .00170 | .00224 | .00027 | .00443 | -.00681 | -.00018 | .00007 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 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    | .00041 | .02422 | .00031 | .00181 | .02346 | -.0026 | -.00348 | 2437.8 |
| Stddev | .00015 | .00123 | .00020 | .00012 | .00026 | .0002  | .00053  | 9.3    |
| %RSD   | 37.446 | 5.0919 | 65.069 | 6.6540 | 1.0976 | 6.433  | 15.121  | .38044 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00051 | .02298 | .00047 | .00191 | .02319 | -.0027 | -.00380 | 2427.8 |
| #2 | .00048 | .02424 | .00036 | .00168 | .02349 | -.0027 | -.00287 | 2439.7 |
| #3 | .00023 | .02544 | .00009 | .00184 | .02370 | -.0024 | -.00377 | 2446.0 |

Sample Name: S0      Acquired: 8/14/2019 13:28:56      Type: Cal  
Method: P4-ICP2(v3338)      Mode: IR      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -260.56 |
| Stddev | .71     |
| %RSD   | .27420  |

|    |         |
|----|---------|
| #1 | -259.74 |
| #2 | -260.88 |
| #3 | -261.06 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2586.8 | 28620. | 2983.5 | 35.173 | 2631.1 |
| Stddev    | 12.4   | 49.    | 17.3   | .591   | 13.4   |
| %RSD      | .47890 | .17028 | .57828 | 1.6812 | .50814 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2574.2 | 28598. | 2967.1 | 34.495 | 2617.1 |
| #2 | 2598.9 | 28676. | 2981.9 | 35.580 | 2643.7 |
| #3 | 2587.3 | 28587. | 3001.5 | 35.445 | 2632.3 |

Sample Name: S1      Acquired: 8/14/2019 13:33:23      Type: Cal  
Method: P4-ICP2(v3338)      Mode: IR      Corr. Factor: 1.000000  
User: Bin      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    | .00056 | .00583 | .00617 | .00110 | .00789  | .00304 | .04373 | .00716 |
| Stddev | .00008 | .00017 | .00002 | .00031 | .00010  | .00011 | .00051 | .00012 |
| %RSD   | 14.046 | 2.8649 | .36991 | 28.197 | 1.2576  | 3.5016 | 1.1721 | 1.6634 |
| #1     | .00065 | .00591 | .00615 | .00101 | .00794  | .00316 | .04364 | .00702 |
| #2     | .00055 | .00594 | .00619 | .00084 | .00795  | .00295 | .04326 | .00724 |
| #3     | .00049 | .00563 | .00616 | .00144 | .00777  | .00302 | .04428 | .00721 |
| 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    | .02834 | .00275 | .03672 | .02563 | .01233  | .02843 | .01563 | .00480 |
| Stddev | .00004 | .00001 | .00031 | .00026 | .00012  | .00020 | .00069 | .00003 |
| %RSD   | .15175 | .41223 | .83170 | 1.0320 | .95480  | .71057 | 4.4184 | .65029 |
| #1     | .02830 | .00274 | .03641 | .02533 | .01228  | .02838 | .01641 | .00483 |
| #2     | .02833 | .00276 | .03673 | .02582 | .01225  | .02826 | .01540 | .00480 |
| #3     | .02838 | .00274 | .03702 | .02575 | .01247  | .02866 | .01508 | .00476 |
| 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    | .00966 | .10933 | .12400 | .00033 | .00130  | .20524 | .00752 | .01408 |
| Stddev | .00017 | .00028 | .00021 | .00004 | .00007  | .00093 | .00013 | .00018 |
| %RSD   | 1.7650 | .25733 | .17126 | 13.045 | 5.0039  | .45372 | 1.7945 | 1.2722 |
| #1     | .00968 | .10905 | .12378 | .00034 | .00136  | .20436 | .00742 | .01422 |
| #2     | .00948 | .10933 | .12400 | .00028 | .00131  | .20516 | .00767 | .01415 |
| #3     | .00982 | .10961 | .12421 | .00036 | .00123  | .20621 | .00746 | .01388 |
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |        |        |        |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |        |        |        |
| Avg    | .06195 | -.0008 | .20949 | 2400.9 | -257.51 |        |        |        |
| Stddev | .00383 | .0002  | .00280 | 15.7   | 10.26   |        |        |        |
| %RSD   | 6.1802 | 20.40  | 1.3378 | .65395 | 3.9860  |        |        |        |
| #1     | .06214 | -.0010 | .20660 | 2400.9 | -268.29 |        |        |        |
| #2     | .06569 | -.0008 | .20968 | 2385.3 | -256.38 |        |        |        |
| #3     | .05803 | -.0007 | .21220 | 2416.7 | -247.86 |        |        |        |

Sample Name: S1      Acquired: 8/14/2019 13:33:23      Type: Cal  
Method: P4-ICP2(v3338)      Mode: IR      Corr. Factor: 1.000000  
User: Bin      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       | 2566.3 | 28403. | 2983.1 | 35.950 | 2613.8 |
| Stddev    | 1.9    | 111.   | 10.3   | .061   | 1.2    |
| %RSD      | .07376 | .39006 | .34644 | .16863 | .04718 |
| #1        | 2567.7 | 28332. | 2980.9 | 35.895 | 2615.2 |
| #2        | 2567.0 | 28530. | 2974.0 | 35.940 | 2613.1 |
| #3        | 2564.2 | 28346. | 2994.3 | 36.015 | 2613.0 |



Sample Name: S2      Acquired: 8/14/2019 13:37:50      Type: Cal  
 Method: P4-ICP2(v3338)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |
|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Mg2790 | Na5895 | K_7664 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .09920 | .00197 | .06618 | .00737 |
| Stddev | .00107 | .00007 | .00085 | .00026 |
| %RSD   | 1.0781 | 3.4209 | 1.2861 | 3.5244 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .09819 | .00190 | .06557 | .00719 |
| #2 | .09909 | .00196 | .06583 | .00725 |
| #3 | .10032 | .00204 | .06715 | .00767 |

|           |        |        |
|-----------|--------|--------|
| Int. Std. | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  |
| Avg       | 28329. | 2973.0 |
| Stddev    | 111.   | 31.3   |
| %RSD      | .39058 | 1.0531 |

|    |        |        |
|----|--------|--------|
| #1 | 28449. | 2945.0 |
| #2 | 28305. | 2967.2 |
| #3 | 28232. | 3006.8 |

Sample Name: S3      Acquired: 8/14/2019 13:42:06      Type: Cal  
Method: P4-ICP2(v3338)      Mode: IR      Corr. Factor: 1.000000  
User: Bin      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    | .12436 | .37306 | .69996 | .14558 | .30778 | .04426 | 2.0906 | .13929 |
| Stddev | .00070 | .00103 | .00031 | .00040 | .00111 | .00195 | .0980  | .00787 |
| %RSD   | .56379 | .27690 | .04397 | .27637 | .35970 | 4.4062 | 4.6876 | 5.6504 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .12355 | .37309 | .70029 | .14512 | .30710 | .04335 | 2.0518 | .13632 |
| #2 | .12478 | .37408 | .69967 | .14586 | .30718 | .04650 | 2.2021 | .14822 |
| #3 | .12475 | .37201 | .69993 | .14577 | .30905 | .04293 | 2.0180 | .13334 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 5.0399 | .55424 | .12095 | 1.4476 | .43760 | .25918 | 1.5683 | .01164 |
| Stddev | .0049  | .00260 | .00685 | .0013  | .00109 | .01403 | .0842  | .00055 |
| %RSD   | .09633 | .46845 | 5.6621 | .09181 | .24899 | 5.4139 | 5.3666 | 4.7475 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.0443 | .55131 | .11901 | 1.4477 | .43634 | .25483 | 1.5378 | .01137 |
| #2 | 5.0347 | .55518 | .12855 | 1.4488 | .43813 | .27488 | 1.6635 | .01228 |
| #3 | 5.0406 | .55624 | .11527 | 1.4461 | .43831 | .24784 | 1.5036 | .01128 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .78081 | .15951 | .37226 | .29252 | 2.9989 | .07792 | 1.4887 | .00692 |
| Stddev | .00038 | .00801 | .01798 | .01593 | .0044  | .00373 | .0049  | .00032 |
| %RSD   | .04864 | 5.0222 | 4.8293 | 5.4458 | .14688 | 4.7897 | .32661 | 4.6415 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .78037 | .15688 | .36600 | .28628 | 3.0010 | .07705 | 1.4850 | .00679 |
| #2 | .78103 | .16850 | .39253 | .31062 | 3.0019 | .08201 | 1.4868 | .00728 |
| #3 | .78102 | .15314 | .35824 | .28064 | 2.9938 | .07470 | 1.4942 | .00668 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .08430 | .99728 | .46198 | .74754 | 7.1809 | .2041  | 23.769 | 2341.7 |
| Stddev | .00020 | .00765 | .00196 | .00100 | .0488  | .0004  | .164   | 148.6  |
| %RSD   | .24178 | .76716 | .42468 | .13354 | .68010 | .2019  | .69183 | 6.3438 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .08431 | .98948 | .46270 | .74705 | 7.1247 | .2045 | 23.581 | 2388.1 |
| #2 | .08451 | 1.0048 | .46348 | .74688 | 7.2058 | .2040 | 23.842 | 2175.5 |
| #3 | .08410 | .99759 | .45976 | .74869 | 7.2124 | .2037 | 23.885 | 2461.6 |

Sample Name: S3      Acquired: 8/14/2019 13:42:06      Type: Cal  
 Method: P4-ICP2(v3338)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -257.65 |
| Stddev | 5.06    |
| %RSD   | 1.9655  |

|    |         |
|----|---------|
| #1 | -257.52 |
| #2 | -252.64 |
| #3 | -262.77 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2542.1 | 27663. | 2938.8 | 32.635 | 2490.5 |
| Stddev    | 4.7    | 1239.  | 7.5    | 1.268  | 5.3    |
| %RSD      | .18470 | 4.4794 | .25543 | 3.8849 | .21209 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2541.4 | 27993. | 2945.3 | 31.600 | 2485.0 |
| #2 | 2547.1 | 26293. | 2940.5 | 32.256 | 2495.6 |
| #3 | 2537.7 | 28704. | 2930.5 | 34.049 | 2491.0 |

Sample Name: S4      Acquired: 8/14/2019 13:46:10      Type: Cal  
Method: P4-ICP2(v3338)      Mode: IR      Corr. Factor: 1.000000  
User: Bin      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    | .25357 | .76796 | 1.4365 | .29528 | .62220 | .08647 | 4.1869 | .27644 |
| Stddev | .00037 | .00214 | .0049  | .00085 | .00016 | .00050 | .0032  | .00050 |
| %RSD   | .14502 | .27902 | .34253 | .28718 | .02523 | .58230 | .07521 | .17957 |
| #1     | .25365 | .76583 | 1.4317 | .29430 | .62238 | .08594 | 4.1905 | .27691 |
| #2     | .25317 | .77012 | 1.4415 | .29575 | .62210 | .08652 | 4.1846 | .27592 |
| #3     | .25389 | .76792 | 1.4364 | .29579 | .62212 | .08695 | 4.1858 | .27650 |
| 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    | 10.440 | 1.1185 | .23789 | 2.9677 | .86593 | .50659 | 3.0926 | .02328 |
| Stddev | .021   | .0026  | .00068 | .0070  | .00070 | .00094 | .0073  | .00021 |
| %RSD   | .19946 | .23281 | .28729 | .23483 | .08111 | .18558 | .23599 | .88092 |
| #1     | 10.421 | 1.1158 | .23847 | 2.9629 | .86512 | .50748 | 3.0990 | .02351 |
| #2     | 10.462 | 1.1210 | .23713 | 2.9757 | .86636 | .50561 | 3.0847 | .02311 |
| #3     | 10.438 | 1.1186 | .23807 | 2.9646 | .86631 | .50669 | 3.0941 | .02323 |
| 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    | 1.6072 | .31227 | .73956 | .57651 | 6.2063 | .16197 | 3.0119 | .01358 |
| Stddev | .0024  | .00062 | .00133 | .00075 | .0129  | .00099 | .0026  | .00007 |
| %RSD   | .14847 | .19773 | .17928 | .12963 | .20753 | .61014 | .08601 | .55060 |
| #1     | 1.6062 | .31298 | .74041 | .57702 | 6.1939 | .16301 | 3.0131 | .01361 |
| #2     | 1.6099 | .31189 | .73803 | .57565 | 6.2196 | .16105 | 3.0138 | .01349 |
| #3     | 1.6055 | .31194 | .74023 | .57687 | 6.2055 | .16184 | 3.0090 | .01364 |
| 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    | .17841 | 1.9880 | .95889 | 1.5137 | 14.417 | .4326  | 47.913 | 2339.1 |
| Stddev | .00055 | .0063  | .00276 | .0025  | .038   | .0009  | .134   | 6.5    |
| %RSD   | .30884 | .31545 | .28773 | .16611 | .26459 | .2008  | .28023 | .27728 |
| #1     | .17797 | 1.9927 | .95634 | 1.5159 | 14.457 | .4320  | 47.911 | 2335.6 |
| #2     | .17903 | 1.9809 | .96182 | 1.5109 | 14.381 | .4336  | 47.779 | 2346.6 |
| #3     | .17824 | 1.9905 | .95850 | 1.5142 | 14.414 | .4322  | 48.048 | 2335.1 |

Sample Name: S4      Acquired: 8/14/2019 13:46:10      Type: Cal  
 Method: P4-ICP2(v3338)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -249.55 |
| Stddev | 6.63    |
| %RSD   | 2.6561  |

|    |         |
|----|---------|
| #1 | -253.04 |
| #2 | -253.70 |
| #3 | -241.90 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2511.9 | 27894. | 2935.6 | 33.784 | 2385.5 |
| Stddev    | 4.1    | 101.   | 9.9    | .365   | 5.2    |
| %RSD      | .16402 | .36285 | .33731 | 1.0802 | .21847 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2508.7 | 27777. | 2925.1 | 33.365 | 2385.6 |
| #2 | 2510.6 | 27950. | 2944.8 | 33.952 | 2380.2 |
| #3 | 2516.6 | 27955. | 2936.9 | 34.034 | 2390.6 |

Sample Name: S5      Acquired: 8/14/2019 13:50:10      Type: Cal

Method: P4-ICP2(v3338)      Mode: IR      Corr. Factor: 1.000000

User: Bin      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    | .50880 | 1.5427 | 2.9253 | .58576 | 1.2426 | .16984 | 8.3290 | .54015 |
| Stddev | .00126 | .0012  | .0046  | .00041 | .0022  | .00178 | .0664  | .00112 |
| %RSD   | .24771 | .07968 | .15579 | .06939 | .17722 | 1.0480 | .79748 | .20741 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50754 | 1.5418 | 2.9227 | .58586 | 1.2413 | .16781 | 8.2839 | .53973 |
| #2 | .50879 | 1.5441 | 2.9225 | .58612 | 1.2414 | .17056 | 8.2978 | .53930 |
| #3 | .51006 | 1.5423 | 2.9305 | .58532 | 1.2452 | .17115 | 8.4053 | .54142 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 21.366 | 2.2154 | .46477 | 6.0437 | 1.6849 | .98714 | 6.0420 | .04601 |
| Stddev | .041   | .0139  | .00051 | .0127  | .0039  | .00111 | .0131  | .00081 |
| %RSD   | .19252 | .62922 | .11080 | .21089 | .23008 | .11233 | .21637 | 1.7674 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 21.326 | 2.1995 | .46452 | 6.0333 | 1.6824 | .98709 | 6.0344 | .04512 |
| #2 | 21.365 | 2.2216 | .46443 | 6.0398 | 1.6828 | .98605 | 6.0344 | .04671 |
| #3 | 21.408 | 2.2252 | .46536 | 6.0579 | 1.6893 | .98827 | 6.0571 | .04619 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.2719 | .61325 | 1.4729 | 1.1339 | 12.750 | .33184 | 5.9953 | .02722 |
| Stddev | .0053  | .00055 | .0112  | .0016  | .013   | .00185 | .0101  | .00033 |
| %RSD   | .16361 | .08916 | .76054 | .13869 | .10491 | .55829 | .16812 | 1.2144 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.2664 | .61265 | 1.4600 | 1.1356 | 12.735 | .32970 | 5.9899 | .02684 |
| #2 | 3.2724 | .61372 | 1.4792 | 1.1324 | 12.754 | .33287 | 5.9890 | .02736 |
| #3 | 3.2770 | .61337 | 1.4796 | 1.1337 | 12.760 | .33296 | 6.0069 | .02746 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .37261 | 3.9446 | 1.9425 | 3.0187 | 28.900 | .9038  | 95.242 | 2326.2 |
| Stddev | .00092 | .0138  | .0036  | .0217  | .125   | .0020  | .217   | 8.7    |
| %RSD   | .24796 | .34872 | .18305 | .71750 | .43331 | .2207  | .22765 | .37480 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .37163 | 3.9538 | 1.9387 | 2.9941 | 28.828 | .9040 | 95.010 | 2330.6 |
| #2 | .37273 | 3.9288 | 1.9432 | 3.0274 | 28.827 | .9017 | 95.276 | 2331.8 |
| #3 | .37347 | 3.9513 | 1.9457 | 3.0347 | 29.045 | .9057 | 95.439 | 2316.1 |

Sample Name: S5      Acquired: 8/14/2019 13:50:10      Type: Cal  
Method: P4-ICP2(v3338)      Mode: IR      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -245.54 |
| Stddev | 12.50   |
| %RSD   | 5.0926  |

|    |         |
|----|---------|
| #1 | -233.84 |
| #2 | -244.07 |
| #3 | -258.72 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2454.8 | 27628. | 2910.1 | 32.869 | 2246.1 |
| Stddev    | 5.5    | 45.    | 10.6   | .643   | 4.1    |
| %RSD      | .22606 | .16122 | .36334 | 1.9548 | .18101 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2455.8 | 27679. | 2897.9 | 32.730 | 2248.4 |
| #2 | 2459.8 | 27597. | 2916.9 | 33.570 | 2248.5 |
| #3 | 2448.8 | 27607. | 2915.5 | 32.307 | 2241.4 |

Sample Name: ICV01      Acquired: 8/14/2019 14:21:42      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0122 | 1.0193 | .99566 | 1.0147 | 1.0182 | 2.5555 | .50748 |
| Stddev | .0028  | .0041  | .00251 | .0056  | .0048  | .0190  | .00440 |
| %RSD   | .28080 | .39851 | .25167 | .55489 | .47021 | .74181 | .86623 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0153 | 1.0187 | .99592 | 1.0099 | 1.0165 | 2.5364 | .50528 |
| #2 | 1.0098 | 1.0156 | .99303 | 1.0134 | 1.0145 | 2.5743 | .51255 |
| #3 | 1.0116 | 1.0236 | .99802 | 1.0209 | 1.0236 | 2.5558 | .50462 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .49488 | .48421 | 10.203 | .50576 | .49316 | .51163 | 5.2136 |
| Stddev | .00064 | .00047 | .015   | .00110 | .00112 | .00129 | .0136  |
| %RSD   | .12844 | .09754 | .14581 | .21736 | .22649 | .25116 | .26055 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .49445 | .48455 | 10.215 | .50668 | .49218 | .51103 | 5.2209 |
| #2 | .49561 | .48367 | 10.208 | .50455 | .49291 | .51076 | 5.2219 |
| #3 | .49459 | .48442 | 10.187 | .50606 | .49438 | .51311 | 5.1979 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51270 | 6.0471 | .50363 | .51870 | 10.072 | .49479 | .97399 |
| Stddev | .00132 | .1499  | .00049 | .00118 | .084   | .00122 | .00141 |
| %RSD   | .25673 | 2.4785 | .09743 | .22657 | .83009 | .24703 | .14478 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .51151 | 6.2198 | .50345 | .51736 | 9.9870 | .49515 | .97505 |
| #2 | .51411 | 5.9694 | .50325 | .51955 | 10.154 | .49343 | .97239 |
| #3 | .51247 | 5.9520 | .50418 | .51920 | 10.074 | .49580 | .97454 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.034 | 2.5451 | 2.5049 | F .00020 | 2.4836 | 2.4535 | 2.5640 |
| Stddev | .072   | .0045  | .0218  | .00502   | .0123  | .0047  | .0085  |
| %RSD   | .72093 | .17636 | .86960 | 2548.0   | .49530 | .19349 | .33247 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.089 | 2.5498 | 2.4971 | -.00549 | 2.4860 | 2.4541 | 2.5713 |
| #2 | 10.060 | 2.5409 | 2.5295 | .00402  | 2.4703 | 2.4485 | 2.5662 |
| #3 | 9.9519 | 2.5444 | 2.4880 | .00205  | 2.4945 | 2.4580 | 2.5546 |



Sample Name: ICV01      Acquired: 8/14/2019 14:21:42      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|           |          |         |          |          |          |
|-----------|----------|---------|----------|----------|----------|
| Elem      | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units     | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg       | F .00130 | F .0008 | F .00662 | F<.00000 | F .84537 |
| Stddev    | .00059   | .0014   | .00004   | .52150   | 2.4644   |
| %RSD      | 45.348   | 191.0   | .65300   | 43.741   | 291.51   |
| #1        | .00082   | -.0004  | .00659   | -1.4027  | 2.9089   |
| #2        | .00112   | .0023   | .00667   | -1.5757  | -1.8833  |
| #3        | .00196   | .0003   | .00661   | -.59841  | 1.5104   |
| Int. Std. | Y_2243   | Y_3600  | Y_3710   | In2306   | In2306   |
| Units     | Cts/S    | Cts/S   | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2597.7   | 28641.  | 2992.4   | 33.770   | 2601.1   |
| Stddev    | 4.2      | 93.     | 8.5      | .181     | 7.0      |
| %RSD      | .16020   | .32539  | .28407   | .53732   | .26720   |
| #1        | 2593.2   | 28629.  | 2982.8   | 33.705   | 2593.3   |
| #2        | 2598.4   | 28555.  | 2999.1   | 33.975   | 2603.4   |
| #3        | 2601.5   | 28740.  | 2995.2   | 33.630   | 2606.6   |

Sample Name: LLICV01      Acquired: 8/14/2019 14:25:50      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02371 | .04076 | .01222 | .02240 | .05484 | .11227 | .10479 |
| Stddev | .00454 | .00045 | .00007 | .00331 | .00081 | .01012 | .00071 |
| %RSD   | 19.152 | 1.1098 | .59943 | 14.755 | 1.4833 | 9.0184 | .67333 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02852 | .04024 | .01224 | .02042 | .05510 | .11100 | .10398 |
| #2 | .01950 | .04105 | .01214 | .02621 | .05392 | .10283 | .10509 |
| #3 | .02311 | .04100 | .01229 | .02056 | .05549 | .12296 | .10530 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00665 | .00623 | 2.1378 | .01075 | .03071 | .02277 | .11239 |
| Stddev | .00009 | .00009 | .0158  | .00020 | .00018 | .00044 | .00085 |
| %RSD   | 1.3829 | 1.4618 | .73978 | 1.8280 | .60099 | 1.9509 | .75390 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00657 | .00629 | 2.1318 | .01060 | .03054 | .02304 | .11232 |
| #2 | .00663 | .00627 | 2.1259 | .01067 | .03069 | .02301 | .11158 |
| #3 | .00675 | .00612 | 2.1558 | .01097 | .03090 | .02225 | .11327 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02323 | 2.1701 | .04265 | .01108 | 2.1047 | .04180 | .04202 |
| Stddev | .00013 | .0363  | .00045 | .00076 | .0104  | .00014 | .00012 |
| %RSD   | .56422 | 1.6727 | 1.0546 | 6.8345 | .49557 | .32314 | .27668 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02319 | 2.1456 | .04316 | .01033 | 2.0983 | .04165 | .04193 |
| #2 | .02312 | 2.1529 | .04231 | .01185 | 2.0991 | .04191 | .04215 |
| #3 | .02337 | 2.2118 | .04248 | .01107 | 2.1168 | .04185 | .04197 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.0862 | .21123 | .08544 | .01877 | .46381 | .03957 | .04227 |
| Stddev | .0137  | .00015 | .01451 | .00141 | .00294 | .00072 | .00182 |
| %RSD   | .65470 | .06970 | 16.981 | 7.5259 | .63313 | 1.8151 | 4.3060 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.0705 | .21140 | .07856 | .01725 | .46051 | .03930 | .04430 |
| #2 | 2.0929 | .21117 | .10211 | .02003 | .46613 | .04038 | .04078 |
| #3 | 2.0953 | .21112 | .07565 | .01903 | .46479 | .03902 | .04174 |

Sample Name: LLICV01      Acquired: 8/14/2019 14:25:50      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

|           |          |        |        |          |          |
|-----------|----------|--------|--------|----------|----------|
| Elem      | Li6707   | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm      | ppm    | ppm    | ppm      | ppm      |
| Avg       | F .01511 | .0212  | .02240 | F<.00000 | F .39927 |
| Stddev    | .00045   | .0012  | .00014 | .85544   | .24062   |
| %RSD      | 3.0042   | 5.440  | .61291 | 209.71   | 60.264   |
| #1        | .01563   | .0214  | .02256 | -.43901  | .35108   |
| #2        | .01478   | .0222  | .02234 | .46266   | .66033   |
| #3        | .01492   | .0199  | .02231 | -1.2474  | .18640   |
| Int. Std. | Y_2243   | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S    | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2565.6   | 28417. | 2951.6 | 34.638   | 2612.4   |
| Stddev    | 4.5      | 130.   | 17.7   | 1.713    | 1.8      |
| %RSD      | .17657   | .45830 | .60080 | 4.9441   | .06879   |
| #1        | 2560.4   | 28290. | 2932.7 | 34.940   | 2614.5   |
| #2        | 2568.6   | 28550. | 2967.8 | 32.795   | 2611.3   |
| #3        | 2567.8   | 28411. | 2954.2 | 36.180   | 2611.4   |

Sample Name: ICB01      Acquired: 8/14/2019 14:30:16      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |        |         |        |
|--------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961  | Ba4934 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00253 | -.00175 | -.00098 | -.00106 | .00141 | -.01640 | .00008 |
| Stddev | .00174 | .00132  | .00022  | .00219  | .00169 | .02216  | .00032 |
| %RSD   | 68.807 | 75.301  | 22.662  | 207.37  | 120.30 | 135.13  | 416.35 |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00125 | -.00191 | -.00073 | .00147  | .00203  | -.02994 | -.00028 |
| #2 | .00183 | -.00036 | -.00114 | -.00222 | .00270  | -.02844 | .00017  |
| #3 | .00451 | -.00297 | -.00107 | -.00242 | -.00051 | .00918  | .00033  |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00000 | -.00000 | -.00376 | -.00054 | -.00017 | -.00469 | -.00083 |
| Stddev | .00004  | .00014  | .00535  | .00045  | .00019  | .00041  | .00118  |
| %RSD   | 1498.6  | 155770. | 142.15  | 82.687  | 110.16  | 8.7857  | 142.96  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00000  | .00000  | -.00948 | -.00034 | -.00005 | -.00449 | .00003  |
| #2 | -.00005 | .00014  | -.00293 | -.00023 | -.00007 | -.00516 | -.00034 |
| #3 | .00003  | -.00014 | .00112  | -.00106 | -.00038 | -.00441 | -.00218 |

|        |         |         |        |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00005 | -.04616 | .00081 | -.00018 | -.01073 | -.00098 | -.00035 |
| Stddev | .00002  | .01068  | .00008 | .00093  | .01872  | .00055  | .00014  |
| %RSD   | 47.742  | 23.143  | 9.8049 | 513.14  | 174.50  | 55.789  | 40.465  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00004 | -.04690 | .00090 | -.00046 | .00561  | -.00107 | -.00028 |
| #2 | -.00003 | -.05645 | .00075 | -.00094 | -.00664 | -.00040 | -.00051 |
| #3 | -.00008 | -.03513 | .00078 | .00085  | -.03115 | -.00148 | -.00025 |

|        |         |         |         |         |        |         |        |
|--------|---------|---------|---------|---------|--------|---------|--------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00058 | -.00030 | -.01217 | -.00450 | .00024 | -.00117 | .00083 |
| Stddev | .03603  | .00023  | .02023  | .00295  | .00372 | .00191  | .00414 |
| %RSD   | 6179.8  | 76.425  | 166.26  | 65.626  | 1548.2 | 163.71  | 501.79 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .01942  | -.00019 | .00391  | -.00333 | .00364  | .00069  | -.00392 |
| #2 | -.04217 | -.00055 | -.00553 | -.00785 | .00081  | -.00313 | .00269  |
| #3 | .02100  | -.00014 | -.03489 | -.00231 | -.00373 | -.00107 | .00371  |

Sample Name: ICB01      Acquired: 8/14/2019 14:30:16      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |         |          |          |
|-----------|--------|--------|---------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg       | .00296 | -.0004 | .00003  | F<.00000 | F<.00000 |
| Stddev    | .00066 | .0015  | .00013  | .71890   | .90223   |
| %RSD      | 22.137 | 435.2  | 418.31  | 34.656   | 95.199   |
| #1        | .00225 | .0007  | -.00012 | -1.7866  | -.00920  |
| #2        | .00309 | -.0021 | .00010  | -1.5440  | -1.0254  |
| #3        | .00355 | .0003  | .00011  | -2.8926  | -1.8086  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2617.7 | 28751. | 2980.9  | 34.003   | 2662.8   |
| Stddev    | 11.5   | 34.    | 10.9    | .820     | 7.7      |
| %RSD      | .44120 | .11791 | .36466  | 2.4122   | .28814   |
| #1        | 2630.7 | 28734. | 2973.9  | 33.505   | 2670.2   |
| #2        | 2608.6 | 28730. | 2975.5  | 33.555   | 2654.9   |
| #3        | 2613.8 | 28791. | 2993.5  | 34.950   | 2663.4   |

Sample Name: CRI01      Acquired: 8/14/2019 14:34:45      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01986 | .04004 | .01285 | .02083 | .05559 | .11893 | .10617 |
| Stddev | .00032 | .00209 | .00140 | .00093 | .00229 | .02356 | .00022 |
| %RSD   | 1.5924 | 5.2179 | 10.897 | 4.4792 | 4.1220 | 19.814 | .20684 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01986 | .03779 | .01358 | .02171 | .05617 | .09307 | .10592 |
| #2 | .02017 | .04040 | .01124 | .01985 | .05306 | .12452 | .10635 |
| #3 | .01954 | .04192 | .01374 | .02092 | .05753 | .13920 | .10623 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00678 | .00622 | 2.1536 | .01044 | .03052 | .01615 | .11278 |
| Stddev | .00006 | .00004 | .0340  | .00045 | .00024 | .00047 | .00072 |
| %RSD   | .91672 | .56381 | 1.5767 | 4.3150 | .77736 | 2.8960 | .63632 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00673 | .00621 | 2.1187 | .01065 | .03051 | .01575 | .11197 |
| #2 | .00676 | .00626 | 2.1865 | .01075 | .03028 | .01604 | .11335 |
| #3 | .00685 | .00619 | 2.1557 | .00992 | .03075 | .01666 | .11301 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02330 | 2.1163 | .04290 | .01142 | 2.1393 | .04212 | .04188 |
| Stddev | .00005 | .0998  | .00013 | .00105 | .0230  | .00023 | .00030 |
| %RSD   | .23583 | 4.7143 | .29566 | 9.1745 | 1.0734 | .54118 | .71125 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02324 | 2.0287 | .04302 | .01134 | 2.1128 | .04230 | .04182 |
| #2 | .02333 | 2.0952 | .04277 | .01042 | 2.1521 | .04220 | .04221 |
| #3 | .02334 | 2.2249 | .04292 | .01251 | 2.1530 | .04186 | .04162 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.0653 | .20941 | .07217 | .01999 | .45550 | .03733 | .04130 |
| Stddev | .0746  | .00124 | .00539 | .00099 | .00702 | .00069 | .00120 |
| %RSD   | 3.6096 | .59343 | 7.4618 | 4.9374 | 1.5405 | 1.8473 | 2.9053 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.0879 | .20937 | .07763 | .02113 | .46140 | .03706 | .04240 |
| #2 | 1.9820 | .20819 | .07202 | .01950 | .45737 | .03811 | .04002 |
| #3 | 2.1259 | .21067 | .06686 | .01935 | .44774 | .03681 | .04149 |

Sample Name: CRI01      Acquired: 8/14/2019 14:34:45      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .01509 | .0205  | .02241 | F<.00000 | F .18930 |
| Stddev    | .00155 | .0018  | .00009 | .45314   | 1.3825   |
| %RSD      | 10.286 | 8.654  | .39339 | 72.207   | 730.36   |
| #1        | .01634 | .0204  | .02234 | -.32156  | .74346   |
| #2        | .01335 | .0223  | .02238 | -.41298  | 1.2088   |
| #3        | .01558 | .0188  | .02251 | -1.1481  | -1.3844  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2568.7 | 28297. | 2972.9 | 34.682   | 2616.3   |
| Stddev    | 13.0   | 31.    | 17.9   | 1.394    | 12.2     |
| %RSD      | .50582 | .11116 | .60287 | 4.0195   | .46718   |
| #1        | 2554.2 | 28300. | 2952.8 | 33.095   | 2606.1   |
| #2        | 2572.6 | 28327. | 2978.9 | 35.710   | 2612.9   |
| #3        | 2579.4 | 28264. | 2987.1 | 35.240   | 2629.8   |

Sample Name: ICSA01      Acquired: 8/14/2019 14:39:12      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00601 | .00222 | -.00951 | .00143 | .01387 | 276.63 | .00846 | .00104 |
| Stddev | .00234  | .00193 | .00064  | .00703 | .00189 | 1.39   | .00062 | .00011 |
| %RSD   | 38.989  | 86.999 | 6.7077  | 492.29 | 13.642 | .50115 | 7.3362 | 10.440 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00780 | .00220 | -.00878 | -.00669 | .01503 | 275.21 | .00915 | .00095 |
| #2 | -.00687 | .00415 | -.00985 | .00526  | .01490 | 277.98 | .00796 | .00102 |
| #3 | -.00336 | .00030 | -.00991 | .00571  | .01169 | 276.69 | .00827 | .00116 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00050 | 259.22 | .04889 | .00018 | -.00701 | 100.36 | .01545 | 279.00 |
| Stddev | .00018  | .83    | .00037 | .00015 | .00057  | .11    | .00005 | 1.05   |
| %RSD   | 36.609  | .31894 | .76597 | 83.490 | 8.1275  | .10792 | .30325 | .37523 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00033 | 259.40 | .04923 | .00019 | -.00734 | 100.27 | .01540 | 277.96 |
| #2 | -.00048 | 259.95 | .04894 | .00003 | -.00734 | 100.48 | .01546 | 278.99 |
| #3 | -.00069 | 258.32 | .04849 | .00032 | -.00635 | 100.33 | .01549 | 280.06 |

|        |         |        |        |        |         |         |         |         |
|--------|---------|--------|--------|--------|---------|---------|---------|---------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00696 | .00075 | .05205 | .00164 | -.01549 | -.03184 | -.00148 | -.00894 |
| Stddev | .00012  | .00074 | .01305 | .00123 | .00004  | .03754  | .00048  | .00780  |
| %RSD   | 1.7205  | 98.808 | 25.073 | 75.099 | .25111  | 117.91  | 32.092  | 87.256  |

|    |         |         |        |        |         |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|---------|
| #1 | -.00707 | .00134  | .04956 | .00025 | -.01547 | -.01404 | -.00102 | -.01442 |
| #2 | -.00698 | -.00008 | .04043 | .00208 | -.01547 | -.07497 | -.00146 | -.01239 |
| #3 | -.00683 | .00098  | .06617 | .00259 | -.01553 | -.00651 | -.00197 | -.00001 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01161 | -.00601 | .00153 | .00050 | .00996 | .0022  | .00411 | 3.7802 |
| Stddev | .01052  | .00360  | .00155 | .00340 | .00099 | .0036  | .00035 | .3853  |
| %RSD   | 90.667  | 59.952  | 101.67 | 676.33 | 9.9066 | 163.7  | 8.5333 | 10.193 |

|    |         |         |         |         |        |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|--------|
| #1 | -.00962 | -.00429 | .00178  | -.00342 | .00884 | .0025  | .00384 | 3.3370 |
| #2 | -.00222 | -.00358 | -.00014 | .00254  | .01037 | -.0016 | .00399 | 3.9675 |
| #3 | -.02298 | -.01015 | .00294  | .00239  | .01068 | .0056  | .00451 | 4.0360 |



Sample Name: ICSA01      Acquired: 8/14/2019 14:39:12      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      41.502  
 Stddev      2.261  
 %RSD      5.4482

#1      39.264  
 #2      43.785  
 #3      41.458

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2407.7 | 26706. | 2890.6 | 32.612 | 2187.6 |
| Stddev    | 4.7    | 26.    | 15.1   | .406   | 5.7    |
| %RSD      | .19607 | .09569 | .52291 | 1.2447 | .25926 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2409.2 | 26722. | 2875.6 | 32.416 | 2185.8 |
| #2 | 2402.4 | 26677. | 2890.3 | 33.079 | 2183.0 |
| #3 | 2411.5 | 26720. | 2905.8 | 32.342 | 2193.9 |

Sample Name: ICSAB01      Acquired: 8/14/2019 14:44:00      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .09688 | .10926 | .04140 | .05470 | .65304 | 270.10 | .55017 |
| Stddev | .00217 | .00203 | .00187 | .00332 | .00227 | .34    | .00030 |
| %RSD   | 2.2408 | 1.8577 | 4.5111 | 6.0776 | .34799 | .12724 | .05522 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .09697 | .11069 | .03995 | .05808 | .65060 | 269.80 | .55022 |
| #2 | .09900 | .11016 | .04075 | .05144 | .65342 | 270.47 | .55045 |
| #3 | .09466 | .10694 | .04351 | .05457 | .65509 | 270.02 | .54985 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54663 | 1.0429 | 254.85 | .55904 | .51424 | .48138 | 98.814 |
| Stddev | .00029 | .0064  | 2.18   | .00101 | .00045 | .00047 | .741   |
| %RSD   | .05215 | .61352 | .85570 | .18081 | .08799 | .09773 | .74984 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .54678 | 1.0487 | 252.34 | .55791 | .51450 | .48106 | 99.256 |
| #2 | .54630 | 1.0361 | 256.11 | .55935 | .51372 | .48192 | 99.227 |
| #3 | .54681 | 1.0441 | 256.12 | .55986 | .51450 | .48115 | 97.958 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .53126 | 271.39 | 1.0151 | .21230 | .03283 | .52842 | 1.0694 |
| Stddev | .00189 | .60    | .0016  | .00182 | .02610 | .00241 | .0068  |
| %RSD   | .35545 | .21990 | .15883 | .85789 | 79.504 | .45592 | .63887 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .53128 | 271.03 | 1.0132 | .21328 | .01892 | .52617 | 1.0759 |
| #2 | .53313 | 271.07 | 1.0162 | .21342 | .01663 | .53096 | 1.0623 |
| #3 | .52936 | 272.08 | 1.0158 | .21020 | .06294 | .52813 | 1.0699 |

|        |         |        |        |           |        |        |        |
|--------|---------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664  | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm     | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | -.04750 | 1.0560 | 1.0932 | F -.00986 | .99915 | 1.0947 | 1.0589 |
| Stddev | .09498  | .0028  | .0287  | .00355    | .00821 | .0069  | .0072  |
| %RSD   | 199.97  | .26506 | 2.6267 | 36.017    | .82143 | .62584 | .67936 |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.15661 | 1.0528 | 1.0671 | -.01329 | .99056 | 1.0904 | 1.0510 |
| #2 | .01664  | 1.0579 | 1.1240 | -.00619 | .99999 | 1.0912 | 1.0605 |
| #3 | -.00252 | 1.0573 | 1.0886 | -.01011 | 1.0069 | 1.1026 | 1.0651 |

Sample Name: ICSAB01      Acquired: 8/14/2019 14:44:00      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
 Comment:

|           |          |          |          |        |        |
|-----------|----------|----------|----------|--------|--------|
| Elem      | Li6707   | P_1774   | Sr4077   | U_3670 | U_3859 |
| Units     | ppm      | ppm      | ppm      | ppm    | ppm    |
| Avg       | F .00873 | F -.0009 | F .00258 | 4.2685 | 38.726 |
| Stddev    | .00188   | .0036    | .00111   | .1626  | 2.287  |
| %RSD      | 21.554   | 417.4    | 42.974   | 3.8099 | 5.9066 |
| #1        | .00668   | -.0037   | .00156   | 4.4008 | 36.174 |
| #2        | .00914   | .0032    | .00241   | 4.3177 | 40.590 |
| #3        | .01038   | -.0021   | .00376   | 4.0870 | 39.415 |
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | In2306 | In2306 |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S  | Cts/S  |
| Avg       | 2426.4   | 26958.   | 2894.8   | 32.494 | 2198.8 |
| Stddev    | 14.0     | 67.      | 13.6     | .338   | 17.2   |
| %RSD      | .57750   | .24812   | .46895   | 1.0408 | .78145 |
| #1        | 2410.7   | 26911.   | 2910.4   | 32.337 | 2181.5 |
| #2        | 2437.7   | 26927.   | 2886.4   | 32.882 | 2215.8 |
| #3        | 2430.9   | 27034.   | 2887.5   | 32.263 | 2199.0 |

Sample Name: CCV01      Acquired: 8/14/2019 14:48:26      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0825 | 5.0524 | 5.0145 | 5.0816 | 5.0607 | 10.006 | 10.208 | .25648   |
| Stddev | .0097  | .0084  | .0078  | .0339  | .0114  | .070   | .027   | .00047   |
| %RSD   | .19101 | .16571 | .15638 | .66760 | .22471 | .70403 | .26869 | .18134   |
| #1     | 5.0713 | 5.0447 | 5.0062 | 5.0491 | 5.0479 | 9.9245 | 10.177 | .25625   |
| #2     | 5.0889 | 5.0613 | 5.0154 | 5.1168 | 5.0644 | 10.046 | 10.229 | .25701   |
| #3     | 5.0873 | 5.0512 | 5.0218 | 5.0791 | 5.0697 | 10.047 | 10.218 | .25617   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5040 | 25.338 | 1.0067 | 2.5125 | 1.2595 | 5.1160 | 2.5593 | 25.493   |
| Stddev | .0047  | .119   | .0019  | .0055  | .0034  | .0062  | .0025  | .149     |
| %RSD   | .18611 | .47105 | .19188 | .21675 | .26599 | .12138 | .09635 | .58300   |
| #1     | 2.4994 | 25.264 | 1.0046 | 2.5062 | 1.2572 | 5.1188 | 2.5572 | 25.322   |
| #2     | 2.5087 | 25.475 | 1.0084 | 2.5161 | 1.2580 | 5.1089 | 2.5620 | 25.591   |
| #3     | 2.5039 | 25.274 | 1.0070 | 2.5152 | 1.2634 | 5.1203 | 2.5587 | 25.566   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5106 | 1.2522 | 25.370 | 2.5413 | 2.5027 | 25.143 | 5.0613 | 4.9948   |
| Stddev | .0036  | .0021  | .080   | .0070  | .0054  | .059   | .0118  | .0100    |
| %RSD   | .14414 | .16408 | .31411 | .27474 | .21549 | .23542 | .23278 | .19933   |
| #1     | 2.5066 | 1.2505 | 25.280 | 2.5485 | 2.4965 | 25.202 | 5.0477 | 4.9833   |
| #2     | 2.5137 | 1.2545 | 25.400 | 2.5407 | 2.5052 | 25.084 | 5.0688 | 5.0005   |
| #3     | 2.5116 | 1.2516 | 25.430 | 2.5346 | 2.5063 | 25.143 | 5.0675 | 5.0006   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9794 | 4.9580 | 5.0191 | 5.0462 | 4.9994 | 4.958  | 5.0746 | F 3.4383 |
| Stddev | .0151  | .0191  | .0092  | .0147  | .0237  | .013   | .0186  | .6308    |
| %RSD   | .30305 | .38487 | .18367 | .29031 | .47378 | .2670  | .36692 | 18.347   |
| #1     | 4.9626 | 4.9558 | 5.0145 | 5.0320 | 5.0088 | 4.946  | 5.0874 | 4.1169   |
| #2     | 4.9840 | 4.9780 | 5.0297 | 5.0612 | 5.0170 | 4.972  | 5.0832 | 2.8697   |
| #3     | 4.9917 | 4.9401 | 5.0130 | 5.0454 | 4.9725 | 4.954  | 5.0532 | 3.3284   |

Sample Name: CCV01      Acquired: 8/14/2019 14:48:26      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F .45172  
 Stddev      1.7090  
 %RSD      378.32

#1      .77172  
 #2      -1.3946  
 #3      1.9781

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2527.7 | 28071. | 2970.6 | 35.055 | 2395.5 |
| Stddev    | 5.5    | 26.    | 12.5   | .623   | 6.0    |
| %RSD      | .21813 | .09111 | .42006 | 1.7758 | .24905 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2533.8 | 28088. | 2959.0 | 35.060 | 2401.2 |
| #2 | 2523.0 | 28084. | 2969.1 | 34.430 | 2389.3 |
| #3 | 2526.2 | 28042. | 2983.8 | 35.675 | 2396.1 |

Sample Name: LLCCV01      Acquired: 8/14/2019 14:52:26      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02256 | .04290 | .01287 | .01764 | .05811 | .09078 | .10601 |
| Stddev | .00284 | .00060 | .00179 | .00493 | .00084 | .02151 | .00146 |
| %RSD   | 12.594 | 1.3880 | 13.890 | 27.933 | 1.4417 | 23.691 | 1.3815 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01956 | .04358 | .01156 | .01953 | .05852 | .09310 | .10724 |
| #2 | .02292 | .04266 | .01491 | .01205 | .05715 | .06821 | .10439 |
| #3 | .02520 | .04247 | .01215 | .02134 | .05868 | .11103 | .10639 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00682 | .00624 | 2.1491 | .01029 | .03082 | .01685 | .11331 |
| Stddev | .00007 | .00009 | .0416  | .00041 | .00032 | .00105 | .00077 |
| %RSD   | 1.0992 | 1.4290 | 1.9349 | 3.9387 | 1.0247 | 6.2462 | .67539 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00676 | .00632 | 2.1971 | .00999 | .03067 | .01747 | .11275 |
| #2 | .00691 | .00626 | 2.1238 | .01075 | .03061 | .01564 | .11418 |
| #3 | .00680 | .00614 | 2.1264 | .01012 | .03119 | .01745 | .11300 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02333 | 2.1519 | .04270 | .00924 | 2.1597 | .04195 | .04405 |
| Stddev | .00015 | .0583  | .00049 | .00088 | .0232  | .00068 | .00009 |
| %RSD   | .66121 | 2.7067 | 1.1469 | 9.5016 | 1.0756 | 1.6246 | .19790 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02345 | 2.1449 | .04253 | .00949 | 2.1801 | .04263 | .04414 |
| #2 | .02338 | 2.0975 | .04325 | .00827 | 2.1344 | .04196 | .04396 |
| #3 | .02315 | 2.2133 | .04231 | .00997 | 2.1647 | .04127 | .04405 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 2.0748 | .21081 | .09691 | .02041 | F .54830 | .03873 | .04381 |
| Stddev | .0597  | .00015 | .02859 | .00423 | .00271   | .00133 | .00600 |
| %RSD   | 2.8761 | .07206 | 29.497 | 20.745 | .49357   | 3.4333 | 13.696 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.1416 | .21096 | .10128 | .02291 | .54616 | .03756 | .03750 |
| #2 | 2.0560 | .21081 | .12307 | .01552 | .54741 | .03847 | .04448 |
| #3 | 2.0267 | .21066 | .06640 | .02279 | .55134 | .04018 | .04944 |

Sample Name: LLCCV01      Acquired: 8/14/2019 14:52:26      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .01620 | .0209  | .02259 | F<.00000 | F<.00000 |
| Stddev    | .00080 | .0028  | .00019 | .71566   | 2.8378   |
| %RSD      | 4.9171 | 13.33  | .84865 | 1530.9   | 321.01   |
| #1        | .01609 | .0209  | .02246 | -.27202  | -4.1604  |
| #2        | .01705 | .0181  | .02281 | -.62267  | .70628   |
| #3        | .01546 | .0236  | .02250 | .75444   | .80205   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2580.3 | 28418. | 2986.3 | 34.817   | 2614.2   |
| Stddev    | 19.9   | 105.   | 20.7   | .964     | 16.1     |
| %RSD      | .77080 | .36894 | .69443 | 2.7678   | .61407   |
| #1        | 2602.9 | 28298. | 3007.4 | 34.140   | 2632.7   |
| #2        | 2572.5 | 28467. | 2966.0 | 34.390   | 2604.3   |
| #3        | 2565.5 | 28489. | 2985.4 | 35.920   | 2605.6   |

Sample Name: CCB01      Acquired: 8/14/2019 14:56:54      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00176 | .00113 | -.00065 | .00049 | .00191 | .00200 | .00041 |
| Stddev | .00224 | .00089 | .00067  | .00242 | .00035 | .01260 | .00030 |
| %RSD   | 127.23 | 79.221 | 103.24  | 492.59 | 18.506 | 630.72 | 72.121 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.00047 | .00018 | .00012  | -.00146 | .00191 | -.00602 | .00035 |
| #2 | .00175  | .00196 | -.00113 | -.00026 | .00227 | .01652  | .00015 |
| #3 | .00400  | .00124 | -.00093 | .00320  | .00156 | -.00450 | .00074 |

|        |        |        |         |         |        |         |         |
|--------|--------|--------|---------|---------|--------|---------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00003 | .00001 | -.00739 | -.00003 | .00015 | -.00509 | -.00064 |
| Stddev | .00006 | .00012 | .00370  | .00022  | .00037 | .00027  | .00092  |
| %RSD   | 213.67 | 1148.0 | 50.096  | 640.59  | 254.06 | 5.2244  | 142.57  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00004 | .00014  | -.00312 | -.00026 | .00018  | -.00531 | -.00020 |
| #2 | .00005  | -.00003 | -.00926 | .00018  | -.00024 | -.00480 | -.00004 |
| #3 | .00008  | -.00008 | -.00978 | -.00003 | .00051  | -.00516 | -.00170 |

|        |         |         |        |         |        |         |         |
|--------|---------|---------|--------|---------|--------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00005 | -.06443 | .00095 | -.00186 | .00070 | -.00062 | -.00024 |
| Stddev | .00011  | .09445  | .00056 | .00136  | .00506 | .00022  | .00019  |
| %RSD   | 230.49  | 146.60  | 58.778 | 73.168  | 722.55 | 36.037  | 75.864  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00001 | -.01505 | .00033 | -.00097 | -.00479 | -.00067 | -.00004 |
| #2 | .00004  | -.00490 | .00141 | -.00342 | .00519  | -.00038 | -.00040 |
| #3 | -.00017 | -.17333 | .00113 | -.00119 | .00171  | -.00082 | -.00029 |

|        |         |        |         |         |         |         |         |
|--------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | K_7664  | Mo2020 | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.05776 | .00036 | -.02675 | -.00353 | -.00017 | -.00190 | -.00102 |
| Stddev | .04656  | .00012 | .02152  | .00348  | .00237  | .00064  | .00146  |
| %RSD   | 80.605  | 34.354 | 80.474  | 98.648  | 1374.9  | 33.949  | 143.76  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.01916 | .00048 | -.03454 | -.00735 | .00025  | -.00254 | -.00129 |
| #2 | -.10947 | .00023 | -.00241 | -.00053 | -.00272 | -.00189 | .00056  |
| #3 | -.04466 | .00038 | -.04329 | -.00272 | .00195  | -.00125 | -.00232 |



Sample Name: CCB01      Acquired: 8/14/2019 14:56:54      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |         |          |          |
|-----------|--------|--------|---------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg       | .00269 | -.0000 | .00003  | F<.00000 | F<.00000 |
| Stddev    | .00040 | .0005  | .00007  | .56483   | 2.3602   |
| %RSD      | 14.909 | 2762.  | 216.68  | 256.60   | 67.816   |
| #1        | .00278 | .0002  | .00008  | -.24635  | -.78277  |
| #2        | .00304 | .0003  | -.00005 | -.77138  | -5.1653  |
| #3        | .00225 | -.0006 | .00007  | .35736   | -4.4926  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2604.8 | 28737. | 2999.1  | 35.385   | 2644.0   |
| Stddev    | 4.0    | 54.    | 27.6    | .566     | 2.9      |
| %RSD      | .15405 | .18830 | .92008  | 1.5997   | .10890   |
| #1        | 2602.8 | 28799. | 2967.5  | 35.180   | 2643.9   |
| #2        | 2609.4 | 28706. | 3011.7  | 34.950   | 2646.9   |
| #3        | 2602.2 | 28705. | 3018.2  | 36.025   | 2641.1   |

Sample Name: LR CHECK 1      Acquired: 8/14/2019 15:01:19      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | -.18878 | -.01640 | -.11695 | -.23988 | .10704 | 1866.8 | .01128 | .01917 |
| Stddev | .00398  | .00600  | .00479  | .00724  | .00324 | 8.2    | .00048 | .00004 |
| %RSD   | 2.1076  | 36.572  | 4.0932  | 3.0165  | 3.0233 | .44113 | 4.2135 | .19114 |

|    |         |         |         |         |        |        |        |        |
|----|---------|---------|---------|---------|--------|--------|--------|--------|
| #1 | -.19174 | -.01692 | -.12243 | -.24032 | .10775 | 1874.2 | .01183 | .01913 |
| #2 | -.18425 | -.02213 | -.11359 | -.24688 | .10351 | 1857.9 | .01094 | .01919 |
| #3 | -.19034 | -.01017 | -.11483 | -.23243 | .10987 | 1868.2 | .01108 | .01919 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .09723 | 1668.1 | -.02473 | .08786 | 1.5026 | 982.32 | .00191 | 1888.0 |
| Stddev | .00091 | 2.7    | .00068  | .00038 | .0053  | 4.07   | .00046 | 7.8    |
| %RSD   | .93165 | .16319 | 2.7361  | .43115 | .35499 | .41394 | 23.952 | .41265 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .09706 | 1666.6 | -.02396 | .08824 | 1.5082 | 985.39 | .00218 | 1893.0 |
| #2 | .09821 | 1666.4 | -.02521 | .08748 | 1.5021 | 977.71 | .00138 | 1879.0 |
| #3 | .09643 | 1671.2 | -.02504 | .08786 | 1.4975 | 983.86 | .00217 | 1891.9 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .09972 | -.11850 | 1922.6 | .01234 | .12211 | 1082.4 | -.01438 | -.78441 |
| Stddev | .00094 | .00112  | 4.5    | .00053 | .00161 | 3.4    | .00106  | .03567  |
| %RSD   | .94383 | .94156  | .23441 | 4.2665 | 1.3173 | .31007 | 7.3791  | 4.5470  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .10073 | -.11979 | 1927.7 | .01189 | .12266 | 1086.2 | -.01560 | -.82353 |
| #2 | .09887 | -.11790 | 1920.8 | .01292 | .12338 | 1079.9 | -.01367 | -.77599 |
| #3 | .09955 | -.11782 | 1919.3 | .01220 | .12030 | 1081.1 | -.01387 | -.75371 |

|        |        |         |        |         |        |        |         |         |
|--------|--------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .23803 | -.00341 | .02099 | -.05113 | .04392 | .0595  | -1.0655 | <.00000 |
| Stddev | .02086 | .00057  | .00124 | .00272  | .00166 | .0026  | .0044   | 1.1169  |
| %RSD   | 8.7621 | 16.763  | 5.9010 | 5.3134  | 3.7873 | 4.390  | .40976  | 5.2366  |

|    |        |         |        |         |        |       |         |         |
|----|--------|---------|--------|---------|--------|-------|---------|---------|
| #1 | .22650 | -.00293 | .02108 | -.04956 | .04298 | .0577 | -1.0689 | -21.956 |
| #2 | .22548 | -.00326 | .01971 | -.05427 | .04584 | .0583 | -1.0606 | -20.040 |
| #3 | .26210 | -.00405 | .02218 | -.04956 | .04294 | .0625 | -1.0670 | -21.991 |

Sample Name: LR CHECK 1      Acquired: 8/14/2019 15:01:19      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1040.1  
 Stddev      8.6  
 %RSD      .82529

#1      1045.7  
 #2      1044.4  
 #3      1030.3

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1995.1 | 22514. | 2619.3 | 25.220 | 1442.4 |
| Stddev    | 11.0   | 94.    | 4.0    | 2.194  | 10.6   |
| %RSD      | .55078 | .41599 | .15210 | 8.6979 | .73537 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 1986.4 | 22410. | 2615.1 | 22.947 | 1435.2 |
| #2 | 1991.4 | 22593. | 2623.1 | 27.325 | 1437.5 |
| #3 | 2007.5 | 22539. | 2619.8 | 25.389 | 1454.6 |

Sample Name: LR CHECK 2      Acquired: 8/14/2019 15:06:17      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |         |        |         |
|--------|--------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00176 | -.01608 | 264.50 | .03460 | -.01984 | -.16406 | 99.904 | -.00018 |
| Stddev | .00268 | .00142  | 1.76   | .00280 | .00416  | .00216  | .885   | .00003  |
| %RSD   | 152.07 | 8.8295  | .66608 | 8.1014 | 20.967  | 1.3163  | .88570 | 15.326  |

|    |         |         |        |        |         |         |        |         |
|----|---------|---------|--------|--------|---------|---------|--------|---------|
| #1 | .00375  | -.01602 | 263.15 | .03340 | -.02459 | -.16496 | 99.427 | -.00018 |
| #2 | .00282  | -.01753 | 263.86 | .03781 | -.01813 | -.16562 | 100.93 | -.00015 |
| #3 | -.00128 | -.01470 | 266.49 | .03260 | -.01682 | -.16159 | 99.360 | -.00021 |

|        |         |        |         |        |        |         |        |        |
|--------|---------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00411 | .62034 | -.11963 | .00184 | 265.85 | -.76287 | 47.896 | .24315 |
| Stddev | .00008  | .02318 | .00071  | .00033 | 2.77   | .00793  | .533   | .04399 |
| %RSD   | 1.8660  | 3.7362 | .59015  | 17.695 | 1.0430 | 1.0396  | 1.1127 | 18.091 |

|    |         |        |         |        |        |         |        |        |
|----|---------|--------|---------|--------|--------|---------|--------|--------|
| #1 | -.00406 | .60713 | -.11913 | .00151 | 265.09 | -.75850 | 48.266 | .29359 |
| #2 | -.00407 | .60678 | -.11933 | .00216 | 263.54 | -.75808 | 48.136 | .21274 |
| #3 | -.00420 | .64710 | -.12044 | .00185 | 268.92 | -.77202 | 47.285 | .22313 |

|        |        |        |        |         |        |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | 53.073 | .00909 | 1.4380 | -.13425 | 37.975 | 1.0881 | .03151 | -.01580 |
| Stddev | .384   | .00052 | .0531  | .00061  | .165   | .0570  | .00065 | .01906  |
| %RSD   | .72344 | 5.6850 | 3.6940 | .45201  | .43485 | 5.2357 | 2.0640 | 120.63  |

|    |        |        |        |         |        |        |        |         |
|----|--------|--------|--------|---------|--------|--------|--------|---------|
| #1 | 52.760 | .00943 | 1.4781 | -.13375 | 37.859 | 1.1116 | .03140 | -.00521 |
| #2 | 52.959 | .00849 | 1.4580 | -.13493 | 37.901 | 1.1295 | .03092 | -.03781 |
| #3 | 53.502 | .00934 | 1.3777 | -.13408 | 38.164 | 1.0231 | .03220 | -.00439 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .08234 | .06063 | .00467 | .03124 | .00931 | .1143  | .00503 | 3.1088 |
| Stddev | .00550 | .00187 | .00092 | .00186 | .00199 | .0023  | .00013 | 1.0077 |
| %RSD   | 6.6815 | 3.0911 | 19.649 | 5.9411 | 21.408 | 2.018  | 2.5527 | 32.415 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .07927 | .06239 | .00492 | .02914 | .00761 | .1138 | .00492 | 4.1636 |
| #2 | .07905 | .06085 | .00544 | .03265 | .01150 | .1123 | .00517 | 3.0068 |
| #3 | .08869 | .05866 | .00365 | .03193 | .00882 | .1168 | .00501 | 2.1559 |

Sample Name: LR CHECK 2      Acquired: 8/14/2019 15:06:17      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .77753  
Stddev      1.4338  
%RSD      184.40

#1      -.46399  
#2      .44975  
#3      2.3468

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2381.4 | 29314. | 2997.3 | 33.228 | 2478.6 |
| Stddev    | 4.9    | 147.   | 7.2    | .612   | 6.8    |
| %RSD      | .20458 | .50189 | .23938 | 1.8405 | .27581 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2384.7 | 29257. | 3001.0 | 32.560 | 2482.4 |
| #2 | 2383.7 | 29204. | 2989.0 | 33.760 | 2482.8 |
| #3 | 2375.8 | 29481. | 3001.9 | 33.365 | 2470.8 |

Sample Name: K4140-24DLX50      Acquired: 8/14/2019 15:10:36      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00401 | -.00139 | .04574 | -.00538 | -.00479 | .28418 | .03240 |
| Stddev | .00204 | .00058  | .00436 | .00363  | .00153  | .01114 | .00090 |
| %RSD   | 50.910 | 42.175  | 9.5235 | 67.509  | 32.028  | 3.9213 | 2.7882 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00549 | -.00206 | .04568 | -.00937 | -.00427 | .28558 | .03275 |
| #2 | .00486 | -.00113 | .05012 | -.00452 | -.00359 | .27240 | .03308 |
| #3 | .00168 | -.00098 | .04141 | -.00226 | -.00652 | .29455 | .03137 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00004 | .00155 | .04118 | 1.3240 | .00149 | 1.3027 | .16758 |
| Stddev | .00012  | .00010 | .04089 | .0034  | .00033 | .0010  | .00216 |
| %RSD   | 290.52  | 6.2924 | 99.290 | .25979 | 22.233 | .07751 | 1.2914 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00009  | .00144 | .00031 | 1.3201 | .00166 | 1.3015 | .16536 |
| #2 | -.00009 | .00160 | .04115 | 1.3255 | .00111 | 1.3030 | .16771 |
| #3 | -.00013 | .00162 | .08208 | 1.3265 | .00171 | 1.3035 | .16968 |

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00128 | -.01172 | .50238 | -.00197 | .45731 | .00122 | .19767 |
| Stddev | .00004 | .03950  | .00228 | .00046  | .01010 | .00099 | .00044 |
| %RSD   | 3.2771 | 337.20  | .45339 | 23.336  | 2.2087 | 81.080 | .22511 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00133 | .00686  | .50365 | -.00225 | .45835 | .00013 | .19805 |
| #2 | .00125 | -.05708 | .50375 | -.00222 | .46684 | .00147 | .19777 |
| #3 | .00125 | .01508  | .49975 | -.00144 | .44672 | .00207 | .19718 |

|        |        |        |         |        |        |         |        |
|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .36640 | .00007 | -.01166 | .27518 | .01554 | -.00173 | .00619 |
| Stddev | .00980 | .00008 | .01131  | .00467 | .00097 | .00066  | .00292 |
| %RSD   | 2.6750 | 115.88 | 97.013  | 1.6964 | 6.2309 | 38.474  | 47.204 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | .35514 | -.00001 | -.00840 | .27038 | .01475 | -.00249 | .00953 |
| #2 | .37100 | .00006  | -.00234 | .27546 | .01662 | -.00130 | .00410 |
| #3 | .37304 | .00014  | -.02424 | .27970 | .01527 | -.00138 | .00494 |

Sample Name: K4140-24DLX50      Acquired: 8/14/2019 15:10:36      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00596 | .0497  | .00067 | <.00000 | F<.00000 |
| Stddev    | .00131 | .0006  | .00002 | .27904  | 2.5684   |
| %RSD      | 22.055 | 1.132  | 2.4120 | 29.550  | 143.15   |
| #1        | .00478 | .0503  | .00066 | -.85692 | .08615   |
| #2        | .00573 | .0496  | .00065 | -.71945 | -4.7206  |
| #3        | .00738 | .0492  | .00068 | -1.2566 | -.74828  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2628.9 | 28789. | 3014.8 | 35.393  | 2682.6   |
| Stddev    | 5.4    | 44.    | 8.3    | 1.673   | 7.4      |
| %RSD      | .20446 | .15114 | .27562 | 4.7281  | .27418   |
| #1        | 2624.1 | 28795. | 3005.9 | 33.465  | 2675.1   |
| #2        | 2627.9 | 28742. | 3016.2 | 36.465  | 2682.7   |
| #3        | 2634.7 | 28829. | 3022.3 | 36.250  | 2689.8   |

Sample Name: K4140-24DUPDLX50      Acquired: 8/14/2019 15:15:00      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00088 | -.00183 | .03471 | -.00091 | -.00551 | .28789 | .03069 | .00006 |
| Stddev | .00429 | .00166  | .00076 | .00142  | .00112  | .00982 | .00019 | .00009 |
| %RSD   | 489.73 | 91.012  | 2.1970 | 156.02  | 20.281  | 3.4122 | .61077 | 164.82 |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | .00199  | .00001  | .03504 | .00068  | -.00630 | .29859 | .03088 | -.00002 |
| #2 | -.00386 | -.00324 | .03384 | -.00205 | -.00423 | .28581 | .03051 | .00016  |
| #3 | .00450  | -.00225 | .03526 | -.00137 | -.00600 | .27928 | .03068 | .00003  |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00165 | .07229 | 1.3271 | .00138 | 1.3124 | .16852 | .00081 | -.00960 |
| Stddev | .00003 | .00672 | .0033  | .00005 | .0021  | .00101 | .00011 | .03912  |
| %RSD   | 1.5879 | 9.3027 | .25103 | 3.5416 | .15798 | .59791 | 13.657 | 407.71  |

|    |        |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|--------|---------|
| #1 | .00165 | .06490 | 1.3292 | .00136 | 1.3105 | .16799 | .00080 | -.03848 |
| #2 | .00168 | .07805 | 1.3233 | .00143 | 1.3146 | .16968 | .00070 | -.02524 |
| #3 | .00163 | .07392 | 1.3289 | .00134 | 1.3122 | .16788 | .00092 | .03493  |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .50724 | -.00195 | .27576 | .00123 | .19795 | .15344 | -.00031 | -.02853 |
| Stddev | .00112 | .00066  | .01328 | .00028 | .00059 | .02082 | .00033  | .00265  |
| %RSD   | .22035 | 34.089  | 4.8157 | 23.122 | .29818 | 13.566 | 106.28  | 9.2868  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .50851 | -.00140 | .29083 | .00136 | .19819 | .14821 | -.00046 | -.03009 |
| #2 | .50641 | -.00176 | .26576 | .00090 | .19837 | .17638 | .00007  | -.02547 |
| #3 | .50680 | -.00269 | .27069 | .00142 | .19727 | .13574 | -.00055 | -.03003 |

|        |        |        |         |        |        |        |        |         |
|--------|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .27525 | .01711 | -.00160 | .00364 | .00589 | .0510  | .00074 | <.00000 |
| Stddev | .00886 | .00394 | .00046  | .00303 | .00147 | .0015  | .00014 | .63609  |
| %RSD   | 3.2205 | 23.039 | 28.559  | 83.270 | 24.968 | 2.999  | 19.230 | 87.115  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | .28546 | .02100 | -.00144 | .00457 | .00561 | .0495 | .00081 | -.08063 |
| #2 | .26949 | .01721 | -.00125 | .00025 | .00459 | .0525 | .00083 | -.75800 |
| #3 | .27080 | .01312 | -.00212 | .00610 | .00749 | .0511 | .00058 | -1.3519 |



Sample Name: K4140-24DUPDLX50      Acquired: 8/14/2019 15:15:00      Type: Unk  
 Method: P4-ICP2(v33338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.0910  
 Stddev      2.0621  
 %RSD      189.02

#1      .14096  
 #2      3.4569  
 #3      -.32495

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2633.1 | 29081. | 3025.5 | 35.425 | 2687.6 |
| Stddev    | 3.1    | 116.   | 13.8   | .650   | 6.6    |
| %RSD      | .11926 | .39820 | .45541 | 1.8355 | .24697 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2631.6 | 28949. | 3010.3 | 34.675 | 2684.0 |
| #2 | 2631.0 | 29130. | 3029.0 | 35.830 | 2683.5 |
| #3 | 2636.7 | 29164. | 3037.1 | 35.770 | 2695.2 |

Sample Name: K4140-24LDLX250      Acquired: 8/14/2019 15:19:22      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00114 | -.00069 | .01384 | -.00045 | -.00127 | .05497 | .00645 |
| Stddev | .00211  | .00073  | .00057 | .00285  | .00136  | .01155 | .00025 |
| %RSD   | 183.98  | 105.24  | 4.1110 | 636.04  | 106.94  | 21.016 | 3.8060 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00323 | -.00058 | .01345 | .00212  | -.00016 | .06013 | .00661 |
| #2 | .00098  | -.00146 | .01449 | -.00352 | -.00087 | .04173 | .00656 |
| #3 | -.00119 | -.00002 | .01358 | .00006  | -.00279 | .06303 | .00616 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00001 | .00039 | .00478 | .26935 | .00003 | .26508 | .03376 |
| Stddev | .00006  | .00006 | .00232 | .00088 | .00007 | .00111 | .00151 |
| %RSD   | 565.31  | 15.883 | 48.463 | .32627 | 255.06 | .41927 | 4.4737 |

|    |         |        |        |        |         |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|
| #1 | .00004  | .00037 | .00233 | .27012 | -.00004 | .26615 | .03427 |
| #2 | -.00008 | .00034 | .00506 | .26839 | .00002  | .26516 | .03495 |
| #3 | .00001  | .00046 | .00694 | .26955 | .00011  | .26393 | .03206 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00013 | .04706 | .10299 | -.00199 | .17136 | -.00018 | .04074 |
| Stddev | .00005 | .00890 | .00021 | .00023  | .01668 | .00067  | .00021 |
| %RSD   | 42.687 | 18.921 | .20637 | 11.727  | 9.7323 | 373.80  | .51778 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00017 | .05734 | .10294 | -.00184 | .18516 | -.00091 | .04068 |
| #2 | .00015 | .04212 | .10281 | -.00226 | .17610 | .00039  | .04097 |
| #3 | .00007 | .04172 | .10322 | -.00187 | .15283 | -.00002 | .04057 |

|        |        |         |         |        |        |         |        |
|--------|--------|---------|---------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .10787 | -.00020 | -.03668 | .05467 | .00238 | -.00186 | .00227 |
| Stddev | .02559 | .00008  | .02143  | .00302 | .00160 | .00057  | .00152 |
| %RSD   | 23.720 | 38.583  | 58.417  | 5.5257 | 67.420 | 30.746  | 66.806 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | .12920 | -.00025 | -.04177 | .05172 | .00203 | -.00218 | .00258 |
| #2 | .11491 | -.00011 | -.05510 | .05451 | .00097 | -.00120 | .00062 |
| #3 | .07950 | -.00025 | -.01316 | .05776 | .00413 | -.00220 | .00361 |

Sample Name: K4140-24LDLX250      Acquired: 8/14/2019 15:19:22      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |         |         |          |
|-----------|--------|--------|---------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg       | .00459 | .0084  | .00003  | <.00000 | F<.00000 |
| Stddev    | .00044 | .0009  | .00004  | .63886  | 2.0012   |
| %RSD      | 9.5118 | 10.68  | 125.66  | 75.811  | 53.263   |
| #1        | .00424 | .0092  | .00002  | -1.3732 | -3.8276  |
| #2        | .00508 | .0085  | -.00000 | -.13352 | -1.7217  |
| #3        | .00447 | .0074  | .00007  | -1.0214 | -5.7222  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 2616.7 | 28851. | 3019.0  | 34.648  | 2648.9   |
| Stddev    | 3.8    | 46.    | 8.2     | 1.057   | 1.1      |
| %RSD      | .14390 | .15777 | .27033  | 3.0501  | .04178   |
| #1        | 2619.9 | 28825. | 3009.7  | 34.280  | 2647.9   |
| #2        | 2612.5 | 28904. | 3024.8  | 33.825  | 2648.7   |
| #3        | 2617.6 | 28825. | 3022.5  | 35.840  | 2650.1   |

Sample Name: K4140-43DLX50      Acquired: 8/14/2019 15:23:46      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01524 | .03575 | .04841 | .03659 | .00491 | .33512 | .03266 |
| Stddev | .00146 | .00186 | .00106 | .00221 | .00159 | .01209 | .00049 |
| %RSD   | 9.6110 | 5.1952 | 2.1987 | 6.0391 | 32.355 | 3.6078 | 1.5014 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01693 | .03741 | .04880 | .03435 | .00674 | .34377 | .03226 |
| #2 | .01434 | .03610 | .04923 | .03664 | .00386 | .34030 | .03321 |
| #3 | .01445 | .03374 | .04721 | .03877 | .00413 | .32131 | .03252 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00369 | .00520 | .06154 | 1.3159 | .00533 | 1.2926 | .22738 |
| Stddev | .00004 | .00004 | .02145 | .0042  | .00026 | .0065  | .00121 |
| %RSD   | 1.1630 | .72139 | 34.853 | .32199 | 4.9603 | .50037 | .53398 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00364 | .00524 | .06311 | 1.3116 | .00558 | 1.2931 | .22599 |
| #2 | .00373 | .00518 | .03936 | 1.3159 | .00506 | 1.2859 | .22826 |
| #3 | .00370 | .00518 | .08217 | 1.3201 | .00534 | 1.2988 | .22788 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00457 | .05193 | .49949 | -.00061 | .20679 | .00643 | .19465 |
| Stddev | .00011 | .07197 | .00065 | .00049  | .00936 | .00054 | .00046 |
| %RSD   | 2.4780 | 138.59 | .13053 | 80.014  | 4.5256 | 8.4690 | .23800 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00459 | .07069  | .50024 | -.00005 | .20263 | .00630 | .19432 |
| #2 | .00444 | .11266  | .49905 | -.00082 | .20023 | .00595 | .19446 |
| #3 | .00466 | -.02756 | .49918 | -.00095 | .21751 | .00702 | .19518 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23291 | .00647 | -.02596 | .27619 | .03084 | .00939 | .00859 |
| Stddev | .01214 | .00016 | .02605  | .00135 | .00454 | .00127 | .00083 |
| %RSD   | 5.2106 | 2.4005 | 100.38  | .48987 | 14.733 | 13.507 | 9.6245 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | .24477 | .00659 | -.02798 | .27645 | .03338 | .01016 | .00814 |
| #2 | .23343 | .00652 | -.05094 | .27740 | .02560 | .01008 | .00807 |
| #3 | .22052 | .00629 | .00105  | .27473 | .03355 | .00793 | .00954 |

Sample Name: K4140-43DLX50      Acquired: 8/14/2019 15:23:46      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00605 | .1499  | .00436 | .55245 | F<.00000 |
| Stddev    | .00110 | .0012  | .00003 | .33453 | 1.0081   |
| %RSD      | 18.089 | .8254  | .79397 | 60.554 | 45.441   |
| #1        | .00479 | .1492  | .00432 | .92871 | -2.8360  |
| #2        | .00675 | .1491  | .00438 | .28862 | -1.0552  |
| #3        | .00663 | .1513  | .00438 | .44002 | -2.7641  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 2623.1 | 29087. | 3035.4 | 35.075 | 2673.7   |
| Stddev    | 1.8    | 53.    | 20.7   | 1.190  | 1.7      |
| %RSD      | .07032 | .18380 | .68131 | 3.3926 | .06334   |
| #1        | 2624.5 | 29086. | 3013.3 | 35.950 | 2673.4   |
| #2        | 2621.0 | 29034. | 3054.2 | 33.720 | 2672.1   |
| #3        | 2623.9 | 29141. | 3038.9 | 35.555 | 2675.5   |

Sample Name: K4140-44DLX50      Acquired: 8/14/2019 15:28:07      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01810 | .03827 | .04898 | .03864 | .00526 | .36656 | .03545 |
| Stddev | .00186 | .00194 | .00034 | .00358 | .00143 | .00624 | .00032 |
| %RSD   | 10.259 | 5.0787 | .68821 | 9.2719 | 27.261 | 1.7025 | .89344 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01794 | .03611 | .04912 | .03611 | .00529 | .37362 | .03551 |
| #2 | .02003 | .03884 | .04922 | .04274 | .00668 | .36177 | .03572 |
| #3 | .01633 | .03987 | .04860 | .03707 | .00381 | .36430 | .03510 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00384 | .00559 | .07185 | 1.3993 | .00547 | 1.3830 | .24190 |
| Stddev | .00004 | .00011 | .01950 | .0028  | .00024 | .0014  | .00130 |
| %RSD   | 1.0644 | 2.0019 | 27.144 | .19773 | 4.3306 | .09858 | .53668 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00382 | .00549 | .09272 | 1.3984 | .00574 | 1.3815 | .24103 |
| #2 | .00388 | .00557 | .06876 | 1.4023 | .00539 | 1.3837 | .24127 |
| #3 | .00380 | .00571 | .05408 | 1.3970 | .00529 | 1.3839 | .24339 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00494 | .05431 | .53272 | -.00117 | .18708 | .00665 | .20775 |
| Stddev | .00024 | .03680 | .00157 | .00041  | .00392 | .00014 | .00016 |
| %RSD   | 4.8676 | 67.759 | .29465 | 35.367  | 2.0951 | 2.0926 | .07756 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00488 | .09658 | .53092 | -.00105 | .19083 | .00666 | .20773 |
| #2 | .00521 | .02943 | .53382 | -.00163 | .18739 | .00679 | .20792 |
| #3 | .00474 | .03691 | .53342 | -.00083 | .18301 | .00651 | .20760 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25853 | .00745 | -.02003 | .29776 | .03214 | .01080 | .01055 |
| Stddev | .02169 | .00039 | .01632  | .00168 | .00393 | .00084 | .00191 |
| %RSD   | 8.3901 | 5.2319 | 81.501  | .56513 | 12.234 | 7.7351 | 18.079 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | .25562 | .00753 | -.00907 | .29828 | .03640 | .00998 | .00862 |
| #2 | .28152 | .00702 | -.03879 | .29588 | .02865 | .01076 | .01243 |
| #3 | .23844 | .00779 | -.01222 | .29913 | .03137 | .01165 | .01060 |

Sample Name: K4140-44DLX50      Acquired: 8/14/2019 15:28:07      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00472 | .1572  | .00472 | .29724 | F<.00000 |
| Stddev | .00100 | .0024  | .00005 | .27834 | 1.9320   |
| %RSD   | 21.204 | 1.544  | 1.0017 | 93.643 | 53.810   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .00552 | .1545 | .00467 | .46382  | -1.3869 |
| #2 | .00360 | .1581 | .00472 | -.02409 | -4.9940 |
| #3 | .00506 | .1591 | .00476 | .45198  | -4.3904 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2619.7 | 29082. | 3047.4 | 35.552 | 2677.1 |
| Stddev    | 1.7    | 126.   | 9.8    | 1.702  | 7.7    |
| %RSD      | .06605 | .43367 | .31995 | 4.7862 | .28843 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2621.0 | 29098. | 3037.8 | 37.405 | 2683.2 |
| #2 | 2617.7 | 29199. | 3047.2 | 34.060 | 2668.4 |
| #3 | 2620.4 | 28948. | 3057.3 | 35.190 | 2679.7 |

Sample Name: K4140-24ADLX50      Acquired: 8/14/2019 15:32:30      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .01457 | .03885 | .04776 | .04081 | .00310 | .37943 | .03525 | .00399 |
| Stddev | .00080 | .00031 | .00012 | .00299 | .00225 | .00792 | .00104 | .00012 |
| %RSD   | 5.4833 | .79819 | .24175 | 7.3297 | 72.425 | 2.0883 | 2.9429 | 2.8948 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01467 | .03875 | .04767 | .03744 | .00079 | .38711 | .03406 | .00412 |
| #2 | .01531 | .03859 | .04773 | .04185 | .00528 | .37991 | .03596 | .00396 |
| #3 | .01372 | .03919 | .04789 | .04314 | .00324 | .37128 | .03573 | .00389 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00560 | .08581 | 1.4075 | .00556 | 1.3757 | .24164 | .00503 | .05653 |
| Stddev | .00002 | .02176 | .0037  | .00047 | .0035  | .00041 | .00006 | .07427 |
| %RSD   | .43580 | 25.361 | .25912 | 8.5431 | .25177 | .16986 | 1.2282 | 131.38 |

|    |        |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|--------|---------|
| #1 | .00560 | .06070 | 1.4116 | .00502 | 1.3723 | .24144 | .00509 | -.02917 |
| #2 | .00562 | .09918 | 1.4045 | .00592 | 1.3758 | .24211 | .00502 | .09665  |
| #3 | .00557 | .09754 | 1.4065 | .00574 | 1.3792 | .24137 | .00497 | .10211  |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .53227 | -.00029 | .15613 | .00726 | .20672 | .24145 | .00727 | -.03242 |
| Stddev | .00127 | .00034  | .01484 | .00065 | .00011 | .03175 | .00055 | .00858  |
| %RSD   | .23849 | 114.46  | 9.5049 | 9.0079 | .05278 | 13.148 | 7.6174 | 26.457  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .53241 | -.00026 | .16297 | .00720 | .20681 | .21032 | .00785 | -.04073 |
| #2 | .53094 | -.00065 | .13910 | .00795 | .20659 | .24027 | .00675 | -.02360 |
| #3 | .53347 | .00003  | .16632 | .00664 | .20675 | .27378 | .00719 | -.03295 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .29102 | .03532 | .00964 | .00973 | .00469 | .1585  | .00481 | <.00000 |
| Stddev | .00622 | .00052 | .00096 | .00045 | .00094 | .0015  | .00006 | 1.0612  |
| %RSD   | 2.1378 | 1.4798 | 9.9098 | 4.6536 | 20.080 | .9730  | 1.3038 | 224.73  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | .28493 | .03538 | .01047 | .00973 | .00374 | .1574 | .00485 | -1.6003 |
| #2 | .29077 | .03476 | .00986 | .00927 | .00562 | .1579 | .00485 | -.32270 |
| #3 | .29736 | .03580 | .00860 | .01018 | .00469 | .1603 | .00474 | .50631  |



Sample Name: K4140-24ADLX50      Acquired: 8/14/2019 15:32:30      Type: Unk  
 Method: P4-ICP2(v33338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      1.5943  
 %RSD      969.20

#1      -.57975  
 #2      -1.5101  
 #3      1.5963

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2618.6 | 28812. | 3019.7 | 34.315 | 2675.4 |
| Stddev    | 1.4    | 66.    | 16.1   | 1.416  | 4.2    |
| %RSD      | .05393 | .22819 | .53212 | 4.1271 | .15632 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2620.0 | 28846. | 3035.0 | 35.950 | 2679.3 |
| #2 | 2617.2 | 28737. | 3021.1 | 33.470 | 2671.0 |
| #3 | 2618.8 | 28855. | 3002.9 | 33.525 | 2676.0 |

Sample Name: K4297-01      Acquired: 8/14/2019 15:36:52      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00068 | -.00284 | .10576 | -.00039 | .00231 | .05527 | .45758 |
| Stddev | .00253  | .00090  | .00588 | .00334  | .00344 | .01391 | .00155 |
| %RSD   | 373.66  | 31.827  | 5.5587 | 856.59  | 149.06 | 25.177 | .33856 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00118  | -.00180 | .11251 | -.00418 | .00615  | .04274 | .45747 |
| #2 | .00035  | -.00340 | .10181 | .00086  | -.00049 | .07025 | .45917 |
| #3 | -.00355 | -.00332 | .10295 | .00215  | .00126  | .05281 | .45608 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | .00743 | 32.017 | .00080 | .00194 | .04518 | .00592 |
| Stddev | .00005  | .00007 | .205   | .00036 | .00006 | .00033 | .00081 |
| %RSD   | 176.48  | .91625 | .64167 | 45.094 | 3.2195 | .73203 | 13.720 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00008 | .00741 | 31.801 | .00120 | .00196 | .04483 | .00685 |
| #2 | .00002  | .00751 | 32.040 | .00066 | .00187 | .04525 | .00557 |
| #3 | -.00003 | .00738 | 32.210 | .00053 | .00199 | .04548 | .00534 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .30634 | 2.7202 | .00728 | -.00195 | 286.41 | -.00065 | .37951 |
| Stddev | .00065 | .0528  | .00065 | .00083  | 1.08   | .00050  | .00082 |
| %RSD   | .21070 | 1.9399 | 8.9746 | 42.511  | .37624 | 76.863  | .21680 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .30567 | 2.7458 | .00662 | -.00277 | 285.55 | -.00025 | .37884 |
| #2 | .30695 | 2.6595 | .00729 | -.00196 | 287.62 | -.00121 | .38043 |
| #3 | .30639 | 2.7553 | .00793 | -.00112 | 286.07 | -.00048 | .37926 |

|        |        |         |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.1129 | -.00015 | .09397 | 1.1594 | .82112 | -.00165 | .00181 |
| Stddev | .0225  | .00023  | .00723 | .0080  | .00558 | .00088  | .00230 |
| %RSD   | 2.0231 | 160.53  | 7.6927 | .69071 | .67943 | 53.527  | 126.79 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 1.0935 | -.00038 | .09660 | 1.1529 | .82115 | -.00147 | .00001 |
| #2 | 1.1076 | -.00014 | .09952 | 1.1683 | .81552 | -.00261 | .00439 |
| #3 | 1.1376 | .00009  | .08580 | 1.1569 | .82668 | -.00087 | .00103 |

Sample Name: K4297-01      Acquired: 8/14/2019 15:36:52      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00668 | .0128  | .12700 | 1.7613 | F<.00000 |
| Stddev | .00094 | .0021  | .00057 | .5096  | 1.9443   |
| %RSD   | 14.127 | 16.40  | .44568 | 28.933 | 25.873   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00731 | .0107 | .12641 | 1.9147 | -9.7598 |
| #2 | .00559 | .0149 | .12705 | 2.1766 | -6.4154 |
| #3 | .00712 | .0128 | .12754 | 1.1926 | -6.3695 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2503.3 | 27850. | 2983.3 | 34.177 | 2403.5 |
| Stddev    | 9.3    | 88.    | 11.8   | 1.737  | 11.2   |
| %RSD      | .37109 | .31466 | .39473 | 5.0828 | .46625 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2496.7 | 27863. | 2993.3 | 33.627 | 2396.2 |
| #2 | 2499.3 | 27757. | 2986.3 | 32.782 | 2397.9 |
| #3 | 2514.0 | 27930. | 2970.4 | 36.123 | 2416.4 |

Sample Name: K4294-04DLX10      Acquired: 8/14/2019 15:41:17      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .02229 | .01247 | .18284 | .01192 | .02047 | 8.5346 | .06486  | .00287  |
| Stddev | .00068 | .00093 | .00166 | .00130 | .00062 | .0406  | .00094  | .00003  |
| %RSD   | 3.0596 | 7.4316 | .91025 | 10.905 | 3.0374 | .47526 | 1.4433  | .97967  |
| #1     | .02150 | .01243 | .18445 | .01330 | .02000 | 8.4877 | .06416  | .00287  |
| #2     | .02265 | .01157 | .18294 | .01072 | .02117 | 8.5574 | .06592  | .00290  |
| #3     | .02272 | .01342 | .18112 | .01175 | .02024 | 8.5586 | .06450  | .00284  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00067 | 2.0180 | .32202 | .01876 | .12597 | 79.410 | .44096  | 1.8169  |
| Stddev | .00018 | .0293  | .00019 | .00027 | .00044 | .668   | .00081  | .0048   |
| %RSD   | 26.442 | 1.4503 | .05787 | 1.4180 | .34643 | .84146 | .18439  | .26634  |
| #1     | .00064 | 1.9878 | .32180 | .01883 | .12548 | 80.153 | .44003  | 1.8143  |
| #2     | .00051 | 2.0199 | .32215 | .01846 | .12632 | 79.222 | .44151  | 1.8225  |
| #3     | .00086 | 2.0463 | .32210 | .01898 | .12611 | 78.857 | .44134  | 1.8139  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .59597 | .00270 | 1.2606 | .05505 | .13446 | 2.1292 | .05623  | .02642  |
| Stddev | .00220 | .00013 | .0112  | .00049 | .00014 | .0491  | .00033  | .01443  |
| %RSD   | .36848 | 4.8460 | .89000 | .88596 | .10179 | 2.3083 | .59524  | 54.636  |
| #1     | .59821 | .00256 | 1.2625 | .05538 | .13453 | 2.1169 | .05635  | .03451  |
| #2     | .59382 | .00271 | 1.2707 | .05449 | .13454 | 2.0874 | .05585  | .03499  |
| #3     | .59588 | .00283 | 1.2485 | .05529 | .13430 | 2.1834 | .05648  | .00975  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .15227 | .32572 | .01127 | .08202 | .01022 | .3806  | -.06383 | <.00000 |
| Stddev | .00619 | .00075 | .00106 | .00325 | .00101 | .0040  | .00083  | .62857  |
| %RSD   | 4.0644 | .22929 | 9.3851 | 3.9650 | 9.9194 | 1.057  | 1.3009  | 16.087  |
| #1     | .15897 | .32601 | .01061 | .08541 | .01075 | .3853  | -.06471 | -4.6186 |
| #2     | .14676 | .32628 | .01249 | .07892 | .01086 | .3786  | -.06371 | -3.6769 |
| #3     | .15109 | .32487 | .01070 | .08173 | .00905 | .3780  | -.06307 | -3.4266 |

Sample Name: K4294-04DLX10      Acquired: 8/14/2019 15:41:17      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      25.496  
 Stddev      2.961  
 %RSD      11.615

#1      28.631  
 #2      22.746  
 #3      25.110

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2640.2 | 29027. | 3038.4 | 35.240 | 2610.2 |
| Stddev    | 13.9   | 28.    | 15.4   | .924   | 11.7   |
| %RSD      | .52834 | .09670 | .50565 | 2.6216 | .44743 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2633.6 | 29037. | 3026.5 | 35.365 | 2599.4 |
| #2 | 2656.2 | 28995. | 3055.7 | 34.260 | 2622.6 |
| #3 | 2630.8 | 29047. | 3033.0 | 36.095 | 2608.6 |

Sample Name: CCV02      Acquired: 8/14/2019 15:45:46      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | 5.0802 | 5.0446 | 5.0465 | 5.1053 | 5.1052   | 10.106 | 10.153 | .25542   |
| Stddev | .0126  | .0178  | .0045  | .0049  | .0080    | .066   | .079   | .00060   |
| %RSD   | .24860 | .35234 | .08948 | .09616 | .15679   | .65568 | .78200 | .23447   |
| #1     | 5.0673 | 5.0368 | 5.0420 | 5.1107 | 5.1143   | 10.112 | 10.101 | .25550   |
| #2     | 5.0925 | 5.0649 | 5.0510 | 5.1039 | 5.1020   | 10.169 | 10.244 | .25598   |
| #3     | 5.0810 | 5.0320 | 5.0464 | 5.1011 | 5.0992   | 10.036 | 10.113 | .25479   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5167 | 25.244 | 1.0181 | 2.5050 | 1.2785   | 5.1235 | 2.5514 | 25.204   |
| Stddev | .0005  | .152   | .0017  | .0020  | .0021    | .0037  | .0025  | .341     |
| %RSD   | .02134 | .60040 | .16545 | .07827 | .16512   | .07300 | .09624 | 1.3527   |
| #1     | 2.5166 | 25.073 | 1.0173 | 2.5028 | 1.2797   | 5.1198 | 2.5487 | 25.234   |
| #2     | 2.5173 | 25.294 | 1.0200 | 2.5066 | 1.2798   | 5.1273 | 2.5533 | 25.529   |
| #3     | 2.5162 | 25.363 | 1.0169 | 2.5056 | 1.2761   | 5.1236 | 2.5523 | 24.849   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5082 | 1.2624 | 25.139 | 2.5294 | 2.4933   | 25.216 | 5.0239 | 4.9494   |
| Stddev | .0017  | .0024  | .212   | .0045  | .0031    | .200   | .0081  | .0427    |
| %RSD   | .06741 | .18981 | .84243 | .17703 | .12420   | .79206 | .16098 | .86175   |
| #1     | 2.5067 | 1.2637 | 24.982 | 2.5264 | 2.4922   | 25.113 | 5.0317 | 4.9609   |
| #2     | 2.5077 | 1.2639 | 25.380 | 2.5345 | 2.4968   | 25.446 | 5.0244 | 4.9852   |
| #3     | 2.5100 | 1.2597 | 25.055 | 2.5272 | 2.4910   | 25.088 | 5.0156 | 4.9022   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 4.9517 | 4.9615 | 4.9443 | 5.0085 | F 3.9125 | 4.962  | 5.1239 | F 2.3808 |
| Stddev | .0126  | .0452  | .0060  | .0034  | .0157    | .021   | .0291  | .5576    |
| %RSD   | .25367 | .91086 | .12224 | .06749 | .40148   | .4208  | .56849 | 23.421   |
| #1     | 4.9405 | 4.9336 | 4.9383 | 5.0056 | 3.8947   | 4.986  | 5.0909 | 2.9934   |
| #2     | 4.9653 | 4.9372 | 4.9443 | 5.0077 | 3.9186   | 4.950  | 5.1350 | 1.9029   |
| #3     | 4.9493 | 5.0136 | 4.9504 | 5.0122 | 3.9243   | 4.949  | 5.1459 | 2.2460   |

Sample Name: CCV02      Acquired: 8/14/2019 15:45:46      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.5929  
Stddev      3.8180  
%RSD      147.25

#1      6.9947  
#2      .17935  
#3      .60457

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2521.3 | 28020. | 2957.5 | 32.547 | 2398.7 |
| Stddev    | 5.9    | 56.    | 16.3   | .860   | 4.1    |
| %RSD      | .23354 | .19894 | .55066 | 2.6428 | .17255 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2516.4 | 28021. | 2964.4 | 33.227 | 2396.5 |
| #2 | 2519.5 | 27964. | 2969.2 | 32.834 | 2396.1 |
| #3 | 2527.8 | 28075. | 2938.9 | 31.580 | 2403.4 |

Sample Name: CCB02      Acquired: 8/14/2019 15:49:45      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |          |         |        |        |        |
|--------|--------|---------|----------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203   | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm      | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00363 | -.00074 | F .00322 | -.00158 | .00022 | .01416 | .00025 |
| Stddev | .00204 | .00112  | .00226   | .00267  | .00047 | .01089 | .00091 |
| %RSD   | 56.250 | 151.10  | 70.129   | 169.03  | 211.40 | 76.899 | 366.08 |

|    |        |         |        |         |         |        |         |
|----|--------|---------|--------|---------|---------|--------|---------|
| #1 | .00568 | -.00179 | .00085 | -.00457 | -.00007 | .01671 | .00006  |
| #2 | .00361 | -.00088 | .00347 | .00055  | .00077  | .00222 | .00124  |
| #3 | .00160 | .00044  | .00535 | -.00072 | -.00003 | .02355 | -.00056 |

|        |        |         |         |         |        |        |         |
|--------|--------|---------|---------|---------|--------|--------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00003 | -.00008 | -.00083 | -.00020 | .00007 | .00004 | -.00035 |
| Stddev | .00007 | .00006  | .02005  | .00033  | .00020 | .00016 | .00069  |
| %RSD   | 209.54 | 71.894  | 2422.7  | 162.85  | 262.30 | 375.27 | 199.39  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00010  | -.00015 | -.01062 | .00017  | -.00012 | -.00014 | -.00074 |
| #2 | -.00004 | -.00003 | -.01410 | -.00043 | .00008  | .00010  | -.00075 |
| #3 | .00003  | -.00007 | .02223  | -.00035 | .00027  | .00017  | .00045  |

|        |        |         |        |         |        |         |         |
|--------|--------|---------|--------|---------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00005 | -.05083 | .00063 | -.00211 | .10328 | -.00068 | -.00001 |
| Stddev | .00010 | .08128  | .00048 | .00046  | .01592 | .00069  | .00011  |
| %RSD   | 219.37 | 159.89  | 76.498 | 21.801  | 15.413 | 101.91  | 890.89  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00007 | -.12508 | .00044 | -.00252 | .12099 | .00003  | -.00013 |
| #2 | .00007  | .03601  | .00118 | -.00161 | .09018 | -.00136 | .00008  |
| #3 | .00013  | -.06343 | .00028 | -.00221 | .09866 | -.00071 | .00002  |

|        |        |        |         |           |         |         |        |
|--------|--------|--------|---------|-----------|---------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm     | ppm     | ppm    |
| Avg    | .06621 | .00107 | -.00414 | F -.01037 | -.00044 | -.00130 | .00146 |
| Stddev | .02534 | .00042 | .02527  | .00115    | .00272  | .00079  | .00090 |
| %RSD   | 38.266 | 38.813 | 610.87  | 11.133    | 612.88  | 60.843  | 61.784 |

|    |        |        |         |         |         |         |        |
|----|--------|--------|---------|---------|---------|---------|--------|
| #1 | .03998 | .00144 | .00206  | -.00904 | .00194  | -.00219 | .00230 |
| #2 | .09055 | .00115 | -.03193 | -.01092 | -.00340 | -.00107 | .00157 |
| #3 | .06811 | .00062 | .01746  | -.01114 | .00013  | -.00065 | .00051 |



Sample Name: CCB02      Acquired: 8/14/2019 15:49:45      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .00468 | .0015  | .00003 | F<.00000 | F<.00000 |
| Stddev | .00072 | .0006  | .00008 | .33121   | 3.9319   |
| %RSD   | 15.367 | 36.35  | 244.58 | 14.864   | 790.03   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .00428 | .0021 | -.00002 | -2.1325 | 4.0322  |
| #2 | .00424 | .0011 | .00000  | -2.5969 | -2.4973 |
| #3 | .00551 | .0014 | .00012  | -1.9556 | -3.0280 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2627.8 | 28942. | 3020.9 | 36.750 | 2674.4 |
| Stddev    | 7.0    | 58.    | 9.3    | 1.115  | 6.9    |
| %RSD      | .26672 | .19999 | .30827 | 3.0338 | .25840 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2634.2 | 28940. | 3026.3 | 35.755 | 2680.8 |
| #2 | 2620.3 | 28886. | 3010.1 | 37.955 | 2667.1 |
| #3 | 2628.9 | 29001. | 3026.3 | 36.540 | 2675.2 |

Sample Name: K4219-04      Acquired: 8/14/2019 15:54:15      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00242 | -.00177 | .00348 | .00020 | -.00184 | .03930 | .16111 |
| Stddev | .00367 | .00148  | .00013 | .00411 | .00091  | .01267 | .00262 |
| %RSD   | 151.80 | 83.363  | 3.8749 | 2014.6 | 49.474  | 32.237 | 1.6238 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00165 | -.00018 | .00357 | -.00051 | -.00178 | .02595 | .16409 |
| #2 | .00548  | -.00310 | .00355 | -.00350 | -.00096 | .05116 | .15918 |
| #3 | .00343  | -.00203 | .00333 | .00462  | -.00278 | .04078 | .16007 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00002 | .00002 | 5.0677 | .00003 | .00159 | .00168 | .00491 |
| Stddev | .00003 | .00008 | .0413  | .00045 | .00046 | .00026 | .00109 |
| %RSD   | 127.88 | 414.50 | .81524 | 1468.0 | 28.931 | 15.424 | 22.181 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | .00004  | -.00005 | 5.0457 | -.00005 | .00124 | .00161 | .00410 |
| #2 | .00004  | .00010  | 5.0420 | -.00037 | .00143 | .00197 | .00614 |
| #3 | -.00001 | .00000  | 5.1153 | .00051  | .00211 | .00147 | .00448 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .21696 | .48728 | .00149 | -.00197 | 146.69 | -.00149 | .09687 |
| Stddev | .00082 | .04070 | .00058 | .00047  | .28    | .00040  | .00030 |
| %RSD   | .37943 | 8.3524 | 39.067 | 23.964  | .18977 | 26.909  | .30587 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .21727 | .51441 | .00134 | -.00145 | 146.70 | -.00122 | .09716 |
| #2 | .21602 | .44048 | .00099 | -.00207 | 146.41 | -.00194 | .09688 |
| #3 | .21758 | .50695 | .00213 | -.00237 | 146.97 | -.00129 | .09656 |

|        |        |         |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .69426 | -.00022 | .01588 | .42044 | .24903 | -.00093 | .00096 |
| Stddev | .07206 | .00034  | .02011 | .00797 | .00400 | .00065  | .00168 |
| %RSD   | 10.380 | 156.30  | 126.66 | 1.8946 | 1.6066 | 70.488  | 175.80 |

|    |        |         |         |        |        |         |         |
|----|--------|---------|---------|--------|--------|---------|---------|
| #1 | .61105 | -.00051 | -.00678 | .41139 | .25346 | -.00082 | .00230  |
| #2 | .73662 | .00016  | .03161  | .42636 | .24567 | -.00033 | .00150  |
| #3 | .73510 | -.00031 | .02281  | .42359 | .24796 | -.00162 | -.00093 |

Sample Name: K4219-04      Acquired: 8/14/2019 15:54:15      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00432 | .0099  | .02427 | .46674 | F<.00000 |
| Stddev    | .00162 | .0029  | .00002 | .21294 | 3.4523   |
| %RSD      | 37.527 | 29.81  | .09572 | 45.623 | 39.245   |
| #1        | .00528 | .0117  | .02424 | .61243 | -6.2858  |
| #2        | .00245 | .0065  | .02429 | .56544 | -7.3711  |
| #3        | .00523 | .0115  | .02427 | .22236 | -12.734  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 2573.8 | 28700. | 3016.1 | 35.198 | 2513.7   |
| Stddev    | 8.9    | 83.    | 11.2   | .526   | 7.1      |
| %RSD      | .34408 | .29053 | .37136 | 1.4932 | .28419   |
| #1        | 2563.7 | 28606. | 3003.2 | 35.805 | 2507.8   |
| #2        | 2578.1 | 28766. | 3022.1 | 34.881 | 2511.6   |
| #3        | 2579.8 | 28727. | 3023.1 | 34.908 | 2521.7   |

Sample Name: K3860-06DLX5      Acquired: 8/14/2019 15:58:42      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |         |         |        |         |        |
|--------|---------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00183 | .00013 | .00153 | -.00351 | -.00176 | .00244 | -.00026 | .00005 |
| Stddev | .00261  | .00064 | .00006 | .00143  | .00125  | .00247 | .00027  | .00002 |
| %RSD   | 142.91  | 478.72 | 4.0213 | 40.840  | 71.094  | 101.17 | 103.06  | 47.382 |

|    |         |         |        |         |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|---------|--------|
| #1 | -.00484 | .00081  | .00147 | -.00325 | -.00122 | .00423  | -.00056 | .00007 |
| #2 | -.00023 | .00006  | .00159 | -.00505 | -.00088 | .00348  | -.00021 | .00002 |
| #3 | -.00041 | -.00047 | .00151 | -.00222 | -.00320 | -.00038 | -.00002 | .00005 |

|        |        |         |         |        |         |         |        |        |
|--------|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00003 | -.01809 | -.00024 | .00002 | -.00048 | -.00789 | .00005 | .02962 |
| Stddev | .00002 | .01867  | .00049  | .00034 | .00072  | .00056  | .00001 | .04038 |
| %RSD   | 58.229 | 103.21  | 204.24  | 1395.5 | 150.16  | 7.1216  | 10.725 | 136.30 |

|    |        |         |         |         |         |         |        |         |
|----|--------|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00003 | -.03339 | -.00080 | -.00004 | -.00036 | -.00767 | .00005 | .04049  |
| #2 | .00001 | .00272  | .00001  | -.00028 | .00017  | -.00853 | .00006 | -.01508 |
| #3 | .00004 | -.02361 | .00007  | .00040  | -.00126 | -.00748 | .00006 | .06345  |

|        |        |         |        |         |         |        |         |         |
|--------|--------|---------|--------|---------|---------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00123 | -.00180 | 10.671 | -.00074 | -.00032 | .10679 | -.00025 | -.02042 |
| Stddev | .00065 | .00042  | .028   | .00089  | .00005  | .00959 | .00010  | .04032  |
| %RSD   | 52.508 | 23.358  | .26616 | 119.89  | 15.826  | 8.9773 | 38.750  | 197.42  |

|    |        |         |        |         |         |        |         |         |
|----|--------|---------|--------|---------|---------|--------|---------|---------|
| #1 | .00161 | -.00221 | 10.652 | -.00163 | -.00027 | .10296 | -.00017 | -.06179 |
| #2 | .00048 | -.00183 | 10.704 | -.00074 | -.00037 | .11770 | -.00023 | -.01825 |
| #3 | .00159 | -.00137 | 10.658 | .00015  | -.00033 | .09971 | -.00036 | .01876  |

|        |         |        |         |        |        |        |         |         |
|--------|---------|--------|---------|--------|--------|--------|---------|---------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.00141 | 5.8851 | -.00100 | .00087 | .00364 | .0003  | -.00003 | <.00000 |
| Stddev | .00286  | .0529  | .00062  | .00156 | .00072 | .0005  | .00020  | .80165  |
| %RSD   | 203.44  | .89972 | 62.165  | 178.97 | 19.667 | 192.0  | 626.33  | 49.618  |

|    |         |        |         |         |        |        |         |         |
|----|---------|--------|---------|---------|--------|--------|---------|---------|
| #1 | .00106  | 5.9438 | -.00167 | .00035  | .00287 | .0003  | -.00010 | -1.8740 |
| #2 | -.00454 | 5.8410 | -.00089 | -.00036 | .00429 | -.0002 | -.00019 | -2.2563 |
| #3 | -.00073 | 5.8704 | -.00044 | .00262  | .00376 | .0007  | .00020  | -.71669 |

Sample Name: K3860-06DLX5      Acquired: 8/14/2019 15:58:42      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .14504  
Stddev      4.8825  
%RSD      3366.4

#1      4.9856  
#2      .22797  
#3      -4.7784

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2634.4 | 29074. | 3038.4 | 36.960 | 2704.5 |
| Stddev    | 4.5    | 39.    | 20.0   | 1.482  | 7.4    |
| %RSD      | .16964 | .13362 | .65848 | 4.0109 | .27352 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2631.0 | 29119. | 3020.0 | 36.375 | 2699.1 |
| #2 | 2632.6 | 29052. | 3059.7 | 35.859 | 2701.4 |
| #3 | 2639.4 | 29052. | 3035.3 | 38.645 | 2712.9 |

Sample Name: PB122229BL      Acquired: 8/14/2019 16:03:10      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00402 | -.00124 | .00119 | -.00230 | -.00049 | .00693 | .00011 |
| Stddev | .00353 | .00283  | .00123 | .00259  | .00269  | .01249 | .00040 |
| %RSD   | 87.848 | 228.09  | 103.49 | 112.97  | 546.78  | 180.19 | 355.51 |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00321 | -.00434 | .00258 | -.00250 | .00229  | .01181  | -.00033 |
| #2 | .00789 | .00120  | .00070 | .00039  | -.00308 | -.00726 | .00044  |
| #3 | .00097 | -.00057 | .00028 | -.00478 | -.00069 | .01624  | .00023  |

|        |        |         |         |         |        |         |        |
|--------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00008 | -.00006 | -.01170 | -.00051 | .00014 | -.00016 | .00033 |
| Stddev | .00014 | .00004  | .01623  | .00025  | .00043 | .00076  | .00068 |
| %RSD   | 169.60 | 70.297  | 138.70  | 48.257  | 296.92 | 485.60  | 207.46 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00006  | -.00003 | .00695  | -.00078 | .00043  | .00072  | -.00007 |
| #2 | -.00005 | -.00004 | -.02259 | -.00029 | -.00035 | -.00063 | -.00006 |
| #3 | .00022  | -.00010 | -.01945 | -.00046 | .00034  | -.00056 | .00112  |

|        |         |         |        |         |        |         |         |
|--------|---------|---------|--------|---------|--------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00012 | -.02706 | .00065 | -.00151 | .07015 | -.00029 | -.00022 |
| Stddev | .00010  | .07568  | .00021 | .00083  | .01752 | .00066  | .00004  |
| %RSD   | 84.425  | 279.68  | 32.518 | 54.829  | 24.983 | 229.79  | 17.738  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00000 | .00170  | .00064 | -.00102 | .06021 | -.00084 | -.00019 |
| #2 | -.00018 | .03003  | .00044 | -.00104 | .09038 | -.00046 | -.00020 |
| #3 | -.00017 | -.11291 | .00086 | -.00247 | .05985 | .00044  | -.00026 |

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .05446 | -.00015 | -.03670 | -.00378 | -.00237 | -.00150 | .00192 |
| Stddev | .03130 | .00015  | .00407  | .00592  | .00168  | .00106  | .00127 |
| %RSD   | 57.475 | 104.92  | 11.098  | 156.55  | 70.680  | 70.926  | 65.995 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .03036 | -.00003 | -.03630 | .00226  | -.00051 | -.00231 | .00242 |
| #2 | .08984 | -.00032 | -.03284 | -.00957 | -.00285 | -.00189 | .00048 |
| #3 | .04319 | -.00009 | -.04096 | -.00403 | -.00376 | -.00030 | .00286 |

Sample Name: PB122229BL      Acquired: 8/14/2019 16:03:10      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |          |          |
|-----------|--------|--------|---------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg       | .00308 | -.0000 | .00002  | F<.00000 | F .18506 |
| Stddev    | .00100 | .0007  | .00007  | .11710   | 5.1534   |
| %RSD      | 32.479 | 1803.  | 318.74  | 5.8503   | 2784.8   |
| #1        | .00205 | -.0002 | .00001  | -2.0398  | 3.8817   |
| #2        | .00315 | .0007  | .00009  | -2.0948  | 2.3752   |
| #3        | .00404 | -.0006 | -.00004 | -1.8702  | -5.7017  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2638.2 | 29133. | 3052.6  | 35.772   | 2690.4   |
| Stddev    | 7.7    | 27.    | 8.5     | .208     | 7.2      |
| %RSD      | .29044 | .09309 | .27698  | .58176   | .26854   |
| #1        | 2646.8 | 29160. | 3051.6  | 35.555   | 2698.7   |
| #2        | 2632.0 | 29133. | 3044.7  | 35.790   | 2685.5   |
| #3        | 2635.8 | 29106. | 3061.5  | 35.970   | 2686.9   |

Sample Name: K4305-01      Acquired: 8/14/2019 16:07:38      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |           |          |           |           |          |          |
|--------|----------|-----------|----------|-----------|-----------|----------|----------|
| Elem   | As1890   | Tl1908    | Pb2203   | Se1960    | Sb2068    | Al3961   | Ba4934   |
| Units  | ppm      | ppm       | ppm      | ppm       | ppm       | ppm      | ppm      |
| Avg    | F .00193 | F -.00019 | F .00269 | F -.00147 | F -.00239 | F .04231 | F .00162 |
| Stddev | .00443   | .00082    | .00033   | .00197    | .00159    | .00413   | .00058   |
| %RSD   | 229.03   | 441.01    | 12.169   | 134.25    | 66.550    | 9.7661   | 35.473   |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00089 | .00059  | .00304 | .00071  | -.00419 | .03778 | .00224 |
| #2 | .00703  | -.00105 | .00239 | -.00313 | -.00116 | .04587 | .00154 |
| #3 | -.00034 | -.00009 | .00264 | -.00199 | -.00183 | .04329 | .00109 |

|        |           |          |          |          |          |          |           |
|--------|-----------|----------|----------|----------|----------|----------|-----------|
| Elem   | Be2348    | Cd2265   | Ca3736   | Cr2677   | Co2286   | Cu2247   | Fe2404    |
| Units  | ppm       | ppm      | ppm      | ppm      | ppm      | ppm      | ppm       |
| Avg    | F -.00004 | F .00002 | F .18915 | F .00021 | F .00006 | F .02752 | F -.00637 |
| Stddev | .00005    | .00006   | .04068   | .00073   | .00020   | .00100   | .00080    |
| %RSD   | 128.15    | 355.08   | 21.509   | 352.05   | 319.13   | 3.6395   | 12.493    |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | -.00000 | .00002  | .19537 | .00029  | .00000  | .02866 | -.00548 |
| #2 | -.00009 | -.00005 | .22636 | .00090  | -.00010 | .02681 | -.00700 |
| #3 | -.00002 | .00008  | .14571 | -.00056 | .00028  | .02708 | -.00665 |

|        |          |          |          |           |          |           |          |
|--------|----------|----------|----------|-----------|----------|-----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280    | Na5895   | V_2924    | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm       | ppm      | ppm       | ppm      |
| Avg    | F .00041 | F .02360 | F .00197 | F -.00224 | F .01000 | F -.00081 | F .05308 |
| Stddev | .00003   | .05451   | .00019   | .00015    | .00404   | .00052    | .00011   |
| %RSD   | 7.3171   | 231.04   | 9.7699   | 6.7988    | 40.398   | 64.101    | .20586   |

|    |        |         |        |         |        |         |        |
|----|--------|---------|--------|---------|--------|---------|--------|
| #1 | .00038 | -.03272 | .00188 | -.00234 | .00537 | -.00038 | .05321 |
| #2 | .00044 | .02739  | .00220 | -.00207 | .01279 | -.00139 | .05301 |
| #3 | .00040 | .07612  | .00185 | -.00232 | .01184 | -.00067 | .05303 |

|        |          |           |          |          |          |           |           |
|--------|----------|-----------|----------|----------|----------|-----------|-----------|
| Elem   | K_7664   | Mo2020    | B_2496   | S_1820   | Si2881   | Sn1899    | Ti3361    |
| Units  | ppm      | ppm       | ppm      | ppm      | ppm      | ppm       | ppm       |
| Avg    | F .03278 | F -.00012 | F .10485 | F .00343 | F 10.999 | F -.00160 | F -.00037 |
| Stddev | .00927   | .00027    | .01980   | .00322   | .177     | .00166    | .00269    |
| %RSD   | 28.277   | 221.31    | 18.882   | 93.818   | 1.6131   | 104.00    | 722.11    |

|    |        |         |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|---------|---------|
| #1 | .03174 | .00017  | .12613 | .00713 | 10.932 | -.00189 | -.00131 |
| #2 | .04252 | -.00038 | .10143 | .00123 | 11.200 | -.00310 | -.00246 |
| #3 | .02407 | -.00016 | .08698 | .00194 | 10.865 | .00019  | .00266  |



Sample Name: K4305-01      Acquired: 8/14/2019 16:07:38      Type: Unk  
 Method: P4-ICP2(v33338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |          |         |          |          |          |
|-----------|----------|---------|----------|----------|----------|
| Elem      | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units     | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg       | F .00014 | F .0017 | F .00046 | F<.00000 | F<.00000 |
| Stddev    | .00122   | .0017   | .00003   | 1.1610   | 2.2842   |
| %RSD      | 869.29   | 101.3   | 6.8735   | 43.049   | 75.276   |
| #1        | .00086   | .0028   | .00049   | -2.0135  | -.63588  |
| #2        | -.00127  | -.0003  | .00044   | -2.0396  | -3.2836  |
| #3        | .00083   | .0025   | .00043   | -4.0373  | -5.1839  |
| Int. Std. | Y_2243   | Y_3600  | Y_3710   | In2306   | In2306   |
| Units     | Cts/S    | Cts/S   | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2726.6   | 30225.  | 3112.2   | 36.790   | 2840.2   |
| Stddev    | 12.0     | 64.     | 46.7     | 1.439    | 7.9      |
| %RSD      | .43943   | .21285  | 1.5013   | 3.9119   | .27673   |
| #1        | 2740.2   | 30273.  | 3127.2   | 38.015   | 2848.8   |
| #2        | 2717.5   | 30250.  | 3059.8   | 37.150   | 2838.5   |
| #3        | 2722.2   | 30152.  | 3149.6   | 35.205   | 2833.4   |

Sample Name: K4305-02      Acquired: 8/14/2019 16:12:04      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00143 | .00068 | .00898 | .00010 | -.00166 | .05343 | .16383 |
| Stddev | .00163 | .00076 | .00175 | .00075 | .00375  | .00837 | .00092 |
| %RSD   | 114.01 | 111.07 | 19.437 | 765.62 | 225.44  | 15.675 | .56052 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00036 | .00088  | .00971 | .00056  | -.00212 | .05776 | .16311 |
| #2 | .00183  | -.00016 | .01024 | -.00076 | -.00517 | .05874 | .16486 |
| #3 | .00282  | .00132  | .00699 | .00049  | .00229  | .04377 | .16350 |

|        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00005 | .00014 | 54.562 | .00283 | -.00006 | .01204 | -.08150 |
| Stddev | .00015 | .00001 | .167   | .00003 | .00024  | .00008 | .00092  |
| %RSD   | 294.77 | 9.2178 | .30528 | 1.1034 | 396.69  | .67723 | 1.1228  |

|    |         |        |        |        |         |        |         |
|----|---------|--------|--------|--------|---------|--------|---------|
| #1 | .00009  | .00013 | 54.460 | .00286 | .00022  | .01198 | -.08148 |
| #2 | -.00012 | .00016 | 54.473 | .00280 | -.00022 | .01202 | -.08059 |
| #3 | .00019  | .00014 | 54.755 | .00284 | -.00018 | .01213 | -.08242 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00071 | 37.188 | .00155 | -.00125 | 203.57 | .06486 | .02768 |
| Stddev | .00008 | .345   | .00044 | .00093  | .95    | .00071 | .00015 |
| %RSD   | 11.617 | .92706 | 28.517 | 74.476  | .46528 | 1.0924 | .55569 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00062 | 36.915 | .00176 | -.00227 | 202.49 | .06521 | .02751 |
| #2 | .00078 | 37.575 | .00104 | -.00105 | 204.25 | .06532 | .02772 |
| #3 | .00072 | 37.074 | .00184 | -.00044 | 203.97 | .06404 | .02780 |

|        |        |        |        |          |          |         |         |
|--------|--------|--------|--------|----------|----------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm     |
| Avg    | 26.387 | .00556 | .40442 | F 10.618 | F 76.461 | -.00490 | -.00132 |
| Stddev | .091   | .00015 | .02533 | .020     | .345     | .00133  | .00199  |
| %RSD   | .34308 | 2.7437 | 6.2622 | .19219   | .45125   | 27.127  | 151.50  |

|    |        |        |        |        |        |         |         |
|----|--------|--------|--------|--------|--------|---------|---------|
| #1 | 26.299 | .00540 | .41760 | 10.599 | 76.708 | -.00339 | -.00248 |
| #2 | 26.480 | .00558 | .42044 | 10.639 | 76.067 | -.00588 | .00099  |
| #3 | 26.382 | .00571 | .37522 | 10.615 | 76.607 | -.00543 | -.00246 |

Sample Name: K4305-02      Acquired: 8/14/2019 16:12:04      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .03171 | .0040  | 1.3025 | .87893 | F<.00000 |
| Stddev | .00143 | .0004  | .0044  | .73807 | 1.1244   |
| %RSD   | 4.5230 | 9.460  | .33692 | 83.973 | 11.562   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .03199 | .0044 | 1.3034 | 1.2817 | -9.8750 |
| #2 | .03016 | .0037 | 1.2977 | .02711 | -10.767 |
| #3 | .03299 | .0038 | 1.3063 | 1.3280 | -8.5331 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2566.0 | 28554. | 3039.4 | 34.939 | 2462.0 |
| Stddev    | 16.9   | 119.   | 11.0   | 1.447  | 15.0   |
| %RSD      | .65868 | .41738 | .36301 | 4.1408 | .60861 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2566.2 | 28682. | 3036.5 | 36.075 | 2457.5 |
| #2 | 2582.8 | 28447. | 3051.6 | 33.310 | 2478.7 |
| #3 | 2549.0 | 28533. | 3030.1 | 35.431 | 2449.8 |

Sample Name: K4305-03      Acquired: 8/14/2019 16:16:27      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .00201 | -.00078 | .00152 | -.00187 | -.00121 | .00476 | .00014 | .00004 |
| Stddev | .00339 | .00148  | .00115 | .00292  | .00172  | .01390 | .00041 | .00005 |
| %RSD   | 168.96 | 190.12  | 75.576 | 156.35  | 142.18  | 291.98 | 284.26 | 106.92 |

|    |         |         |        |         |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|---------|
| #1 | .00031  | -.00210 | .00279 | .00016  | -.00133 | .00718  | .00045  | .00008  |
| #2 | -.00020 | .00082  | .00125 | -.00521 | -.00287 | .01730  | -.00032 | .00007  |
| #3 | .00591  | -.00104 | .00053 | -.00054 | .00057  | -.01019 | .00030  | -.00001 |

|        |         |        |        |         |         |         |        |         |
|--------|---------|--------|--------|---------|---------|---------|--------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00002 | .05603 | .00009 | -.00001 | -.00039 | -.00256 | .00062 | -.01055 |
| Stddev | .00006  | .01676 | .00068 | .00024  | .00033  | .00110  | .00004 | .06554  |
| %RSD   | 316.12  | 29.919 | 727.35 | 2681.5  | 83.800  | 42.907  | 6.1725 | 621.36  |

|    |         |        |         |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00005  | .06263 | .00088  | -.00012 | -.00015 | -.00365 | .00062 | .00552  |
| #2 | -.00006 | .06849 | -.00037 | -.00017 | -.00077 | -.00146 | .00059 | .04547  |
| #3 | -.00004 | .03697 | -.00022 | .00027  | -.00025 | -.00257 | .00066 | -.08263 |

|        |        |         |        |         |        |         |         |        |
|--------|--------|---------|--------|---------|--------|---------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664  | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00214 | -.00221 | .05796 | -.00135 | .02983 | -.00223 | -.00001 | .12387 |
| Stddev | .00041 | .00061  | .00765 | .00027  | .00004 | .03264  | .00017  | .00831 |
| %RSD   | 19.307 | 27.475  | 13.205 | 20.137  | .13253 | 1465.5  | 1473.0  | 6.7072 |

|    |        |         |        |         |        |         |         |        |
|----|--------|---------|--------|---------|--------|---------|---------|--------|
| #1 | .00244 | -.00291 | .05820 | -.00113 | .02987 | .01981  | -.00002 | .12475 |
| #2 | .00232 | -.00197 | .06549 | -.00165 | .02979 | .01323  | -.00018 | .13171 |
| #3 | .00167 | -.00176 | .05019 | -.00126 | .02983 | -.03972 | .00016  | .11516 |

|        |        |        |        |         |        |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .02748 | 9.9695 | .01067 | -.00001 | .00026 | .0045  | .00042 | <.00000 |
| Stddev | .00092 | .1040  | .00081 | .00284  | .00128 | .0015  | .00015 | .64810  |
| %RSD   | 3.3425 | 1.0432 | 7.6270 | 39489.  | 491.30 | 32.14  | 35.315 | 11.977  |

|    |        |        |        |         |         |       |        |         |
|----|--------|--------|--------|---------|---------|-------|--------|---------|
| #1 | .02847 | 10.087 | .00973 | .00003  | .00174  | .0038 | .00059 | -5.7790 |
| #2 | .02733 | 9.8891 | .01108 | .00282  | -.00060 | .0062 | .00037 | -4.6629 |
| #3 | .02665 | 9.9324 | .01120 | -.00287 | -.00035 | .0036 | .00030 | -5.7917 |

Sample Name: K4305-03      Acquired: 8/14/2019 16:16:27      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      1.8195  
%RSD      2227.2

#1      1.8003  
#2      -1.8313  
#3      -.21408

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2705.4 | 29977. | 3116.5 | 37.618 | 2816.3 |
| Stddev    | 10.1   | 78.    | 26.4   | .975   | 11.8   |
| %RSD      | .37441 | .26029 | .84778 | 2.5913 | .41973 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2697.8 | 30066. | 3088.5 | 36.835 | 2807.7 |
| #2 | 2716.9 | 29920. | 3141.0 | 38.710 | 2829.8 |
| #3 | 2701.5 | 29945. | 3120.0 | 37.310 | 2811.4 |

Sample Name: K4306-02      Acquired: 8/14/2019 16:20:54      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00128 | -.00127 | .00242 | -.00247 | -.00311 | .29844 | .01054 |
| Stddev | .00214 | .00133  | .00191 | .00517  | .00130  | .01475 | .00066 |
| %RSD   | 166.67 | 104.00  | 78.807 | 209.49  | 41.933  | 4.9413 | 6.2439 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00112 | -.00091 | .00293 | -.00474 | -.00378 | .29388 | .01056 |
| #2 | .00200  | -.00274 | .00031 | -.00611 | -.00393 | .28652 | .00987 |
| #3 | .00297  | -.00017 | .00403 | .00345  | -.00160 | .31493 | .01119 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00006 | .00014 | 10.160 | .00038 | .01130 | .05704 | .08336 |
| Stddev | .00009 | .00008 | .022   | .00025 | .00028 | .00018 | .00153 |
| %RSD   | 153.51 | 56.387 | .21502 | 66.126 | 2.5165 | .31176 | 1.8411 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00014  | .00005 | 10.149 | .00046 | .01132 | .05699 | .08162 |
| #2 | .00008  | .00021 | 10.146 | .00010 | .01158 | .05723 | .08398 |
| #3 | -.00004 | .00016 | 10.185 | .00060 | .01101 | .05689 | .08449 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00495 | 2.0686 | .00194 | -.00158 | 84.637 | .00035 | .10839 |
| Stddev | .00007 | .0415  | .00008 | .00123  | .251   | .00064 | .00070 |
| %RSD   | 1.4975 | 2.0042 | 4.1066 | 77.999  | .29700 | 185.84 | .64317 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00501 | 2.0771 | .00199 | -.00071 | 84.350 | .00106  | .10916 |
| #2 | .00487 | 2.1052 | .00185 | -.00299 | 84.818 | -.00017 | .10781 |
| #3 | .00498 | 2.0236 | .00198 | -.00104 | 84.743 | .00014  | .10819 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | 281.56 | .00112 | .00516 | F 68.887 | 2.0364 | -.02691 | .01963 |
| Stddev | 1.02   | .00037 | .00350 | .378     | .0082  | .00127  | .00152 |
| %RSD   | .36265 | 32.971 | 67.775 | .54863   | .40356 | 4.7020  | 7.7583 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 280.66 | .00107 | .00723 | 69.293 | 2.0272 | -.02831 | .01899 |
| #2 | 282.67 | .00151 | .00713 | 68.821 | 2.0429 | -.02585 | .02136 |
| #3 | 281.36 | .00078 | .00112 | 68.546 | 2.0392 | -.02658 | .01852 |

Sample Name: K4306-02      Acquired: 8/14/2019 16:20:54      Type: Unk  
 Method: P4-ICP2(v33338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00246 | .6172  | .02897 | .55330  | F<.00000 |
| Stddev    | .00115 | .0043  | .00011 | .77848  | 1.2728   |
| %RSD      | 46.730 | .6973  | .39500 | 140.70  | 17.938   |
| #1        | .00233 | .6221  | .02905 | 1.3312  | -5.8659  |
| #2        | .00367 | .6150  | .02903 | .55442  | -7.0139  |
| #3        | .00138 | .6145  | .02884 | -.22574 | -8.4076  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2564.3 | 28327. | 2994.3 | 35.065  | 2456.4   |
| Stddev    | 12.1   | 61.    | 10.7   | .389    | 10.8     |
| %RSD      | .46996 | .21371 | .35749 | 1.1092  | .44129   |
| #1        | 2550.8 | 28317. | 2983.8 | 34.739  | 2443.9   |
| #2        | 2573.9 | 28271. | 2993.8 | 34.960  | 2463.2   |
| #3        | 2568.2 | 28391. | 3005.2 | 35.495  | 2462.0   |

Sample Name: K4306-02DUP      Acquired: 8/14/2019 16:25:17      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00319 | -.00081 | .00199 | -.00236 | -.00245 | .29917 | .01144 |
| Stddev | .00159 | .00076  | .00108 | .00544  | .00077  | .00522 | .00062 |
| %RSD   | 50.056 | 94.012  | 54.352 | 230.52  | 31.525  | 1.7438 | 5.4150 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00439 | -.00008 | .00284 | -.00333 | -.00184 | .29565 | .01073 |
| #2 | .00380 | -.00160 | .00077 | .00350  | -.00220 | .29669 | .01174 |
| #3 | .00138 | -.00075 | .00237 | -.00725 | -.00332 | .30516 | .01186 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00006 | .00010 | 10.018 | .00055 | .01146 | .05719 | .08362 |
| Stddev | .00009 | .00008 | .005   | .00052 | .00029 | .00031 | .00132 |
| %RSD   | 145.59 | 77.496 | .04503 | 94.020 | 2.5672 | .53581 | 1.5820 |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00010  | .00015 | 10.020 | -.00005 | .01178 | .05736 | .08515 |
| #2 | -.00004 | .00014 | 10.013 | .00081  | .01139 | .05737 | .08282 |
| #3 | .00012  | .00001 | 10.021 | .00089  | .01120 | .05683 | .08290 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00496 | 2.0516 | .00200 | -.00184 | 84.315 | -.00008 | .13114 |
| Stddev | .00012 | .0338  | .00056 | .00046  | .251   | .00024  | .00024 |
| %RSD   | 2.4759 | 1.6453 | 27.876 | 25.046  | .29777 | 301.17  | .18115 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00510 | 2.0865 | .00201 | -.00206 | 84.120 | -.00033 | .13141 |
| #2 | .00487 | 2.0191 | .00255 | -.00216 | 84.599 | -.00006 | .13105 |
| #3 | .00490 | 2.0491 | .00144 | -.00131 | 84.227 | .00015  | .13096 |

|        |        |        |         |          |        |         |        |
|--------|--------|--------|---------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm     | ppm    |
| Avg    | 280.24 | .00107 | -.02851 | F 68.779 | 2.0402 | -.02744 | .01863 |
| Stddev | .85    | .00004 | .01233  | .200     | .0139  | .00140  | .00425 |
| %RSD   | .30427 | 3.9932 | 43.246  | .29090   | .68224 | 5.0865  | 22.801 |

|    |        |        |         |        |        |         |        |
|----|--------|--------|---------|--------|--------|---------|--------|
| #1 | 279.89 | .00112 | -.03076 | 68.550 | 2.0423 | -.02656 | .01377 |
| #2 | 281.22 | .00104 | -.03956 | 68.922 | 2.0254 | -.02671 | .02163 |
| #3 | 279.63 | .00105 | -.01521 | 68.863 | 2.0530 | -.02905 | .02048 |



Sample Name: K4306-02DUP      Acquired: 8/14/2019 16:25:17      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00366 | .6150  | .02883 | .15587  | F<.00000 |
| Stddev    | .00053 | .0043  | .00027 | 1.0797  | 2.8554   |
| %RSD      | 14.571 | .6949  | .94460 | 692.67  | 38.292   |
| #1        | .00390 | .6125  | .02860 | -.76997 | -5.9481  |
| #2        | .00305 | .6199  | .02876 | 1.3418  | -5.6726  |
| #3        | .00404 | .6125  | .02913 | -.10424 | -10.750  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2553.2 | 28316. | 2999.1 | 34.411  | 2448.0   |
| Stddev    | 4.3    | 53.    | 17.2   | 1.165   | 2.4      |
| %RSD      | .16745 | .18553 | .57402 | 3.3843  | .09897   |
| #1        | 2554.5 | 28286. | 2985.7 | 34.490  | 2449.8   |
| #2        | 2548.5 | 28286. | 3018.5 | 33.209  | 2445.2   |
| #3        | 2556.7 | 28377. | 2993.1 | 35.534  | 2448.9   |

Sample Name: K4306-02LX5      Acquired: 8/14/2019 16:29:41      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .00704 | -.00033 | .00214 | -.00276 | -.00117 | .06232 | .00208 | .00004 |
| Stddev | .00292 | .00073  | .00147 | .00401  | .00107  | .00862 | .00002 | .00004 |
| %RSD   | 41.476 | 219.01  | 68.722 | 144.89  | 91.412  | 13.838 | .94538 | 108.38 |

|    |        |         |        |         |         |        |        |         |
|----|--------|---------|--------|---------|---------|--------|--------|---------|
| #1 | .00996 | -.00039 | .00343 | -.00337 | -.00241 | .05279 | .00207 | -.00000 |
| #2 | .00702 | .00042  | .00246 | -.00643 | -.00050 | .06460 | .00210 | .00008  |
| #3 | .00413 | -.00104 | .00054 | .00151  | -.00061 | .06958 | .00207 | .00004  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00003 | 2.0857 | .00016 | .00216 | .01251 | .01658 | .00098 | .45571 |
| Stddev | .00002 | .0216  | .00034 | .00017 | .00057 | .00059 | .00008 | .05518 |
| %RSD   | 70.622 | 1.0369 | 215.79 | 7.6747 | 4.5165 | 3.5661 | 8.5086 | 12.108 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00001 | 2.1107 | .00055  | .00220 | .01190 | .01595 | .00106 | .42128 |
| #2 | .00004 | 2.0737 | -.00002 | .00198 | .01262 | .01713 | .00098 | .51935 |
| #3 | .00002 | 2.0728 | -.00006 | .00231 | .01302 | .01664 | .00089 | .42649 |

|        |        |         |        |         |        |        |         |         |
|--------|--------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00133 | -.00175 | 17.267 | -.00067 | .02334 | 56.461 | -.00009 | -.01303 |
| Stddev | .00023 | .00047  | .225   | .00016  | .00006 | .439   | .00041  | .01496  |
| %RSD   | 17.225 | 26.581  | 1.3045 | 23.780  | .24978 | .77834 | 460.68  | 114.81  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00120 | -.00187 | 17.025 | -.00084 | .02336 | 55.983 | -.00046 | -.01521 |
| #2 | .00159 | -.00216 | 17.471 | -.00065 | .02339 | 56.551 | .00035  | .00290  |
| #3 | .00119 | -.00124 | 17.304 | -.00052 | .02327 | 56.848 | -.00016 | -.02677 |

|        |          |        |         |        |        |        |        |         |
|--------|----------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 13.354 | .40958 | -.00598 | .00408 | .00431 | .1200  | .00606 | <.00000 |
| Stddev | .017     | .00406 | .00123  | .00062 | .00070 | .0021  | .00020 | .17214  |
| %RSD   | .12843   | .99169 | 20.586  | 15.062 | 16.331 | 1.728  | 3.3104 | 26.821  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | 13.374 | .40520 | -.00552 | .00372 | .00512 | .1215 | .00623 | -.60459 |
| #2 | 13.343 | .41032 | -.00738 | .00374 | .00403 | .1177 | .00610 | -.49130 |
| #3 | 13.345 | .41323 | -.00505 | .00480 | .00380 | .1209 | .00584 | -.82949 |

Sample Name: K4306-02LX5      Acquired: 8/14/2019 16:29:41      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      2.1116  
%RSD      3705.4

#1      -.72161  
#2      -1.7563  
#3      2.3070

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2585.6 | 28680. | 3021.3 | 35.172 | 2588.0 |
| Stddev    | 3.7    | 291.   | 5.6    | 1.897  | 2.6    |
| %RSD      | .14451 | 1.0133 | .18460 | 5.3946 | .10088 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2589.1 | 29010. | 3027.2 | 37.190 | 2590.4 |
| #2 | 2586.1 | 28465. | 3020.4 | 34.900 | 2588.3 |
| #3 | 2581.6 | 28564. | 3016.2 | 33.425 | 2585.2 |

Sample Name: PB122229BS      Acquired: 8/14/2019 16:34:07      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .81683 | 2.0822 | 1.0459 | 2.0281 | .84889 | 2.1456 | .22742 | .20970 | .20474 |
| Stddev | .00221 | .0062  | .0026  | .0060  | .00164 | .0485  | .00291 | .00056 | .00050 |
| %RSD   | .27088 | .29906 | .25033 | .29428 | .19261 | 2.2580 | 1.2812 | .26536 | .24421 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81608 | 2.0877 | 1.0481 | 2.0350 | .85076 | 2.0947 | .22406 | .20939 | .20528 |
| #2 | .81932 | 2.0755 | 1.0430 | 2.0244 | .84772 | 2.1510 | .22894 | .21034 | .20463 |
| #3 | .81508 | 2.0835 | 1.0465 | 2.0249 | .84818 | 2.1911 | .22926 | .20937 | .20430 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1625 | .45016 | .21146 | .34210 | 3.4237 | .22729 | 2.2028 | .52735 | .07470 |
| Stddev | .0154  | .00159 | .00024 | .00062 | .0062  | .00017 | .0534  | .00124 | .00039 |
| %RSD   | 1.3264 | .35251 | .11492 | .18238 | .18219 | .07314 | 2.4248 | .23526 | .51617 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.1481 | .45062 | .21162 | .34227 | 3.4172 | .22736 | 2.2612 | .52805 | .07447 |
| #2 | 1.1788 | .45146 | .21159 | .34141 | 3.4296 | .22742 | 2.1564 | .52807 | .07447 |
| #3 | 1.1607 | .44839 | .21118 | .34262 | 3.4243 | .22710 | 2.1908 | .52591 | .07514 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.5496 | .33494 | .21139 | 11.215 | .41653 | .30075 | .67658 | .92781 | .69198 |
| Stddev | .0424  | .00088 | .00085 | .077   | .00135 | .00547 | .08599 | .00635 | .00212 |
| %RSD   | 1.1941 | .26210 | .40309 | .68730 | .32506 | 1.8199 | 12.709 | .68456 | .30627 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.5027 | .33507 | .21235 | 11.146 | .41792 | .29938 | .58947 | .93507 | .68965 |
| #2 | 3.5852 | .33574 | .21070 | 11.299 | .41647 | .30677 | .67887 | .92330 | .69379 |
| #3 | 3.5609 | .33400 | .21114 | 11.201 | .41521 | .29609 | .76140 | .92506 | .69251 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21015 | .12584 | 5.778  | .23119 | .72169 | 9.7088 |
| Stddev | .00380 | .00035 | .012   | .00028 | .28434 | 2.4244 |
| %RSD   | 1.8068 | .27832 | .2010  | .12053 | 39.400 | 24.971 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .20674 | .12583 | 5.789 | .23098 | .73344 | 12.004 |
| #2 | .21424 | .12550 | 5.766 | .23109 | .43165 | 7.1732 |
| #3 | .20948 | .12620 | 5.780 | .23151 | .99997 | 9.9491 |

Sample Name: PB122229BS      Acquired: 8/14/2019 16:34:07      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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       | 2570.4 | 28587. | 2989.7 | 35.282 | 2611.7 |
| Stddev    | 14.4   | 55.    | 21.8   | .870   | 13.7   |
| %RSD      | .55845 | .19107 | .72805 | 2.4665 | .52370 |
| #1        | 2554.1 | 28640. | 2964.6 | 34.530 | 2596.0 |
| #2        | 2575.8 | 28531. | 3003.9 | 36.235 | 2618.9 |
| #3        | 2581.3 | 28591. | 3000.5 | 35.080 | 2620.3 |

Sample Name: CCV03      Acquired: 8/14/2019 16:38:15      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | 5.1255 | 5.0675 | 5.0679 | 5.1380 | 5.1228   | 9.9789 | 10.152 | .25640   |
| Stddev | .0040  | .0086  | .0097  | .0053  | .0113    | .0247  | .011   | .00094   |
| %RSD   | .07754 | .16904 | .19172 | .10373 | .22028   | .24771 | .10625 | .36703   |
| #1     | 5.1288 | 5.0749 | 5.0679 | 5.1442 | 5.1262   | 10.003 | 10.164 | .25610   |
| #2     | 5.1211 | 5.0695 | 5.0583 | 5.1345 | 5.1102   | 9.9538 | 10.151 | .25564   |
| #3     | 5.1268 | 5.0581 | 5.0777 | 5.1355 | 5.1321   | 9.9796 | 10.142 | .25745   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5252 | 25.318 | 1.0120 | 2.5063 | 1.2831   | 5.1382 | 2.5528 | 25.389   |
| Stddev | .0046  | .051   | .0022  | .0041  | .0019    | .0079  | .0043  | .045     |
| %RSD   | .18425 | .20328 | .21777 | .16207 | .14515   | .15319 | .17008 | .17698   |
| #1     | 2.5230 | 25.341 | 1.0137 | 2.5043 | 1.2853   | 5.1456 | 2.5548 | 25.388   |
| #2     | 2.5222 | 25.353 | 1.0095 | 2.5037 | 1.2821   | 5.1299 | 2.5479 | 25.344   |
| #3     | 2.5306 | 25.259 | 1.0128 | 2.5110 | 1.2820   | 5.1391 | 2.5559 | 25.434   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5052 | 1.2644 | 25.175 | 2.5186 | 2.4979   | 25.137 | 5.0060 | 4.8887   |
| Stddev | .0031  | .0066  | .069   | .0043  | .0052    | .061   | .0074  | .0566    |
| %RSD   | .12214 | .52369 | .27485 | .16972 | .20987   | .24074 | .14814 | 1.1570   |
| #1     | 2.5038 | 1.2650 | 25.241 | 2.5167 | 2.5003   | 25.148 | 5.0032 | 4.8235   |
| #2     | 2.5031 | 1.2575 | 25.180 | 2.5155 | 2.4919   | 25.071 | 5.0003 | 4.9185   |
| #3     | 2.5087 | 1.2707 | 25.103 | 2.5234 | 2.5016   | 25.190 | 5.0143 | 4.9241   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 5.0153 | 4.9726 | 4.9430 | 4.9714 | F 3.3527 | 5.000  | 5.1438 | F 2.4917 |
| Stddev | .0122  | .0306  | .0222  | .0229  | .0084    | .006   | .0140  | .4293    |
| %RSD   | .24255 | .61442 | .44810 | .46142 | .25097   | .1251  | .27284 | 17.227   |
| #1     | 5.0136 | 4.9373 | 4.9674 | 4.9765 | 3.3501   | 5.005  | 5.1360 | 2.4444   |
| #2     | 5.0041 | 4.9910 | 4.9243 | 4.9914 | 3.3620   | 4.993  | 5.1600 | 2.0881   |
| #3     | 5.0282 | 4.9895 | 4.9372 | 4.9464 | 3.3458   | 5.001  | 5.1354 | 2.9427   |

Sample Name: CCV03      Acquired: 8/14/2019 16:38:15      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.6929  
Stddev      1.4673  
%RSD      86.675

#1      2.7994  
#2      2.2507  
#3      .02847

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2527.5 | 28276. | 2985.7 | 33.485 | 2406.6 |
| Stddev    | 7.0    | 111.   | 6.5    | .544   | 4.5    |
| %RSD      | .27584 | .39415 | .21708 | 1.6252 | .18607 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2519.6 | 28147. | 2979.0 | 33.072 | 2401.4 |
| #2 | 2530.2 | 28348. | 2986.2 | 34.102 | 2409.3 |
| #3 | 2532.7 | 28331. | 2992.0 | 33.282 | 2409.1 |

Sample Name: CCB03      Acquired: 8/14/2019 16:47:14      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |         |        |        |        |
|--------|----------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | F .00531 | -.00037 | .00229 | -.00396 | .00015 | .00436 | .00013 |
| Stddev | .00188   | .00090  | .00135 | .00338  | .00108 | .01658 | .00028 |
| %RSD   | 35.484   | 240.82  | 59.238 | 85.428  | 717.50 | 380.12 | 225.37 |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00738 | .00064  | .00074 | -.00494 | -.00098 | .00100  | -.00019 |
| #2 | .00485 | -.00068 | .00327 | -.00019 | .00025  | .02236  | .00036  |
| #3 | .00369 | -.00108 | .00285 | -.00674 | .00117  | -.01028 | .00021  |

|        |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00006 | -.00000 | -.00745 | -.00012 | -.00000 | -.00027 | -.00017 |
| Stddev | .00004  | .00004  | .01833  | .00018  | .00031  | .00071  | .00102  |
| %RSD   | 63.515  | 2404.1  | 245.93  | 149.43  | 8599.6  | 263.48  | 583.82  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00003 | .00002  | -.01512 | -.00023 | .00032  | .00033  | -.00041 |
| #2 | -.00005 | -.00005 | -.02071 | -.00023 | -.00029 | -.00009 | -.00106 |
| #3 | -.00010 | .00002  | .01347  | .00009  | -.00004 | -.00105 | .00094  |

|        |         |         |        |         |        |         |         |
|--------|---------|---------|--------|---------|--------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00000 | -.00350 | .00102 | -.00152 | .08529 | -.00104 | -.00011 |
| Stddev | .00004  | .07704  | .00035 | .00062  | .01061 | .00054  | .00011  |
| %RSD   | 1835.9  | 2200.5  | 34.290 | 40.458  | 12.446 | 51.428  | 100.06  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00004 | .03355  | .00069 | -.00152 | .08033 | -.00089 | -.00001 |
| #2 | -.00001 | .04801  | .00138 | -.00214 | .07806 | -.00164 | -.00024 |
| #3 | .00004  | -.09207 | .00098 | -.00091 | .09747 | -.00060 | -.00010 |

|        |        |        |         |         |         |         |        |
|--------|--------|--------|---------|---------|---------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .05671 | .00018 | -.00838 | -.00035 | -.00124 | -.00077 | .00128 |
| Stddev | .03280 | .00019 | .01576  | .00303  | .00203  | .00071  | .00345 |
| %RSD   | 57.837 | 110.05 | 188.16  | 868.13  | 164.14  | 92.984  | 269.32 |

|    |        |        |         |         |         |         |         |
|----|--------|--------|---------|---------|---------|---------|---------|
| #1 | .01902 | .00006 | -.00702 | .00268  | -.00276 | .00006  | .00202  |
| #2 | .07227 | .00007 | .00666  | -.00035 | -.00202 | -.00115 | -.00248 |
| #3 | .07882 | .00040 | -.02477 | -.00338 | .00107  | -.00121 | .00430  |



Sample Name: CCB03      Acquired: 8/14/2019 16:47:14      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |         |          |          |
|-----------|--------|--------|---------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg       | .00334 | -.0021 | .00003  | F<.00000 | F<.00000 |
| Stddev    | .00120 | .0020  | .00010  | .58899   | 2.9513   |
| %RSD      | 35.887 | 95.37  | 400.92  | 96.323   | 210.65   |
| #1        | .00351 | -.0003 | .00001  | -.18796  | 1.4841   |
| #2        | .00206 | -.0043 | .00013  | -.36237  | -4.4143  |
| #3        | .00444 | -.0017 | -.00006 | -1.2841  | -1.2730  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2609.7 | 28782. | 3021.4  | 36.018   | 2655.7   |
| Stddev    | 4.7    | 78.    | 12.6    | .819     | 6.5      |
| %RSD      | .17928 | .27055 | .41662  | 2.2747   | .24345   |
| #1        | 2609.2 | 28808. | 3023.3  | 36.945   | 2649.4   |
| #2        | 2614.7 | 28844. | 3032.9  | 35.390   | 2662.3   |
| #3        | 2605.4 | 28695. | 3008.0  | 35.720   | 2655.3   |

Sample Name: K4306-02MS      Acquired: 8/14/2019 16:51:43      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .87435   | 2.1101 | 1.0885 | 2.1497 | .86921 | 2.3992 | .23087 | .22255  |
| Stddev | .00101   | .0066  | .0021  | .0024  | .00226 | .0453  | .00046 | .00057  |
| %RSD   | .11509   | .31154 | .18864 | .11389 | .25960 | 1.8886 | .19904 | .25621  |
| #1     | .87471   | 2.1081 | 1.0908 | 2.1525 | .86803 | 2.3474 | .23039 | .22190  |
| #2     | .87321   | 2.1048 | 1.0877 | 2.1485 | .87181 | 2.4315 | .23131 | .22296  |
| #3     | .87512   | 2.1175 | 1.0870 | 2.1481 | .86778 | 2.4186 | .23090 | .22279  |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .21600   | 10.999 | .44037 | .23174 | .39590 | 3.4584 | .22507 | 4.2250  |
| Stddev | .00018   | .062   | .00207 | .00037 | .00061 | .0078  | .00097 | .1141   |
| %RSD   | .08191   | .56635 | .46924 | .15922 | .15431 | .22499 | .42941 | 2.7002  |
| #1     | .21620   | 10.928 | .43841 | .23206 | .39611 | 3.4509 | .22411 | 4.0939  |
| #2     | .21595   | 11.028 | .44017 | .23133 | .39521 | 3.4579 | .22504 | 4.3014  |
| #3     | .21586   | 11.041 | .44253 | .23182 | .39638 | 3.4665 | .22604 | 4.2797  |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .54828   | .07635 | 87.286 | .33513 | .28732 | 291.00 | .42698 | .30899  |
| Stddev | .00064   | .00080 | .379   | .00082 | .00030 | 2.20   | .00039 | .02099  |
| %RSD   | .11737   | 1.0484 | .43420 | .24337 | .10406 | .75769 | .09216 | 6.7926  |
| #1     | .54902   | .07695 | 86.860 | .33443 | .28766 | 288.45 | .42674 | .28496  |
| #2     | .54791   | .07665 | 87.587 | .33494 | .28718 | 292.20 | .42744 | .31821  |
| #3     | .54789   | .07544 | 87.410 | .33602 | .28712 | 292.34 | .42677 | .32378  |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 68.621 | 2.9948 | .73903 | .23088 | .12219 | 7.271  | .25192 | <.00000 |
| Stddev | .369     | .0200  | .00138 | .00239 | .00187 | .010   | .00105 | .96771  |
| %RSD   | .53755   | .66946 | .18677 | 1.0340 | 1.5282 | .1345  | .41811 | 1375.6  |
| #1     | 68.394   | 3.0105 | .74031 | .22853 | .12063 | 7.274  | .25082 | -.59804 |
| #2     | 68.421   | 3.0016 | .73756 | .23330 | .12168 | 7.260  | .25202 | -.65951 |
| #3     | 69.046   | 2.9722 | .73921 | .23080 | .12426 | 7.279  | .25292 | 1.0465  |

Sample Name: K4306-02MS      Acquired: 8/14/2019 16:51:43      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      1.4653  
%RSD      189.78

#1      -1.1487  
#2      -2.0124  
#3      .84473

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2578.2 | 28440. | 2982.5 | 33.762 | 2447.5 |
| Stddev    | 14.8   | 70.    | 3.5    | .966   | 14.7   |
| %RSD      | .57501 | .24644 | .11684 | 2.8598 | .60023 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2589.4 | 28521. | 2980.7 | 33.887 | 2458.9 |
| #2 | 2583.8 | 28398. | 2980.2 | 32.740 | 2452.8 |
| #3 | 2561.4 | 28402. | 2986.5 | 34.659 | 2431.0 |

Sample Name: K4306-02MSD      Acquired: 8/14/2019 16:55:50      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .86418 | 2.1031 | 1.0769 | 2.1406 | .86421 | 2.3821 | .22929 |
| Stddev | .00119 | .0024  | .0033  | .0130  | .00262 | .0400  | .00108 |
| %RSD   | .13730 | .11575 | .30652 | .60892 | .30313 | 1.6774 | .47107 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .86429 | 2.1005 | 1.0733 | 2.1320 | .86132 | 2.3492 | .22818 |
| #2 | .86531 | 2.1052 | 1.0774 | 2.1342 | .86486 | 2.4266 | .23034 |
| #3 | .86295 | 2.1038 | 1.0798 | 2.1556 | .86644 | 2.3707 | .22936 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22016 | .21409 | 10.877 | .43472 | .22924 | .39077 | 3.4305 |
| Stddev | .00087 | .00023 | .047   | .00118 | .00062 | .00032 | .0053  |
| %RSD   | .39696 | .10700 | .43496 | .27223 | .26889 | .08228 | .15536 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22094 | .21429 | 10.828 | .43609 | .22888 | .39084 | 3.4352 |
| #2 | .21921 | .21384 | 10.922 | .43402 | .22889 | .39042 | 3.4247 |
| #3 | .22032 | .21414 | 10.880 | .43406 | .22995 | .39106 | 3.4317 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22241 | 4.0557 | .54461 | .07533 | 86.957 | .33253 | .28493 |
| Stddev | .00008 | .0694  | .00073 | .00103 | .565   | .00138 | .00017 |
| %RSD   | .03610 | 1.7109 | .13359 | 1.3656 | .65016 | .41452 | .06111 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22245 | 4.0554 | .54379 | .07565 | 86.483 | .33122 | .28502 |
| #2 | .22232 | 4.1252 | .54486 | .07616 | 87.583 | .33240 | .28505 |
| #3 | .22246 | 3.9864 | .54518 | .07418 | 86.804 | .33397 | .28473 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 288.54 | .42139 | .30945 | F 68.389 | 2.9520 | .73485 | .22801 |
| Stddev | 1.97   | .00039 | .01807 | .240     | .0259  | .00286 | .00129 |
| %RSD   | .68208 | .09232 | 5.8395 | .35151   | .87841 | .38960 | .56663 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 287.26 | .42145 | .29254 | 68.298 | 2.9798 | .73630 | .22809 |
| #2 | 290.80 | .42098 | .32849 | 68.207 | 2.9285 | .73670 | .22926 |
| #3 | 287.55 | .42175 | .30733 | 68.661 | 2.9478 | .73155 | .22668 |

Sample Name: K4306-02MSD      Acquired: 8/14/2019 16:55:50      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .12009 | 7.245  | .24921 | .14795  | F<.00000 |
| Stddev    | .00124 | .003   | .00048 | .22312  | 1.8137   |
| %RSD      | 1.0362 | .0420  | .19109 | 150.81  | 69.957   |
| #1        | .12149 | 7.242  | .24930 | .28899  | -1.1817  |
| #2        | .11913 | 7.245  | .24963 | .26415  | -1.9577  |
| #3        | .11963 | 7.248  | .24869 | -.10929 | -4.6384  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2578.9 | 28587. | 3009.3 | 34.713  | 2443.1   |
| Stddev    | 4.7    | 30.    | 17.9   | .545    | 6.8      |
| %RSD      | .18302 | .10491 | .59444 | 1.5704  | .27906   |
| #1        | 2579.6 | 28622. | 2989.4 | 34.085  | 2446.7   |
| #2        | 2583.2 | 28572. | 3024.2 | 34.989  | 2447.3   |
| #3        | 2573.8 | 28568. | 3014.3 | 35.064  | 2435.2   |

Sample Name: K4306-02A      Acquired: 8/14/2019 16:59:56      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .86706 | 2.1074 | 1.0735 | 2.1320 | .86296 | 2.3607 | .22979 |
| Stddev | .00428 | .0020  | .0032  | .0026  | .00308 | .0152  | .00234 |
| %RSD   | .49414 | .09666 | .29586 | .12117 | .35697 | .64273 | 1.0176 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .86269 | 2.1076 | 1.0698 | 2.1320 | .85993 | 2.3529 | .22723 |
| #2 | .87125 | 2.1053 | 1.0752 | 2.1345 | .86609 | 2.3511 | .23031 |
| #3 | .86726 | 2.1093 | 1.0754 | 2.1294 | .86287 | 2.3782 | .23182 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21966 | .21413 | 10.931 | .43699 | .22952 | .38921 | 3.4469 |
| Stddev | .00080 | .00040 | .033   | .00082 | .00084 | .00082 | .0032  |
| %RSD   | .36560 | .18807 | .30143 | .18758 | .36443 | .21194 | .09441 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21876 | .21373 | 10.894 | .43647 | .23021 | .38973 | 3.4467 |
| #2 | .21990 | .21412 | 10.956 | .43656 | .22859 | .38826 | 3.4437 |
| #3 | .22031 | .21453 | 10.943 | .43793 | .22978 | .38964 | 3.4502 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22295 | 4.1508 | .54534 | .07594 | 87.126 | .33553 | .28286 |
| Stddev | .00072 | .0650  | .00139 | .00111 | .457   | .00076 | .00025 |
| %RSD   | .32390 | 1.5671 | .25531 | 1.4578 | .52456 | .22726 | .08863 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22235 | 4.0772 | .54648 | .07536 | 86.598 | .33561 | .28261 |
| #2 | .22375 | 4.2004 | .54575 | .07525 | 87.406 | .33625 | .28311 |
| #3 | .22276 | 4.1749 | .54379 | .07722 | 87.372 | .33473 | .28287 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 287.58 | .41984 | .30655 | F 68.384 | 2.9609 | .73252 | .22757 |
| Stddev | .79    | .00048 | .01128 | .071     | .0227  | .00275 | .00229 |
| %RSD   | .27475 | .11427 | 3.6795 | .10401   | .76837 | .37569 | 1.0064 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 286.91 | .41959 | .30168 | 68.302 | 2.9769 | .72935 | .23017 |
| #2 | 287.38 | .42039 | .31944 | 68.430 | 2.9349 | .73383 | .22585 |
| #3 | 288.45 | .41953 | .29851 | 68.420 | 2.9709 | .73436 | .22670 |

Sample Name: K4306-02A      Acquired: 8/14/2019 16:59:56      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .11967 | 7.252  | .24930 | .83561 | F<.00000 |
| Stddev    | .00088 | .011   | .00063 | .79066 | 2.0202   |
| %RSD      | .73902 | .1466  | .25280 | 94.621 | 140.84   |
| #1        | .11992 | 7.263  | .24861 | 1.6297 | .26848   |
| #2        | .12040 | 7.252  | .24946 | .82867 | -.90507  |
| #3        | .11869 | 7.242  | .24984 | .04844 | -3.6665  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 2594.3 | 28718. | 3010.5 | 35.019 | 2452.3   |
| Stddev    | 4.6    | 99.    | 9.2    | 1.732  | 4.7      |
| %RSD      | .17594 | .34426 | .30566 | 4.9461 | .19163   |
| #1        | 2594.1 | 28814. | 3001.4 | 34.805 | 2454.4   |
| #2        | 2589.9 | 28725. | 3010.1 | 36.849 | 2447.0   |
| #3        | 2599.0 | 28616. | 3019.8 | 33.405 | 2455.7   |

Sample Name: K4307-01      Acquired: 8/14/2019 17:04:03      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | -.00068 | -.00990 | .00168 | .00803 | .00255 | .15499 | .02673 | .00006 |
| Stddev | .00489  | .00163  | .00064 | .00160 | .00196 | .02157 | .00124 | .00005 |
| %RSD   | 714.30  | 16.428  | 37.923 | 19.962 | 76.666 | 13.915 | 4.6335 | 85.685 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00165 | -.01136 | .00137 | .00855 | .00252 | .13577 | .02531 | .00005 |
| #2 | .00461  | -.01020 | .00126 | .00930 | .00061 | .17832 | .02733 | .00012 |
| #3 | -.00501 | -.00815 | .00242 | .00623 | .00452 | .15089 | .02756 | .00002 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00002 | 45.295 | .00593 | .00037 | .28678 | .13129 | .03814 | 10.159 |
| Stddev | .00005 | .156   | .00017 | .00037 | .00091 | .00152 | .00004 | .023   |
| %RSD   | 255.74 | .34406 | 2.9231 | 100.27 | .31761 | 1.1609 | .11313 | .22208 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00004  | 45.182 | .00601 | .00008 | .28576 | .13305 | .03818 | 10.181 |
| #2 | .00005  | 45.230 | .00604 | .00024 | .28753 | .13033 | .03810 | 10.159 |
| #3 | -.00004 | 45.472 | .00573 | .00079 | .28704 | .13049 | .03813 | 10.136 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00962 | -.00225 | 90.834 | .00070 | .20134 | 5.0898 | .00136 | .08040 |
| Stddev | .00035 | .00017  | .262   | .00016 | .00054 | .0661  | .00006 | .00783 |
| %RSD   | 3.5985 | 7.6339  | .28846 | 22.424 | .26876 | 1.2983 | 4.3376 | 9.7432 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00929 | -.00216 | 90.639 | .00085 | .20195 | 5.1067 | .00133 | .07284 |
| #2 | .00999 | -.00215 | 90.730 | .00072 | .20091 | 5.0169 | .00142 | .08848 |
| #3 | .00960 | -.00245 | 91.132 | .00054 | .20118 | 5.1458 | .00131 | .07988 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 7.8598 | 5.3236 | .00586 | .00228 | .00108 | 6.550  | .12758 | <.00000 |
| Stddev | .0201  | .0165  | .00028 | .00238 | .00075 | .017   | .00027 | .32634  |
| %RSD   | .25527 | .30955 | 4.7331 | 104.55 | 68.948 | .2585  | .21007 | 9.9307  |

|    |        |        |        |         |        |       |        |         |
|----|--------|--------|--------|---------|--------|-------|--------|---------|
| #1 | 7.8829 | 5.3384 | .00578 | .00414  | .00194 | 6.568 | .12733 | -3.6598 |
| #2 | 7.8494 | 5.3266 | .00564 | -.00040 | .00068 | 6.534 | .12786 | -3.1416 |
| #3 | 7.8470 | 5.3058 | .00617 | .00309  | .00062 | 6.548 | .12754 | -3.0570 |



Sample Name: K4307-01      Acquired: 8/14/2019 17:04:03      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.3439  
 Stddev      1.8367  
 %RSD      54.928

#1      3.8408  
 #2      1.3098  
 #3      4.8810

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2605.3 | 29714. | 3163.1 | 35.228 | 2707.2 |
| Stddev    | 9.8    | 13.    | 12.4   | .488   | 4.3    |
| %RSD      | .37671 | .04470 | .39163 | 1.3859 | .15779 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2616.3 | 29700. | 3154.1 | 35.552 | 2712.1 |
| #2 | 2597.4 | 29719. | 3158.0 | 35.467 | 2705.3 |
| #3 | 2602.3 | 29725. | 3177.2 | 34.667 | 2704.3 |

Sample Name: K4320-01      Acquired: 8/14/2019 17:08:22      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00223 | .00002 | .13375 | .00813 | .03280 | 4.1223 | 3.2130 |
| Stddev | .00175  | .00221 | .00157 | .00425 | .00096 | .0330  | .0123  |
| %RSD   | 78.216  | 10751. | 1.1746 | 52.249 | 2.9137 | .80062 | .38201 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00420 | .00257  | .13247 | .00550 | .03198 | 4.1077 | 3.2092 |
| #2 | -.00160 | -.00124 | .13550 | .01303 | .03385 | 4.1600 | 3.2267 |
| #3 | -.00089 | -.00127 | .13328 | .00586 | .03256 | 4.0990 | 3.2031 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00046 | .00289 | 24.009 | .06327 | .00585 | .42591 | 38.935 |
| Stddev | .00010 | .00016 | .045   | .00051 | .00036 | .00047 | .061   |
| %RSD   | 21.391 | 5.5262 | .18695 | .80159 | 6.1207 | .11110 | .15762 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00057 | .00270 | 23.958 | .06271 | .00544 | .42644 | 38.996 |
| #2 | .00040 | .00296 | 24.028 | .06340 | .00608 | .42554 | 38.936 |
| #3 | .00040 | .00300 | 24.042 | .06369 | .00604 | .42574 | 38.873 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .31990 | 5.1407 | .04657 | .00146 | 439.36 | .00897 | 5.9142 |
| Stddev | .00052 | .0791  | .00048 | .00064 | 2.49   | .00071 | .0055  |
| %RSD   | .16133 | 1.5390 | 1.0408 | 43.634 | .56696 | 7.8844 | .09266 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .31999 | 5.1197 | .04687 | .00217 | 442.08 | .00930 | 5.9114 |
| #2 | .32037 | 5.2282 | .04601 | .00126 | 438.81 | .00816 | 5.9205 |
| #3 | .31935 | 5.0742 | .04684 | .00095 | 437.19 | .00945 | 5.9106 |

|        |        |        |        |          |          |         |        |
|--------|--------|--------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 21.824 | .01277 | 1.6889 | F 97.322 | F 23.153 | -.01225 | .08027 |
| Stddev | .158   | .00002 | .0547  | .055     | .297     | .00088  | .00179 |
| %RSD   | .72331 | .15450 | 3.2368 | .05643   | 1.2827   | 7.1534  | 2.2249 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 21.713 | .01279 | 1.6294 | 97.322 | 23.316 | -.01128 | .07855 |
| #2 | 22.004 | .01277 | 1.7368 | 97.377 | 22.811 | -.01249 | .08212 |
| #3 | 21.753 | .01275 | 1.7005 | 97.267 | 23.334 | -.01298 | .08013 |

Sample Name: K4320-01      Acquired: 8/14/2019 17:08:22      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01610 | 7.176  | .11842 | 2.0587 | F<.00000 |
| Stddev | .00123 | .010   | .00068 | .2327  | 2.8563   |
| %RSD   | 7.6667 | .1453  | .57337 | 11.304 | 45.529   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .01589 | 7.182 | .11765 | 2.0467 | -8.7502 |
| #2 | .01743 | 7.182 | .11891 | 2.2972 | -6.9220 |
| #3 | .01499 | 7.164 | .11872 | 1.8322 | -3.1490 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2504.5 | 27812. | 2989.8 | 34.423 | 2350.4 |
| Stddev    | 7.0    | 173.   | 29.2   | .996   | 4.1    |
| %RSD      | .28089 | .62245 | .97774 | 2.8920 | .17575 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2511.1 | 27659. | 2967.9 | 33.844 | 2352.2 |
| #2 | 2497.1 | 27776. | 3023.0 | 35.572 | 2345.6 |
| #3 | 2505.2 | 28000. | 2978.6 | 33.852 | 2353.3 |

Sample Name: PB122251BL      Acquired: 8/14/2019 17:12:47      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |          |        |        |        |         |
|--------|--------|---------|----------|--------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203   | Se1960 | Sb2068 | Al3961 | Ba4934  |
| Units  | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00351 | -.00185 | F .00355 | .00096 | .00385 | .00015 | -.00051 |
| Stddev | .00379 | .00108  | .00048   | .00096 | .00246 | .00836 | .00042  |
| %RSD   | 108.02 | 58.275  | 13.569   | 99.878 | 63.962 | 5393.9 | 83.307  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | .00313  | -.00114 | .00359 | .00178  | .00669 | .00247  | -.00049 |
| #2 | -.00008 | -.00132 | .00401 | .00119  | .00248 | .00711  | -.00094 |
| #3 | .00748  | -.00309 | .00305 | -.00009 | .00238 | -.00912 | -.00009 |

|        |        |         |         |         |        |        |        |
|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00001 | -.00007 | -.02336 | -.00017 | .00002 | .00016 | .00221 |
| Stddev | .00006 | .00013  | .02336  | .00012  | .00018 | .00063 | .00119 |
| %RSD   | 674.92 | 178.01  | 99.993  | 67.284  | 835.18 | 401.69 | 53.752 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00006 | .00007  | -.02496 | -.00029 | -.00018 | -.00004 | .00268 |
| #2 | .00006  | -.00017 | -.04588 | -.00006 | .00017  | -.00035 | .00309 |
| #3 | .00002  | -.00012 | .00076  | -.00017 | .00008  | .00086  | .00086 |

|        |         |         |        |         |          |         |        |
|--------|---------|---------|--------|---------|----------|---------|--------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895   | V_2924  | Zn2138 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm      | ppm     | ppm    |
| Avg    | -.00001 | -.02416 | .00042 | -.00178 | F .58116 | -.00044 | .00012 |
| Stddev | .00006  | .05593  | .00048 | .00042  | .03272   | .00063  | .00033 |
| %RSD   | 511.16  | 231.46  | 112.68 | 23.503  | 5.6298   | 143.11  | 280.19 |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00007 | .04038  | .00010 | -.00151 | .61330 | -.00116 | .00046  |
| #2 | .00001  | -.05835 | .00020 | -.00226 | .58228 | -.00016 | .00008  |
| #3 | .00003  | -.05452 | .00097 | -.00156 | .54789 | .00000  | -.00019 |

|        |          |        |         |          |        |         |        |
|--------|----------|--------|---------|----------|--------|---------|--------|
| Elem   | K_7664   | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm      | ppm    | ppm     | ppm      | ppm    | ppm     | ppm    |
| Avg    | F .74837 | .00016 | -.03824 | F .02218 | .01500 | -.00136 | .00015 |
| Stddev | .06835   | .00050 | .01231  | .00429   | .00245 | .00023  | .00248 |
| %RSD   | 9.1337   | 313.04 | 32.201  | 19.355   | 16.361 | 16.678  | 1636.3 |

|    |        |         |         |        |        |         |         |
|----|--------|---------|---------|--------|--------|---------|---------|
| #1 | .81754 | -.00035 | -.02559 | .02682 | .01231 | -.00162 | .00105  |
| #2 | .68086 | .00018  | -.05019 | .02139 | .01712 | -.00127 | -.00265 |
| #3 | .74671 | .00065  | -.03892 | .01835 | .01556 | -.00119 | .00205  |

Sample Name: PB122251BL      Acquired: 8/14/2019 17:12:47      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |        |         |          |          |
|--------|----------|--------|---------|----------|----------|
| Elem   | Li6707   | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm      | ppm    | ppm     | ppm      | ppm      |
| Avg    | F .00941 | -.0002 | -.00004 | F<.00000 | F .56788 |
| Stddev | .00019   | .0020  | .00014  | .13199   | 2.7575   |
| %RSD   | 1.9899   | 1185.  | 326.42  | 103.92   | 485.57   |

|    |        |        |         |         |         |
|----|--------|--------|---------|---------|---------|
| #1 | .00962 | -.0024 | .00005  | -.00559 | 3.4709  |
| #2 | .00933 | .0009  | -.00020 | -.10796 | .24900  |
| #3 | .00927 | .0011  | .00003  | -.26749 | -2.0163 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2560.7 | 28374. | 2985.7 | 33.948 | 2587.3 |
| Stddev    | 2.7    | 78.    | 22.7   | 1.029  | 1.3    |
| %RSD      | .10372 | .27629 | .76168 | 3.0317 | .05056 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2559.5 | 28424. | 2964.2 | 32.955 | 2588.8 |
| #2 | 2563.7 | 28283. | 3009.5 | 33.880 | 2586.8 |
| #3 | 2558.8 | 28414. | 2983.4 | 35.010 | 2586.3 |

Sample Name: PB122251BS      Acquired: 8/14/2019 17:17:14      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75304 | 1.8882 | .94956 | 1.8456 | .82203 | 1.9334 | .20483 |
| Stddev | .00171 | .0027  | .00118 | .0055  | .00263 | .0256  | .00381 |
| %RSD   | .22692 | .14261 | .12400 | .30027 | .31980 | 1.3235 | 1.8611 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75497 | 1.8851 | .95014 | 1.8459 | .81922 | 1.9116 | .20086 |
| #2 | .75172 | 1.8894 | .95033 | 1.8399 | .82243 | 1.9271 | .20516 |
| #3 | .75243 | 1.8900 | .94820 | 1.8510 | .82443 | 1.9616 | .20846 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19029 | .18574 | 1.0533 | .40640 | .19255 | .31136 | 3.1065 |
| Stddev | .00029 | .00017 | .0285  | .00244 | .00005 | .00104 | .0090  |
| %RSD   | .15175 | .08887 | 2.7055 | .60058 | .02632 | .33370 | .29064 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18996 | .18556 | 1.0841 | .40619 | .19260 | .31253 | 3.1166 |
| #2 | .19041 | .18589 | 1.0278 | .40406 | .19250 | .31100 | 3.1035 |
| #3 | .19051 | .18577 | 1.0480 | .40893 | .19257 | .31054 | 3.0993 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20436 | 1.9777 | .48204 | .06845 | 3.2375 | .30197 | .18756 |
| Stddev | .00058 | .1036  | .00233 | .00094 | .0455  | .00081 | .00048 |
| %RSD   | .28282 | 5.2386 | .48338 | 1.3670 | 1.4067 | .26819 | .25811 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20375 | 1.8707 | .48443 | .06828 | 3.1858 | .30257 | .18763 |
| #2 | .20442 | 2.0776 | .47978 | .06761 | 3.2550 | .30229 | .18705 |
| #3 | .20490 | 1.9847 | .48190 | .06946 | 3.2717 | .30105 | .18801 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.098 | .40611 | .25528 | F .00576 | .91768 | .67483 | .20385 |
| Stddev | .103   | .00076 | .01218 | .00156   | .01142 | .00049 | .00239 |
| %RSD   | 1.0161 | .18800 | 4.7710 | 27.039   | 1.2448 | .07284 | 1.1722 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.9839 | .40676 | .24937 | .00630 | .92997 | .67443 | .20511 |
| #2 | 10.129 | .40527 | .24718 | .00400 | .91568 | .67538 | .20109 |
| #3 | 10.182 | .40631 | .26928 | .00698 | .90739 | .67468 | .20534 |

Sample Name: PB122251BS      Acquired: 8/14/2019 17:17:14      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |          |          |
|--------|----------|--------|--------|----------|----------|
| Elem   | Li6707   | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm      |
| Avg    | F .11416 | 5.238  | .20679 | F<.00000 | F 7.0862 |
| Stddev | .00167   | .006   | .00179 | .31841   | 1.6961   |
| %RSD   | 1.4602   | .1204  | .86349 | 52.457   | 23.936   |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | .11524 | 5.243 | .20542 | -.75120 | 9.0318 |
| #2 | .11224 | 5.231 | .20614 | -.82779 | 5.9188 |
| #3 | .11499 | 5.240 | .20881 | -.24200 | 6.3080 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2587.1 | 28831. | 3013.3 | 35.053 | 2623.4 |
| Stddev    | 9.1    | 45.    | 31.9   | .958   | 5.8    |
| %RSD      | .35280 | .15476 | 1.0581 | 2.7330 | .21931 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2590.4 | 28854. | 2978.2 | 34.295 | 2627.6 |
| #2 | 2576.8 | 28780. | 3021.2 | 36.130 | 2616.8 |
| #3 | 2594.1 | 28859. | 3040.5 | 34.735 | 2625.7 |

Sample Name: PB122253BL      Acquired: 8/14/2019 17:21:23      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |         |        |
|--------|--------|---------|--------|---------|--------|---------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00304 | -.00149 | .00220 | -.00315 | .00229 | -.01330 | .00020 |
| Stddev | .00112 | .00099  | .00106 | .00262  | .00168 | .01950  | .00071 |
| %RSD   | 36.908 | 66.544  | 48.102 | 83.269  | 73.542 | 146.58  | 360.20 |

|    |        |         |        |         |        |         |         |
|----|--------|---------|--------|---------|--------|---------|---------|
| #1 | .00383 | -.00106 | .00252 | -.00014 | .00090 | .00113  | -.00063 |
| #2 | .00176 | -.00079 | .00102 | -.00434 | .00181 | -.03549 | .00059  |
| #3 | .00353 | -.00263 | .00307 | -.00497 | .00416 | -.00556 | .00063  |

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00012 | -.00004 | -.02870 | -.00029 | -.00005 | -.00047 | .00133 |
| Stddev | .00011 | .00004  | .00641  | .00054  | .00001  | .00105  | .00088 |
| %RSD   | 97.479 | 112.59  | 22.317  | 187.84  | 15.324  | 222.45  | 66.052 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00010 | -.00001 | -.02886 | -.00037 | -.00004 | -.00165 | .00039 |
| #2 | .00024 | -.00002 | -.03502 | -.00078 | -.00006 | -.00011 | .00146 |
| #3 | .00001 | -.00009 | -.02222 | .00029  | -.00005 | .00035  | .00214 |

|        |         |        |        |         |        |         |         |
|--------|---------|--------|--------|---------|--------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00007 | .01659 | .00108 | -.00111 | .19640 | -.00074 | -.00033 |
| Stddev | .00006  | .06183 | .00041 | .00063  | .00720 | .00051  | .00003  |
| %RSD   | 84.385  | 372.62 | 37.939 | 57.380  | 3.6672 | 69.609  | 7.8053  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00012 | .07680  | .00153 | -.00177 | .19902 | -.00095 | -.00033 |
| #2 | -.00008 | -.04674 | .00100 | -.00050 | .20193 | -.00015 | -.00030 |
| #3 | -.00001 | .01972  | .00072 | -.00105 | .18826 | -.00112 | -.00036 |

|        |        |         |         |        |        |         |        |
|--------|--------|---------|---------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .18602 | -.00016 | -.04021 | .00044 | .00105 | -.00158 | .00015 |
| Stddev | .06606 | .00029  | .02340  | .00476 | .00221 | .00082  | .00343 |
| %RSD   | 35.509 | 181.51  | 58.184  | 1072.5 | 209.34 | 52.156  | 2358.8 |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .24814 | -.00037 | -.05122 | -.00440 | .00360  | -.00222 | -.00334 |
| #2 | .11663 | -.00027 | -.01334 | .00511  | -.00007 | -.00065 | .00028  |
| #3 | .19330 | .00017  | -.05607 | .00061  | -.00036 | -.00186 | .00350  |



Sample Name: PB122253BL      Acquired: 8/14/2019 17:21:23      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |        |         |          |          |
|--------|----------|--------|---------|----------|----------|
| Elem   | Li6707   | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm      | ppm    | ppm     | ppm      | ppm      |
| Avg    | F .00544 | .0005  | -.00011 | F .91070 | F<.00000 |
| Stddev | .00142   | .0035  | .00017  | .74838   | 1.9430   |
| %RSD   | 26.031   | 687.3  | 159.08  | 82.177   | 431.35   |

|    |        |        |         |        |         |
|----|--------|--------|---------|--------|---------|
| #1 | .00514 | .0046  | -.00030 | .10083 | 1.7331  |
| #2 | .00419 | -.0018 | .00001  | 1.0546 | -1.9889 |
| #3 | .00697 | -.0013 | -.00003 | 1.5767 | -1.0955 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2600.5 | 28981. | 3030.2 | 35.712 | 2640.7 |
| Stddev    | 3.3    | 16.    | 15.1   | 1.106  | 3.7    |
| %RSD      | .12763 | .05687 | .49908 | 3.0981 | .14125 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2598.1 | 28965. | 3018.3 | 34.945 | 2636.4 |
| #2 | 2599.2 | 28998. | 3025.2 | 36.980 | 2642.5 |
| #3 | 2604.3 | 28980. | 3047.2 | 35.210 | 2643.2 |

Sample Name: PB122253BS      Acquired: 8/14/2019 17:25:50      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .74799 | 1.8608 | .94017 | 1.8337 | .79871 | 1.9079 | .20196 |
| Stddev | .00316 | .0043  | .00082 | .0088  | .00215 | .0476  | .00165 |
| %RSD   | .42231 | .22921 | .08747 | .47892 | .26864 | 2.4925 | .81839 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74575 | 1.8652 | .94087 | 1.8417 | .79977 | 1.8530 | .20043 |
| #2 | .74662 | 1.8607 | .93926 | 1.8243 | .80011 | 1.9355 | .20174 |
| #3 | .75160 | 1.8567 | .94038 | 1.8349 | .79624 | 1.9353 | .20371 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18869 | .18363 | 1.0080 | .40243 | .19123 | .30904 | 3.0782 |
| Stddev | .00041 | .00048 | .0173  | .00139 | .00062 | .00059 | .0030  |
| %RSD   | .21955 | .26401 | 1.7126 | .34640 | .32673 | .18974 | .09710 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18915 | .18417 | 1.0055 | .40258 | .19110 | .30966 | 3.0769 |
| #2 | .18835 | .18323 | .99211 | .40373 | .19191 | .30896 | 3.0760 |
| #3 | .18858 | .18350 | 1.0264 | .40096 | .19069 | .30849 | 3.0816 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20389 | 1.9399 | .47609 | .06712 | 3.0770 | .30042 | .18624 |
| Stddev | .00025 | .0483  | .00132 | .00131 | .0130  | .00133 | .00060 |
| %RSD   | .12441 | 2.4904 | .27776 | 1.9525 | .42094 | .44205 | .31969 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20418 | 1.8980 | .47753 | .06650 | 3.0629 | .30033 | .18682 |
| #2 | .20371 | 1.9289 | .47494 | .06863 | 3.0798 | .30179 | .18563 |
| #3 | .20378 | 1.9927 | .47579 | .06623 | 3.0883 | .29914 | .18628 |

|        |        |        |          |           |        |        |        |
|--------|--------|--------|----------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496   | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm      | ppm       | ppm    | ppm    | ppm    |
| Avg    | 9.6857 | .39537 | F .23326 | F -.00316 | .89121 | .65167 | .19696 |
| Stddev | .0773  | .00021 | .01042   | .00399    | .00120 | .00144 | .00096 |
| %RSD   | .79778 | .05419 | 4.4685   | 126.35    | .13500 | .22038 | .48570 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.5969 | .39530 | .23776 | -.00571 | .89241 | .65151 | .19664 |
| #2 | 9.7226 | .39561 | .24068 | .00144  | .89121 | .65031 | .19621 |
| #3 | 9.7376 | .39520 | .22134 | -.00520 | .89001 | .65317 | .19804 |

Sample Name: PB122253BS      Acquired: 8/14/2019 17:25:50      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |          |        |        |          |          |
|-----------|----------|--------|--------|----------|----------|
| Elem      | Li6707   | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm      | ppm    | ppm    | ppm      | ppm      |
| Avg       | F .11055 | 5.163  | .20527 | F .37151 | F 6.8120 |
| Stddev    | .00128   | .011   | .00089 | .81627   | 1.1567   |
| %RSD      | 1.1617   | .2048  | .43374 | 219.72   | 16.980   |
| #1        | .10910   | 5.167  | .20572 | 1.3121   | 6.0457   |
| #2        | .11099   | 5.170  | .20586 | -.04662  | 8.1425   |
| #3        | .11155   | 5.151  | .20425 | -.15098  | 6.2478   |
| Int. Std. | Y_2243   | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S    | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2598.0   | 29151. | 3025.7 | 35.185   | 2638.6   |
| Stddev    | 2.7      | 54.    | 30.9   | .769     | 4.0      |
| %RSD      | .10511   | .18583 | 1.0200 | 2.1864   | .15126   |
| #1        | 2596.5   | 29113. | 2996.6 | 34.310   | 2634.4   |
| #2        | 2601.2   | 29127. | 3022.4 | 35.755   | 2642.3   |
| #3        | 2596.4   | 29213. | 3058.0 | 35.490   | 2639.0   |

Sample Name: PB122262BL      Acquired: 8/14/2019 17:29:59      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00440 | -.00057 | .00093 | .00249 | .00140 | -.00655 | .00017 |
| Stddev | .00170 | .00012  | .00173 | .00327 | .00111 | .02042  | .00080 |
| %RSD   | 38.675 | 20.571  | 185.73 | 131.65 | 79.496 | 311.97  | 474.95 |

|    |        |         |         |        |        |         |         |
|----|--------|---------|---------|--------|--------|---------|---------|
| #1 | .00430 | -.00048 | -.00096 | .00067 | .00116 | -.02487 | .00015  |
| #2 | .00275 | -.00070 | .00243  | .00052 | .00261 | -.01025 | -.00062 |
| #3 | .00615 | -.00053 | .00132  | .00627 | .00043 | .01548  | .00098  |

|        |         |        |         |         |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00005 | .00002 | -.02865 | -.00026 | .00010 | .00028 | .00056 |
| Stddev | .00002  | .00008 | .01860  | .00053  | .00020 | .00059 | .00066 |
| %RSD   | 46.310  | 368.93 | 64.910  | 203.42  | 204.24 | 206.99 | 118.42 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00007 | -.00000 | -.05011 | -.00075 | .00030  | .00026  | .00124  |
| #2 | -.00005 | -.00004 | -.01705 | -.00033 | -.00009 | .00089  | .00052  |
| #3 | -.00003 | .00011  | -.01880 | .00030  | .00008  | -.00029 | -.00008 |

|        |         |         |        |         |        |         |         |
|--------|---------|---------|--------|---------|--------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00007 | -.01689 | .00082 | -.00158 | .12983 | -.00032 | -.00033 |
| Stddev | .00017  | .02728  | .00031 | .00073  | .01210 | .00022  | .00009  |
| %RSD   | 254.51  | 161.49  | 38.218 | 45.939  | 9.3233 | 70.270  | 28.072  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00011 | -.00477 | .00046 | -.00076 | .11922 | -.00010 | -.00033 |
| #2 | -.00021 | -.04813 | .00106 | -.00213 | .14302 | -.00054 | -.00024 |
| #3 | .00012  | .00222  | .00093 | -.00186 | .12725 | -.00031 | -.00042 |

|        |        |        |         |         |         |         |        |
|--------|--------|--------|---------|---------|---------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .13263 | .00030 | -.01255 | -.00386 | -.00174 | -.00090 | .00282 |
| Stddev | .01778 | .00022 | .00726  | .00169  | .00170  | .00044  | .00250 |
| %RSD   | 13.402 | 71.987 | 57.890  | 43.890  | 97.853  | 49.224  | 88.684 |

|    |        |        |         |         |         |         |         |
|----|--------|--------|---------|---------|---------|---------|---------|
| #1 | .13120 | .00014 | -.00762 | -.00214 | -.00212 | -.00112 | .00460  |
| #2 | .15107 | .00055 | -.00913 | -.00552 | .00012  | -.00039 | .00391  |
| #3 | .11561 | .00022 | -.02089 | -.00391 | -.00321 | -.00119 | -.00004 |

Sample Name: PB122262BL      Acquired: 8/14/2019 17:29:59      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |          |          |
|--------|--------|--------|---------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg    | .00427 | -.0016 | -.00020 | F .62615 | F<.00000 |
| Stddev | .00081 | .0012  | .00005  | .09389   | 1.6110   |
| %RSD   | 18.875 | 73.71  | 23.333  | 14.994   | 89.959   |

|    |        |        |         |        |         |
|----|--------|--------|---------|--------|---------|
| #1 | .00512 | -.0005 | -.00016 | .57742 | -1.6550 |
| #2 | .00417 | -.0015 | -.00026 | .73438 | -.25203 |
| #3 | .00352 | -.0028 | -.00019 | .56664 | -3.4655 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2597.4 | 28664. | 3019.1 | 35.652 | 2638.1 |
| Stddev    | 12.5   | 163.   | 20.0   | .611   | 7.5    |
| %RSD      | .48229 | .57006 | .66186 | 1.7138 | .28534 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2602.6 | 28549. | 2996.4 | 35.835 | 2645.6 |
| #2 | 2583.1 | 28593. | 3034.0 | 36.150 | 2630.5 |
| #3 | 2606.4 | 28851. | 3026.8 | 34.970 | 2638.2 |

Sample Name: CCV04      Acquired: 8/14/2019 17:34:28      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | 5.0906 | 5.0619 | 5.0761 | 5.1100 | 5.1046   | 9.9927 | 10.195 | .25717   |
| Stddev | .0167  | .0134  | .0110  | .0069  | .0069    | .0443  | .061   | .00090   |
| %RSD   | .32865 | .26426 | .21743 | .13590 | .13487   | .44301 | .59792 | .34806   |
| #1     | 5.0922 | 5.0478 | 5.0799 | 5.1036 | 5.0992   | 9.9430 | 10.134 | .25728   |
| #2     | 5.0732 | 5.0744 | 5.0847 | 5.1173 | 5.1021   | 10.028 | 10.256 | .25801   |
| #3     | 5.1065 | 5.0636 | 5.0637 | 5.1090 | 5.1123   | 10.007 | 10.195 | .25623   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5311 | 25.423 | 1.0190 | 2.5249 | 1.2858   | 5.1608 | 2.5611 | 25.344   |
| Stddev | .0021  | .035   | .0035  | .0010  | .0015    | .0115  | .0062  | .292     |
| %RSD   | .08102 | .13736 | .34727 | .04043 | .11965   | .22261 | .24208 | 1.1506   |
| #1     | 2.5301 | 25.394 | 1.0230 | 2.5260 | 1.2842   | 5.1738 | 2.5662 | 25.019   |
| #2     | 2.5334 | 25.412 | 1.0179 | 2.5241 | 1.2873   | 5.1561 | 2.5628 | 25.584   |
| #3     | 2.5297 | 25.462 | 1.0161 | 2.5246 | 1.2860   | 5.1523 | 2.5542 | 25.427   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5192 | 1.2670 | 25.263 | 2.5315 | 2.5114   | 25.178 | 5.0475 | 4.8894   |
| Stddev | .0014  | .0086  | .134   | .0101  | .0013    | .070   | .0109  | .0188    |
| %RSD   | .05613 | .67483 | .52926 | .39971 | .05090   | .27637 | .21609 | .38466   |
| #1     | 2.5202 | 1.2763 | 25.113 | 2.5429 | 2.5099   | 25.198 | 5.0368 | 4.8811   |
| #2     | 2.5198 | 1.2650 | 25.371 | 2.5281 | 2.5118   | 25.100 | 5.0471 | 4.8761   |
| #3     | 2.5176 | 1.2596 | 25.304 | 2.5236 | 2.5124   | 25.235 | 5.0586 | 4.9109   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 4.9469 | 4.9946 | 4.9963 | 5.0287 | F 3.9017 | 4.985  | 5.1663 | F 2.4620 |
| Stddev | .0023  | .0207  | .0137  | .0094  | .0042    | .008   | .0026  | .5695    |
| %RSD   | .04671 | .41493 | .27362 | .18719 | .10713   | .1634  | .05018 | 23.133   |
| #1     | 4.9495 | 5.0185 | 4.9955 | 5.0179 | 3.9033   | 4.976  | 5.1680 | 2.4680   |
| #2     | 4.9451 | 4.9838 | 5.0104 | 5.0351 | 3.9049   | 4.992  | 5.1633 | 1.8894   |
| #3     | 4.9460 | 4.9815 | 4.9831 | 5.0331 | 3.8970   | 4.988  | 5.1675 | 3.0284   |

Sample Name: CCV04      Acquired: 8/14/2019 17:34:28      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.8089  
Stddev      1.1723  
%RSD      64.810

#1      2.5667  
#2      .45856  
#3      2.4015

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2535.5 | 28404. | 2982.2 | 32.647 | 2410.2 |
| Stddev    | 4.8    | 110.   | 18.8   | .238   | 2.5    |
| %RSD      | .19065 | .38673 | .63188 | .72800 | .10485 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2541.0 | 28352. | 2960.8 | 32.882 | 2413.0 |
| #2 | 2533.7 | 28330. | 2989.8 | 32.652 | 2408.0 |
| #3 | 2531.9 | 28530. | 2996.1 | 32.407 | 2409.8 |

Sample Name: CCB04      Acquired: 8/14/2019 17:38:27      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |         |         |
|--------|--------|---------|--------|---------|---------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00358 | -.00085 | .00129 | -.00128 | -.00104 | -.00461 | -.00084 |
| Stddev | .00409 | .00178  | .00139 | .00269  | .00173  | .00213  | .00053  |
| %RSD   | 114.33 | 210.62  | 107.40 | 209.55  | 166.58  | 46.263  | 63.132  |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00168 | -.00237 | .00075 | -.00271 | .00048  | -.00217 | -.00055 |
| #2 | .00078 | .00111  | .00026 | -.00296 | -.00067 | -.00613 | -.00145 |
| #3 | .00827 | -.00128 | .00287 | .00182  | -.00293 | -.00552 | -.00051 |

|        |         |         |         |         |        |        |         |
|--------|---------|---------|---------|---------|--------|--------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00001 | -.00002 | -.03163 | -.00002 | .00009 | .00010 | -.00029 |
| Stddev | .00010  | .00012  | .00906  | .00032  | .00040 | .00010 | .00094  |
| %RSD   | 1765.0  | 480.42  | 28.645  | 1872.0  | 444.43 | 91.496 | 326.05  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00010 | -.00005 | -.03705 | -.00033 | -.00003 | .00003 | .00079  |
| #2 | -.00000 | -.00012 | -.03666 | .00032  | -.00024 | .00021 | -.00070 |
| #3 | .00009  | .00010  | -.02117 | -.00004 | .00053  | .00008 | -.00096 |

|        |         |         |        |         |        |         |         |
|--------|---------|---------|--------|---------|--------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00005 | -.02601 | .00050 | -.00181 | .10234 | -.00111 | -.00009 |
| Stddev | .00003  | .00820  | .00031 | .00029  | .00253 | .00047  | .00007  |
| %RSD   | 70.342  | 31.528  | 61.624 | 16.077  | 2.4730 | 42.798  | 78.758  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00003 | -.03474 | .00022 | -.00188 | .09964 | -.00149 | -.00008 |
| #2 | -.00009 | -.01846 | .00044 | -.00207 | .10466 | -.00125 | -.00017 |
| #3 | -.00003 | -.02484 | .00082 | -.00149 | .10273 | -.00058 | -.00003 |

|        |        |        |         |         |        |         |        |
|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .16449 | .00127 | -.00966 | -.00339 | .00277 | -.00018 | .00191 |
| Stddev | .04262 | .00010 | .00461  | .00337  | .00074 | .00038  | .00279 |
| %RSD   | 25.909 | 8.0054 | 47.761  | 99.269  | 26.687 | 216.70  | 146.11 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .21168 | .00138 | -.01156 | -.00348 | .00354 | -.00001 | .00512 |
| #2 | .15299 | .00127 | -.01301 | .00002  | .00206 | .00010  | .00046 |
| #3 | .12880 | .00117 | -.00440 | -.00671 | .00272 | -.00062 | .00014 |



Sample Name: CCB04      Acquired: 8/14/2019 17:38:27      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |         |          |          |
|-----------|--------|--------|---------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg       | .00482 | -.0002 | .00007  | F<.00000 | F<.00000 |
| Stddev    | .00043 | .0024  | .00014  | .69570   | 2.9890   |
| %RSD      | 8.9711 | 1591.  | 200.19  | 187.25   | 2151.3   |
| #1        | .00465 | -.0017 | .00008  | -.42895  | -1.5299  |
| #2        | .00451 | .0027  | .00020  | -1.0367  | 3.2920   |
| #3        | .00532 | -.0015 | -.00008 | .35111   | -2.1789  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2591.1 | 28628. | 2994.2  | 34.787   | 2627.7   |
| Stddev    | 7.1    | 64.    | 21.7    | .725     | 2.8      |
| %RSD      | .27571 | .22186 | .72454  | 2.0845   | .10626   |
| #1        | 2596.1 | 28555. | 2969.6  | 35.520   | 2630.9   |
| #2        | 2594.3 | 28674. | 3010.6  | 34.770   | 2626.2   |
| #3        | 2582.9 | 28654. | 3002.4  | 34.070   | 2626.0   |

Sample Name: PB122262BS      Acquired: 8/14/2019 17:42:56      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .81395 | 2.0596 | 1.0357 | 2.0255 | .84552 | 2.0901 | .22050 |
| Stddev | .00366 | .0109  | .0017  | .0030  | .00214 | .0187  | .00218 |
| %RSD   | .44962 | .52970 | .16018 | .14757 | .25257 | .89534 | .98722 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80979 | 2.0692 | 1.0374 | 2.0234 | .84572 | 2.0692 | .21815 |
| #2 | .81669 | 2.0618 | 1.0341 | 2.0289 | .84755 | 2.1055 | .22244 |
| #3 | .81536 | 2.0478 | 1.0357 | 2.0242 | .84329 | 2.0955 | .22091 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20821 | .20323 | 1.1341 | .44340 | .21001 | .34222 | 3.3862 |
| Stddev | .00069 | .00020 | .0103  | .00029 | .00018 | .00068 | .0065  |
| %RSD   | .33094 | .09847 | .90605 | .06465 | .08407 | .19735 | .19244 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20900 | .20346 | 1.1427 | .44319 | .20996 | .34232 | 3.3808 |
| #2 | .20771 | .20311 | 1.1370 | .44329 | .21021 | .34284 | 3.3934 |
| #3 | .20793 | .20312 | 1.1227 | .44373 | .20987 | .34150 | 3.3843 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22389 | 2.1213 | .52502 | .07469 | 3.3715 | .32739 | .20983 |
| Stddev | .00034 | .0940  | .00223 | .00051 | .0491  | .00154 | .00038 |
| %RSD   | .15048 | 4.4323 | .42497 | .68298 | 1.4559 | .46902 | .17879 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22368 | 2.0287 | .52653 | .07486 | 3.3183 | .32645 | .21000 |
| #2 | .22428 | 2.1186 | .52246 | .07509 | 3.4151 | .32916 | .20940 |
| #3 | .22371 | 2.2167 | .52608 | .07411 | 3.3810 | .32655 | .21008 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.744 | .41537 | .30921 | F .98846 | .93352 | .69433 | .20691 |
| Stddev | .133   | .00181 | .01621 | .01692   | .00949 | .00225 | .00371 |
| %RSD   | 1.2364 | .43492 | 5.2437 | 1.7114   | 1.0170 | .32472 | 1.7911 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.639 | .41363 | .31527 | .97005 | .94238 | .69585 | .20974 |
| #2 | 10.893 | .41723 | .32153 | .99202 | .92350 | .69539 | .20827 |
| #3 | 10.698 | .41524 | .29084 | 1.0033 | .93467 | .69174 | .20272 |

Sample Name: PB122262BS      Acquired: 8/14/2019 17:42:56      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |          |          |
|--------|----------|--------|--------|----------|----------|
| Elem   | Li6707   | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm      |
| Avg    | F .12216 | 5.741  | .22522 | F<.00000 | F 8.2489 |
| Stddev | .00203   | .015   | .00049 | .56415   | 3.1883   |
| %RSD   | 1.6589   | .2633  | .21537 | 240.95   | 38.652   |

|    |        |       |        |         |        |
|----|--------|-------|--------|---------|--------|
| #1 | .12051 | 5.729 | .22467 | -.87167 | 11.111 |
| #2 | .12154 | 5.758 | .22556 | .20052  | 8.8239 |
| #3 | .12442 | 5.736 | .22544 | -.03126 | 4.8122 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2585.0 | 28908. | 3008.2 | 35.250 | 2629.1 |
| Stddev    | 3.2    | 66.    | 28.2   | 1.273  | 4.3    |
| %RSD      | .12267 | .22839 | .93893 | 3.6125 | .16386 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2583.9 | 28846. | 2975.7 | 33.780 | 2624.2 |
| #2 | 2582.6 | 28900. | 3023.0 | 36.015 | 2630.9 |
| #3 | 2588.6 | 28977. | 3026.1 | 35.955 | 2632.2 |

Sample Name: PB122262TB      Acquired: 8/14/2019 17:47:04      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00283 | -.00207 | .00057 | .00073 | .00095 | .00497 | -.00050 | -.00008 |
| Stddev | .00380 | .00139  | .00030 | .00311 | .00021 | .01661 | .00114  | .00009  |
| %RSD   | 134.23 | 67.034  | 52.142 | 425.35 | 22.451 | 334.19 | 227.26  | 115.57  |

|    |         |         |        |         |        |         |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|---------|
| #1 | -.00004 | -.00126 | .00077 | -.00263 | .00077 | .01100  | -.00135 | .00001  |
| #2 | .00139  | -.00367 | .00072 | .00352  | .00089 | -.01382 | -.00095 | -.00008 |
| #3 | .00714  | -.00127 | .00023 | .00130  | .00118 | .01773  | .00080  | -.00016 |

|        |        |         |         |         |        |        |         |        |
|--------|--------|---------|---------|---------|--------|--------|---------|--------|
| Elem   | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00003 | -.01553 | -.00001 | -.00001 | .00054 | .00074 | -.00003 | .04431 |
| Stddev | .00009 | .02221  | .00072  | .00003  | .00072 | .00039 | .00003  | .02456 |
| %RSD   | 339.87 | 142.99  | 5897.6  | 186.52  | 133.83 | 53.452 | 97.637  | 55.427 |

|    |         |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|---------|--------|---------|--------|
| #1 | .00002  | .00932  | -.00032 | -.00004 | .00054  | .00028 | -.00005 | .06484 |
| #2 | -.00006 | -.02247 | .00081  | -.00001 | .00126  | .00097 | -.00004 | .05100 |
| #3 | .00012  | -.03344 | -.00053 | .00001  | -.00018 | .00096 | .00000  | .01710 |

|        |        |         |          |         |        |        |         |         |
|--------|--------|---------|----------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895   | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm      | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00131 | -.00074 | F 266.10 | -.00033 | .00520 | .12237 | -.00018 | -.01529 |
| Stddev | .00009 | .00042  | 2.94     | .00059  | .00010 | .03967 | .00002  | .02165  |
| %RSD   | 6.5370 | 57.192  | 1.1030   | 177.72  | 1.9892 | 32.416 | 13.947  | 141.65  |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00132 | -.00029 | 262.74 | -.00099 | .00521 | .08189 | -.00019 | -.01383 |
| #2 | .00123 | -.00079 | 268.17 | -.00019 | .00529 | .12406 | -.00019 | .00560  |
| #3 | .00140 | -.00113 | 267.40 | .00017  | .00509 | .16117 | -.00015 | -.03763 |

|        |         |        |         |         |        |        |         |        |
|--------|---------|--------|---------|---------|--------|--------|---------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00220 | .00357 | -.00060 | -.00037 | .00501 | -.0006 | -.00009 | 2.0130 |
| Stddev | .00593  | .00241 | .00081  | .00243  | .00071 | .0019  | .00009  | .3576  |
| %RSD   | 269.51  | 67.595 | 134.68  | 662.53  | 14.149 | 328.4  | 104.83  | 17.766 |

|    |         |        |         |         |        |        |         |        |
|----|---------|--------|---------|---------|--------|--------|---------|--------|
| #1 | -.00662 | .00632 | -.00068 | .00043  | .00427 | .0012  | -.00019 | 1.8946 |
| #2 | -.00452 | .00254 | .00025  | -.00309 | .00568 | -.0004 | -.00004 | 2.4148 |
| #3 | .00454  | .00183 | -.00136 | .00156  | .00510 | -.0025 | -.00003 | 1.7295 |

Sample Name: PB122262TB      Acquired: 8/14/2019 17:47:04      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      2.1483  
%RSD      17.084

#1      -12.862  
#2      -14.565  
#3      -10.298

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2495.3 | 27975. | 2964.9 | 34.322 | 2416.1 |
| Stddev    | 4.1    | 95.    | 21.6   | 1.355  | 5.8    |
| %RSD      | .16288 | .33880 | .72827 | 3.9481 | .23999 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2498.0 | 28025. | 2950.7 | 35.837 | 2422.7 |
| #2 | 2490.6 | 27866. | 2954.2 | 33.225 | 2411.8 |
| #3 | 2497.2 | 28035. | 2989.7 | 33.904 | 2413.7 |

Sample Name: PB122261BL      Acquired: 8/14/2019 17:51:34      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00128 | -.00086 | -.00132 | -.00249 | -.00178 | -.00376 | .00046 |
| Stddev | .00418 | .00112  | .00034  | .00616  | .00136  | .01161  | .00035 |
| %RSD   | 325.68 | 129.94  | 25.724  | 247.55  | 76.416  | 308.41  | 77.301 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00298 | .00026  | -.00102 | -.00229 | -.00228 | .00943  | .00083 |
| #2 | .00537  | -.00086 | -.00126 | -.00875 | -.00024 | -.01241 | .00040 |
| #3 | .00145  | -.00197 | -.00169 | .00357  | -.00283 | -.00831 | .00013 |

|        |        |         |         |         |        |         |         |
|--------|--------|---------|---------|---------|--------|---------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00002 | -.00007 | -.01633 | -.00020 | .00005 | -.00010 | -.00006 |
| Stddev | .00004 | .00006  | .02403  | .00029  | .00006 | .00047  | .00131  |
| %RSD   | 209.08 | 76.903  | 147.10  | 145.14  | 102.22 | 459.28  | 2198.7  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00005  | -.00001 | -.04380 | -.00028 | .00008  | -.00002 | .00103  |
| #2 | .00004  | -.00009 | .00077  | .00012  | .00009  | -.00061 | -.00152 |
| #3 | -.00003 | -.00012 | -.00597 | -.00045 | -.00001 | .00032  | .00030  |

|        |         |         |        |         |        |         |         |
|--------|---------|---------|--------|---------|--------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00011 | -.03871 | .00032 | -.00154 | .17772 | -.00050 | -.00043 |
| Stddev | .00005  | .05640  | .00044 | .00074  | .01398 | .00012  | .00009  |
| %RSD   | 40.508  | 145.69  | 139.31 | 48.038  | 7.8665 | 23.242  | 19.854  |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.00009 | .01179  | -.00019 | -.00184 | .19218 | -.00046 | -.00040 |
| #2 | -.00008 | -.09956 | .00062  | -.00070 | .16428 | -.00062 | -.00037 |
| #3 | -.00016 | -.02836 | .00052  | -.00209 | .17670 | -.00040 | -.00053 |

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .12786 | -.00021 | -.02054 | -.00009 | -.00245 | -.00167 | .00092 |
| Stddev | .04917 | .00004  | .00992  | .00091  | .00195  | .00035  | .00129 |
| %RSD   | 38.453 | 18.953  | 48.307  | 975.79  | 79.856  | 20.628  | 140.66 |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .14465 | -.00026 | -.02938 | -.00104 | -.00301 | -.00191 | -.00056 |
| #2 | .07249 | -.00018 | -.02245 | .00077  | -.00406 | -.00128 | .00153  |
| #3 | .16642 | -.00019 | -.00980 | -.00001 | -.00027 | -.00183 | .00178  |

Sample Name: PB122261BL      Acquired: 8/14/2019 17:51:34      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |          |        |         |          |          |
|-----------|----------|--------|---------|----------|----------|
| Elem      | Li6707   | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm      | ppm    | ppm     | ppm      | ppm      |
| Avg       | F .00581 | .0005  | -.00014 | F 2.2166 | F<.00000 |
| Stddev    | .00098   | .0013  | .00002  | .8196    | 3.5887   |
| %RSD      | 16.823   | 248.8  | 12.627  | 36.975   | 146.36   |
| #1        | .00685   | .0020  | -.00016 | 1.6983   | -6.5509  |
| #2        | .00491   | -.0001 | -.00014 | 1.7900   | .12504   |
| #3        | .00567   | -.0003 | -.00012 | 3.1615   | -.93017  |
| Int. Std. | Y_2243   | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S    | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2602.8   | 29061. | 3020.3  | 34.742   | 2633.6   |
| Stddev    | 5.0      | 17.    | 11.6    | .802     | 5.1      |
| %RSD      | .19042   | .05682 | .38391  | 2.3073   | .19498   |
| #1        | 2597.5   | 29079. | 3008.0  | 34.415   | 2628.9   |
| #2        | 2603.8   | 29057. | 3031.0  | 34.155   | 2632.7   |
| #3        | 2607.2   | 29047. | 3021.8  | 35.655   | 2639.1   |

Sample Name: PB122261BS      Acquired: 8/14/2019 17:56:03      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .74897 | 1.8837 | .94709 | 1.8404 | .81069 | 1.9132 | .20235 |
| Stddev | .00306 | .0051  | .00438 | .0064  | .00362 | .0174  | .00104 |
| %RSD   | .40900 | .27256 | .46210 | .34537 | .44604 | .91086 | .51237 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74851 | 1.8896 | .94315 | 1.8474 | .81012 | 1.9009 | .20119 |
| #2 | .74615 | 1.8800 | .94632 | 1.8350 | .80740 | 1.9331 | .20267 |
| #3 | .75223 | 1.8817 | .95180 | 1.8388 | .81456 | 1.9054 | .20318 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19066 | .18526 | 1.0361 | .40611 | .19276 | .30986 | 3.1067 |
| Stddev | .00029 | .00022 | .0292  | .00054 | .00050 | .00175 | .0074  |
| %RSD   | .15047 | .11683 | 2.8152 | .13403 | .26038 | .56368 | .23820 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19053 | .18504 | 1.0052 | .40593 | .19219 | .30972 | 3.0992 |
| #2 | .19099 | .18547 | 1.0400 | .40568 | .19302 | .31168 | 3.1140 |
| #3 | .19047 | .18526 | 1.0631 | .40672 | .19309 | .30819 | 3.1069 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20559 | 1.9449 | .48065 | .06885 | 3.0957 | .30307 | .18814 |
| Stddev | .00076 | .1075  | .00105 | .00037 | .0333  | .00099 | .00035 |
| %RSD   | .37053 | 5.5248 | .21907 | .53507 | 1.0765 | .32507 | .18340 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20499 | 1.8747 | .47977 | .06842 | 3.0621 | .30347 | .18831 |
| #2 | .20645 | 1.8914 | .48037 | .06902 | 3.0963 | .30195 | .18775 |
| #3 | .20533 | 2.0686 | .48182 | .06910 | 3.1287 | .30380 | .18837 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 9.8029 | .40356 | .25967 | F -.00715 | .89844 | .66756 | .19859 |
| Stddev | .0343  | .00086 | .01928 | .00398    | .00310 | .00260 | .00358 |
| %RSD   | .35043 | .21251 | 7.4267 | 55.697    | .34481 | .38934 | 1.8026 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.7862 | .40257 | .26512 | -.00256 | .89607 | .67015 | .19495 |
| #2 | 9.7800 | .40406 | .23825 | -.00968 | .89729 | .66758 | .19871 |
| #3 | 9.8424 | .40405 | .27564 | -.00920 | .90194 | .66496 | .20210 |



Sample Name: PB122261BS      Acquired: 8/14/2019 17:56:03      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |          |          |
|--------|----------|--------|--------|----------|----------|
| Elem   | Li6707   | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm      |
| Avg    | F .11076 | 5.211  | .20657 | F 1.8368 | F 7.3599 |
| Stddev | .00025   | .001   | .00065 | .6783    | 2.9951   |
| %RSD   | .22907   | .0218  | .31460 | 36.930   | 40.695   |

|    |        |       |        |        |        |
|----|--------|-------|--------|--------|--------|
| #1 | .11046 | 5.211 | .20652 | 2.2908 | 9.5001 |
| #2 | .11091 | 5.209 | .20594 | 2.1627 | 3.9371 |
| #3 | .11090 | 5.212 | .20724 | 1.0571 | 8.6425 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2604.8 | 29055. | 3026.3 | 35.343 | 2637.2 |
| Stddev    | 16.3   | 38.    | 9.5    | 2.099  | 12.9   |
| %RSD      | .62766 | .13213 | .31377 | 5.9396 | .48907 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2592.1 | 29098. | 3015.8 | 33.630 | 2626.1 |
| #2 | 2599.1 | 29041. | 3034.3 | 37.685 | 2634.1 |
| #3 | 2623.2 | 29025. | 3028.8 | 34.715 | 2651.3 |

Sample Name: PB122261TB      Acquired: 8/14/2019 18:00:11      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .00267  | -.00270 | .00155   | .00292  | -.00114 | -.00438 | .00057  | -.00015 |
| Stddev | .00137  | .00162  | .00214   | .00197  | .00027  | .02840  | .00019  | .00006  |
| %RSD   | 51.260  | 59.866  | 137.97   | 67.479  | 24.078  | 648.26  | 32.744  | 37.887  |
| #1     | .00307  | -.00362 | .00359   | .00103  | -.00126 | -.02313 | .00067  | -.00011 |
| #2     | .00115  | -.00365 | .00173   | .00278  | -.00132 | .02829  | .00035  | -.00012 |
| #3     | .00380  | -.00083 | -.00067  | .00496  | -.00082 | -.01830 | .00068  | -.00021 |
| Elem   | Cd2265  | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00002 | .00554  | .00101   | .00004  | .00310  | .00629  | .00098  | -.00164 |
| Stddev | .00009  | .00747  | .00094   | .00018  | .00023  | .00069  | .00004  | .05234  |
| %RSD   | 410.27  | 134.73  | 92.540   | 473.82  | 7.3663  | 11.041  | 3.7571  | 3185.0  |
| #1     | -.00005 | .01264  | .00096   | .00011  | .00306  | .00703  | .00096  | .03077  |
| #2     | .00008  | .00622  | .00010   | -.00016 | .00289  | .00565  | .00096  | .02633  |
| #3     | -.00009 | -.00224 | .00198   | .00017  | .00334  | .00620  | .00102  | -.06203 |
| Elem   | Ni2316  | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00320  | -.00060 | F 247.68 | -.00018 | .01050  | .07873  | .00003  | -.02282 |
| Stddev | .00056  | .00038  | 1.43     | .00062  | .00011  | .03041  | .00028  | .02069  |
| %RSD   | 17.403  | 62.920  | .57897   | 351.58  | 1.0236  | 38.626  | 1006.3  | 90.667  |
| #1     | .00265  | -.00087 | 246.57   | -.00076 | .01063  | .04794  | -.00016 | -.03435 |
| #2     | .00318  | -.00017 | 247.17   | .00048  | .01043  | .10874  | .00035  | -.03519 |
| #3     | .00377  | -.00076 | 249.30   | -.00025 | .01045  | .07950  | -.00010 | .00107  |
| Elem   | S_1820  | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00278  | .00781  | .00026   | .00153  | .00515  | .0020   | .00014  | 1.6463  |
| Stddev | .00399  | .00241  | .00070   | .00183  | .00167  | .0009   | .00006  | .3486   |
| %RSD   | 143.63  | 30.867  | 269.48   | 119.54  | 32.439  | 45.04   | 43.862  | 21.176  |
| #1     | .00261  | .00905  | .00018   | -.00047 | .00559  | .0020   | .00022  | 1.4697  |
| #2     | -.00113 | .00503  | .00100   | .00313  | .00655  | .0029   | .00011  | 2.0479  |
| #3     | .00686  | .00934  | -.00040  | .00193  | .00330  | .0011   | .00010  | 1.4213  |

Sample Name: PB122261TB      Acquired: 8/14/2019 18:00:11      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | 1.6439  |
| %RSD   | 13.862  |

|    |         |
|----|---------|
| #1 | -12.049 |
| #2 | -10.128 |
| #3 | -13.399 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2517.4 | 28109. | 2985.4 | 34.706 | 2440.0 |
| Stddev    | 2.6    | 28.    | 15.0   | .904   | 5.5    |
| %RSD      | .10462 | .09903 | .50163 | 2.6035 | .22479 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2518.4 | 28082. | 2996.2 | 35.208 | 2435.0 |
| #2 | 2514.4 | 28137. | 2968.3 | 33.662 | 2439.2 |
| #3 | 2519.4 | 28106. | 2991.7 | 35.246 | 2445.9 |

Sample Name: K4321-01      Acquired: 8/14/2019 18:04:38      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .07053   | .00881 | .12226 | .02289 | .01040 | 44.991 | .21012 | .00434  |
| Stddev | .00579   | .00234 | .00093 | .00128 | .00229 | .299   | .00141 | .00011  |
| %RSD   | 8.2046   | 26.599 | .75890 | 5.5910 | 22.043 | .66429 | .66898 | 2.6282  |
| #1     | .06871   | .00627 | .12176 | .02307 | .00781 | 44.658 | .20852 | .00424  |
| #2     | .07701   | .01088 | .12333 | .02407 | .01215 | 45.077 | .21066 | .00446  |
| #3     | .06588   | .00930 | .12168 | .02153 | .01126 | 45.237 | .21117 | .00430  |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00599  | 4.9582 | .17254 | .04450 | .36619 | 220.62 | .87691 | 23.862  |
| Stddev | .00012   | .0453  | .00114 | .00011 | .00107 | .26    | .00078 | .150    |
| %RSD   | 1.9740   | .91448 | .66156 | .25346 | .29222 | .11929 | .08880 | .62986  |
| #1     | -.00603  | 5.0100 | .17236 | .04460 | .36678 | 220.52 | .87754 | 23.713  |
| #2     | -.00586  | 4.9258 | .17376 | .04438 | .36496 | 220.92 | .87717 | 23.858  |
| #3     | -.00609  | 4.9388 | .17150 | .04452 | .36685 | 220.43 | .87604 | 24.014  |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .10199   | .00295 | 1.9838 | .27434 | .31116 | 10.663 | .00453 | .01580  |
| Stddev | .00027   | .00036 | .0241  | .00128 | .00107 | .062   | .00016 | .01267  |
| %RSD   | .26026   | 12.224 | 1.2154 | .46730 | .34499 | .57781 | 3.5420 | 80.220  |
| #1     | .10168   | .00322 | 1.9948 | .27316 | .31226 | 10.728 | .00471 | .00510  |
| #2     | .10217   | .00254 | 1.9562 | .27571 | .31111 | 10.606 | .00449 | .02980  |
| #3     | .10211   | .00309 | 2.0005 | .27414 | .31012 | 10.654 | .00440 | .01249  |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 14.645 | .90188 | .01173 | .96972 | .07340 | 3.748  | .04080 | <.00000 |
| Stddev | .045     | .00966 | .00112 | .00649 | .00131 | .015   | .00094 | .35714  |
| %RSD   | .30436   | 1.0710 | 9.5364 | .66940 | 1.7908 | .4025  | 2.2994 | 4.0714  |
| #1     | 14.695   | .89394 | .01050 | .96815 | .07412 | 3.763  | .04029 | -8.4600 |
| #2     | 14.629   | .91263 | .01200 | .97685 | .07420 | 3.749  | .04023 | -9.1615 |
| #3     | 14.610   | .89905 | .01269 | .96416 | .07189 | 3.733  | .04188 | -8.6941 |

Sample Name: K4321-01      Acquired: 8/14/2019 18:04:38      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 98.847 |
| Stddev | .988     |
| %RSD   | .99957   |

|    |        |
|----|--------|
| #1 | 98.534 |
| #2 | 99.954 |
| #3 | 98.054 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2704.1 | 29967. | 3137.4 | 33.806 | 2515.2 |
| Stddev    | 4.3    | 7.     | 11.9   | .600   | 6.9    |
| %RSD      | .15731 | .02264 | .37844 | 1.7758 | .27411 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2703.0 | 29965. | 3141.6 | 33.767 | 2507.8 |
| #2 | 2700.5 | 29961. | 3124.0 | 33.225 | 2516.4 |
| #3 | 2708.8 | 29974. | 3146.6 | 34.424 | 2521.5 |

Sample Name: K4321-01DUP      Acquired: 8/14/2019 18:09:01      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .07095   | .01043 | .11464 | .02143 | .00875 | 45.126 | .21031 | .00450  |
| Stddev | .00334   | .00055 | .00133 | .00290 | .00050 | .231   | .00070 | .00013  |
| %RSD   | 4.7076   | 5.2662 | 1.1618 | 13.551 | 5.6580 | .51127 | .33063 | 2.8717  |
| #1     | .07383   | .01088 | .11311 | .01810 | .00820 | 45.154 | .21029 | .00441  |
| #2     | .07173   | .00982 | .11549 | .02272 | .00915 | 44.882 | .20963 | .00465  |
| #3     | .06729   | .01061 | .11532 | .02347 | .00892 | 45.340 | .21102 | .00445  |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00581  | 5.0230 | .17750 | .04430 | .36841 | 222.71 | .86055 | 23.825  |
| Stddev | .00009   | .0273  | .00014 | .00043 | .00121 | 1.23   | .00161 | .143    |
| %RSD   | 1.4955   | .54290 | .07735 | .97866 | .32972 | .55441 | .18710 | .60132  |
| #1     | -.00586  | 4.9945 | .17737 | .04466 | .36973 | 223.80 | .86217 | 23.728  |
| #2     | -.00571  | 5.0489 | .17764 | .04442 | .36816 | 221.37 | .85895 | 23.756  |
| #3     | -.00587  | 5.0257 | .17748 | .04382 | .36734 | 222.97 | .86054 | 23.989  |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .10155   | .00291 | 1.9706 | .27766 | .31684 | 10.762 | .00409 | .02628  |
| Stddev | .00026   | .00079 | .0023  | .00250 | .00121 | .084   | .00010 | .01345  |
| %RSD   | .25524   | 27.254 | .11530 | .90065 | .38044 | .78172 | 2.4373 | 51.169  |
| #1     | .10126   | .00382 | 1.9687 | .27968 | .31545 | 10.805 | .00420 | .01089  |
| #2     | .10163   | .00236 | 1.9731 | .27844 | .31755 | 10.665 | .00400 | .03576  |
| #3     | .10176   | .00254 | 1.9699 | .27486 | .31752 | 10.816 | .00408 | .03219  |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 14.974 | 1.0077 | .01263 | .97989 | .07301 | 3.844  | .04882 | <.00000 |
| Stddev | .042     | .0093  | .00007 | .00550 | .00133 | .006   | .00171 | .88453  |
| %RSD   | .27906   | .92528 | .56578 | .56143 | 1.8271 | .1569  | 3.4924 | 12.726  |
| #1     | 14.966   | .99834 | .01264 | .97408 | .07162 | 3.850  | .04705 | -6.6776 |
| #2     | 14.938   | 1.0170 | .01255 | .98502 | .07313 | 3.844  | .05045 | -6.2342 |
| #3     | 15.020   | 1.0077 | .01269 | .98056 | .07428 | 3.838  | .04896 | -7.9391 |

Sample Name: K4321-01DUP      Acquired: 8/14/2019 18:09:01      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 99.421  
Stddev      1.888  
%RSD      1.8993

#1      99.104  
#2      101.45  
#3      97.712

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2698.9 | 30161. | 3139.1 | 34.166 | 2510.5 |
| Stddev    | 4.1    | 138.   | 21.2   | .734   | 3.3    |
| %RSD      | .15298 | .45790 | .67649 | 2.1493 | .13061 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2694.3 | 30004. | 3128.8 | 34.755 | 2506.8 |
| #2 | 2702.1 | 30219. | 3125.0 | 34.400 | 2513.1 |
| #3 | 2700.4 | 30261. | 3163.5 | 33.343 | 2511.5 |

Sample Name: K4321-01LX5      Acquired: 8/14/2019 18:13:24      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .01703 | .00145 | .02313 | .00635 | -.00008 | 9.5039 | .04469 | .00088 |
| Stddev | .00368 | .00062 | .00047 | .00222 | .00161  | .0606  | .00100 | .00016 |
| %RSD   | 21.600 | 42.524 | 2.0146 | 35.009 | 2038.2  | .63718 | 2.2455 | 17.890 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .01285 | .00213 | .02309 | .00677 | -.00189 | 9.4423 | .04448 | .00071 |
| #2 | .01975 | .00129 | .02269 | .00395 | .00120  | 9.5061 | .04381 | .00100 |
| #3 | .01851 | .00092 | .02362 | .00834 | .00045  | 9.5633 | .04578 | .00095 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00195 | 1.0251 | .03696 | .00878 | .07803 | 50.334 | .18878 | 5.0899 |
| Stddev | .00015  | .0061  | .00016 | .00012 | .00022 | .096   | .00129 | .0663  |
| %RSD   | 7.8591  | .59303 | .42830 | 1.3475 | .28118 | .19077 | .68303 | 1.3028 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00190 | 1.0302 | .03712 | .00865 | .07801 | 50.223 | .18769 | 5.0212 |
| #2 | -.00212 | 1.0266 | .03681 | .00886 | .07826 | 50.389 | .19020 | 5.0949 |
| #3 | -.00183 | 1.0184 | .03693 | .00883 | .07782 | 50.390 | .18845 | 5.1535 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02147 | -.00048 | .47160 | .05782 | .06140 | 2.3279 | .00064 | .00790 |
| Stddev | .00019 | .00051  | .01617 | .00036 | .00031 | .0226  | .00008 | .02612 |
| %RSD   | .90651 | 107.02  | 3.4286 | .62056 | .49676 | .96956 | 12.683 | 330.66 |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .02126 | -.00044 | .47480 | .05776 | .06105 | 2.3393 | .00057 | .03249  |
| #2 | .02164 | -.00101 | .45407 | .05820 | .06157 | 2.3019 | .00073 | -.01951 |
| #3 | .02153 | .00001  | .48592 | .05749 | .06159 | 2.3425 | .00062 | .01072  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.9220 | .28274 | .00139 | .20634 | .01820 | .7553  | .00506 | .19661 |
| Stddev | .0017  | .01103 | .00090 | .00075 | .00042 | .0063  | .00025 | .63112 |
| %RSD   | .05666 | 3.8998 | 64.922 | .36286 | 2.3167 | .8321  | 4.9053 | 321.01 |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 2.9221 | .28944 | .00053 | .20720 | .01869 | .7593 | .00482 | -.52725 |
| #2 | 2.9236 | .28876 | .00130 | .20600 | .01795 | .7586 | .00532 | .63155  |
| #3 | 2.9203 | .27001 | .00233 | .20582 | .01796 | .7480 | .00504 | .48552  |



Sample Name: K4321-01LX5      Acquired: 8/14/2019 18:13:24      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      15.552  
Stddev      .388  
%RSD      2.4944

#1      15.727  
#2      15.821  
#3      15.107

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2630.4 | 29286. | 3051.3 | 33.923 | 2609.6 |
| Stddev    | 9.2    | 72.    | 17.1   | .548   | 4.4    |
| %RSD      | .34788 | .24698 | .56051 | 1.6147 | .16914 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2621.4 | 29232. | 3048.2 | 33.775 | 2606.0 |
| #2 | 2630.1 | 29368. | 3036.0 | 33.465 | 2608.4 |
| #3 | 2639.7 | 29258. | 3069.8 | 34.530 | 2614.5 |

Sample Name: K4321-01MS      Acquired: 8/14/2019 18:17:46      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .78470   | 1.9526 | 1.0559 | 1.8188 | .38621 | 49.354 | .38092 | .19327  |
| Stddev | .00044   | .0066  | .0045  | .0107  | .00349 | .309   | .00288 | .00080  |
| %RSD   | .05619   | .33723 | .42405 | .58938 | .90353 | .62535 | .75643 | .41448  |
| #1     | .78419   | 1.9587 | 1.0592 | 1.8204 | .38735 | 49.355 | .37781 | .19386  |
| #2     | .78498   | 1.9456 | 1.0508 | 1.8074 | .38898 | 49.045 | .38147 | .19236  |
| #3     | .78493   | 1.9536 | 1.0575 | 1.8286 | .38229 | 49.662 | .38349 | .19360  |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .18585   | 5.5727 | .54242 | .23711 | .65512 | 233.02 | 1.0525 | 25.126  |
| Stddev | .00027   | .0060  | .00132 | .00039 | .00078 | .65    | .0018  | .262    |
| %RSD   | .14325   | .10831 | .24421 | .16394 | .11944 | .27687 | .17006 | 1.0415  |
| #1     | .18577   | 5.5792 | .54096 | .23742 | .65432 | 233.26 | 1.0538 | 25.188  |
| #2     | .18564   | 5.5672 | .54354 | .23667 | .65588 | 232.29 | 1.0504 | 24.838  |
| #3     | .18615   | 5.5717 | .54278 | .23723 | .65518 | 233.51 | 1.0532 | 25.351  |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .57284   | .07151 | 4.6655 | .54590 | .48073 | 19.432 | .35104 | .28598  |
| Stddev | .00076   | .00076 | .0444  | .00200 | .00072 | .081   | .00093 | .00831  |
| %RSD   | .13346   | 1.0602 | .95192 | .36682 | .15040 | .41895 | .26460 | 2.9068  |
| #1     | .57196   | .07229 | 4.6449 | .54769 | .48062 | 19.444 | .35077 | .27702  |
| #2     | .57328   | .07077 | 4.6351 | .54626 | .48007 | 19.345 | .35028 | .28747  |
| #3     | .57329   | .07147 | 4.7165 | .54374 | .48150 | 19.506 | .35208 | .29344  |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 13.358 | 1.2245 | .66343 | 1.0193 | .17443 | 9.288  | .19315 | <.00000 |
| Stddev | .009     | .0230  | .00232 | .0023  | .00156 | .012   | .00271 | .51049  |
| %RSD   | .06545   | 1.8767 | .35026 | .22389 | .89661 | .1242  | 1.4015 | 12.659  |
| #1     | 13.363   | 1.2245 | .66311 | 1.0220 | .17285 | 9.283  | .19333 | -4.6186 |
| #2     | 13.362   | 1.2476 | .66129 | 1.0182 | .17448 | 9.280  | .19577 | -3.6835 |
| #3     | 13.348   | 1.2016 | .66590 | 1.0178 | .17598 | 9.301  | .19036 | -3.7960 |

Sample Name: K4321-01MS      Acquired: 8/14/2019 18:17:46      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 110.73  
Stddev      .48  
%RSD      .42947

#1      111.01  
#2      111.01  
#3      110.19

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2677.3 | 30035. | 3123.7 | 35.515 | 2483.2 |
| Stddev    | 7.5    | 125.   | 25.7   | 1.274  | 6.4    |
| %RSD      | .28025 | .41711 | .82261 | 3.5869 | .25580 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2670.1 | 29940. | 3104.4 | 36.229 | 2476.6 |
| #2 | 2685.1 | 30177. | 3113.8 | 34.044 | 2489.2 |
| #3 | 2676.7 | 29988. | 3152.8 | 36.271 | 2483.9 |

Sample Name: K4321-01MSD      Acquired: 8/14/2019 18:21:59      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .79443   | 1.9621 | 1.0647 | 1.8347 | .38867 | 50.132 | .38899 | .19523  |
| Stddev | .00402   | .0040  | .0019  | .0035  | .00258 | .131   | .00101 | .00092  |
| %RSD   | .50625   | .20477 | .17559 | .19015 | .66372 | .26149 | .25932 | .47006  |
| #1     | .78990   | 1.9651 | 1.0644 | 1.8385 | .38731 | 50.009 | .39011 | .19571  |
| #2     | .79757   | 1.9575 | 1.0629 | 1.8338 | .39164 | 50.117 | .38815 | .19581  |
| #3     | .79583   | 1.9637 | 1.0666 | 1.8317 | .38705 | 50.270 | .38871 | .19417  |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .18841   | 5.6324 | .55294 | .23828 | .66235 | 234.79 | 1.0527 | 25.280  |
| Stddev | .00024   | .0437  | .00115 | .00009 | .00236 | .39    | .0037  | .069    |
| %RSD   | .12912   | .77612 | .20827 | .03877 | .35625 | .16747 | .34756 | .27382  |
| #1     | .18825   | 5.5821 | .55172 | .23825 | .65969 | 235.25 | 1.0532 | 25.208  |
| #2     | .18830   | 5.6542 | .55401 | .23821 | .66418 | 234.57 | 1.0560 | 25.347  |
| #3     | .18869   | 5.6609 | .55308 | .23839 | .66319 | 234.57 | 1.0488 | 25.286  |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .58166   | .07147 | 4.6857 | .55088 | .48418 | 19.729 | .35541 | .25785  |
| Stddev | .00100   | .00028 | .0200  | .00163 | .00163 | .043   | .00089 | .01227  |
| %RSD   | .17236   | .39571 | .42725 | .29547 | .33733 | .22003 | .25023 | 4.7598  |
| #1     | .58280   | .07138 | 4.6646 | .55269 | .48488 | 19.692 | .35639 | .24455  |
| #2     | .58090   | .07123 | 4.6881 | .54953 | .48231 | 19.717 | .35516 | .26027  |
| #3     | .58130   | .07178 | 4.7044 | .55043 | .48534 | 19.777 | .35467 | .26874  |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 13.511 | 1.3077 | .66771 | 1.0230 | .17600 | 9.393  | .19992 | <.00000 |
| Stddev | .037     | .0056  | .00158 | .0111  | .00091 | .011   | .00183 | .78189  |
| %RSD   | .27646   | .42446 | .23676 | 1.0825 | .51721 | .1177  | .91641 | 14.713  |
| #1     | 13.526   | 1.3101 | .66822 | 1.0102 | .17513 | 9.403  | .19795 | -4.5866 |
| #2     | 13.469   | 1.3117 | .66594 | 1.0296 | .17592 | 9.381  | .20025 | -5.2153 |
| #3     | 13.539   | 1.3014 | .66897 | 1.0291 | .17695 | 9.395  | .20157 | -6.1410 |

Sample Name: K4321-01MSD      Acquired: 8/14/2019 18:21:59      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 109.23  
 Stddev      1.68  
 %RSD      1.5337

#1      108.40  
 #2      111.16  
 #3      108.13

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2674.2 | 29951. | 3103.5 | 33.521 | 2481.9 |
| Stddev    | 5.3    | 14.    | 3.9    | .175   | 2.3    |
| %RSD      | .19831 | .04602 | .12619 | .52129 | .09310 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2673.3 | 29940. | 3103.0 | 33.383 | 2479.2 |
| #2 | 2669.4 | 29966. | 3107.6 | 33.718 | 2483.5 |
| #3 | 2679.9 | 29945. | 3099.8 | 33.463 | 2482.8 |

Sample Name: CCV05      Acquired: 8/14/2019 18:26:14      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | 5.1327 | 5.0815 | 5.1048 | 5.1551 | 5.1438   | 9.9653 | 10.219 | .25951   |
| Stddev | .0072  | .0102  | .0035  | .0070  | .0031    | .0595  | .029   | .00039   |
| %RSD   | .13997 | .19988 | .06774 | .13539 | .06099   | .59659 | .28371 | .15011   |
| #1     | 5.1284 | 5.0769 | 5.1042 | 5.1510 | 5.1472   | 9.9094 | 10.186 | .25975   |
| #2     | 5.1288 | 5.0745 | 5.1017 | 5.1511 | 5.1432   | 9.9589 | 10.233 | .25972   |
| #3     | 5.1410 | 5.0932 | 5.1085 | 5.1631 | 5.1410   | 10.028 | 10.239 | .25906   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5512 | 25.578 | 1.0235 | 2.5357 | 1.2941   | 5.2001 | 2.5680 | 25.320   |
| Stddev | .0031  | .157   | .0018  | .0031  | .0023    | .0088  | .0036  | .209     |
| %RSD   | .12073 | .61233 | .17300 | .12340 | .18050   | .16843 | .13976 | .82521   |
| #1     | 2.5494 | 25.416 | 1.0243 | 2.5324 | 1.2958   | 5.2064 | 2.5693 | 25.093   |
| #2     | 2.5548 | 25.728 | 1.0247 | 2.5387 | 1.2915   | 5.1901 | 2.5640 | 25.360   |
| #3     | 2.5495 | 25.589 | 1.0215 | 2.5359 | 1.2951   | 5.2037 | 2.5708 | 25.506   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5415 | 1.2702 | 25.365 | 2.5482 | 2.5269   | 25.154 | 5.0785 | 4.9401   |
| Stddev | .0015  | .0009  | .075   | .0064  | .0026    | .060   | .0067  | .0395    |
| %RSD   | .06055 | .06865 | .29444 | .25149 | .10152   | .23933 | .13195 | .80041   |
| #1     | 2.5399 | 1.2711 | 25.290 | 2.5552 | 2.5260   | 25.148 | 5.0784 | 4.9094   |
| #2     | 2.5429 | 1.2693 | 25.365 | 2.5426 | 2.5298   | 25.097 | 5.0718 | 4.9261   |
| #3     | 2.5418 | 1.2704 | 25.440 | 2.5468 | 2.5249   | 25.217 | 5.0852 | 4.9847   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 4.9673 | 4.9786 | 5.0374 | 5.0621 | F 3.9034 | 5.043  | 5.1735 | F 3.4775 |
| Stddev | .0220  | .0265  | .0077  | .0281  | .0190    | .006   | .0265  | .9493    |
| %RSD   | .44248 | .53273 | .15390 | .55518 | .48748   | .1216  | .51278 | 27.299   |
| #1     | 4.9586 | 4.9519 | 5.0329 | 5.0296 | 3.8824   | 5.035  | 5.1435 | 4.5706   |
| #2     | 4.9923 | 5.0049 | 5.0463 | 5.0784 | 3.9084   | 5.046  | 5.1941 | 2.8605   |
| #3     | 4.9510 | 4.9790 | 5.0330 | 5.0782 | 3.9194   | 5.046  | 5.1827 | 3.0012   |

Sample Name: CCV05      Acquired: 8/14/2019 18:26:14      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 5.5118  
 Stddev      .1568  
 %RSD      2.8450

#1      5.3872  
 #2      5.4603  
 #3      5.6879

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2528.0 | 28341. | 2975.6 | 33.718 | 2400.0 |
| Stddev    | 7.0    | 23.    | 11.7   | .984   | 5.4    |
| %RSD      | .27544 | .08215 | .39242 | 2.9173 | .22698 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2520.2 | 28368. | 2986.1 | 32.642 | 2395.6 |
| #2 | 2530.2 | 28331. | 2963.0 | 33.940 | 2398.2 |
| #3 | 2533.6 | 28325. | 2977.7 | 34.572 | 2406.1 |

Sample Name: CCB05      Acquired: 8/14/2019 18:30:12      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |         |
|--------|--------|---------|--------|---------|---------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00174 | -.00008 | .00123 | -.00173 | -.00025 | .00293 | -.00041 |
| Stddev | .00091 | .00341  | .00047 | .00377  | .00145  | .00338 | .00098  |
| %RSD   | 52.467 | 4396.1  | 37.939 | 218.42  | 584.72  | 115.63 | 241.85  |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00071 | -.00077 | .00140 | .00182  | -.00034 | .00556  | .00021  |
| #2 | .00245 | -.00309 | .00159 | -.00569 | .00125  | -.00089 | -.00154 |
| #3 | .00205 | .00363  | .00070 | -.00131 | -.00166 | .00410  | .00011  |

|        |        |        |         |         |         |         |        |
|--------|--------|--------|---------|---------|---------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00003 | .00003 | -.00234 | -.00006 | -.00031 | -.00011 | .00079 |
| Stddev | .00006 | .00009 | .00986  | .00073  | .00014  | .00043  | .00058 |
| %RSD   | 161.21 | 357.86 | 421.20  | 1172.4  | 46.441  | 386.94  | 74.408 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | .00007  | .00002  | -.01369 | .00068  | -.00043 | -.00045 | .00037 |
| #2 | -.00003 | .00012  | .00248  | -.00078 | -.00036 | .00038  | .00053 |
| #3 | .00006  | -.00006 | .00419  | -.00009 | -.00015 | -.00026 | .00145 |

|        |         |         |        |         |        |         |         |
|--------|---------|---------|--------|---------|--------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00008 | -.02221 | .00071 | -.00195 | .08685 | -.00057 | -.00041 |
| Stddev | .00004  | .05866  | .00059 | .00087  | .01279 | .00058  | .00011  |
| %RSD   | 49.103  | 264.06  | 83.617 | 44.879  | 14.724 | 101.40  | 26.284  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00013 | .04548  | .00115 | -.00094 | .08400 | -.00119 | -.00046 |
| #2 | -.00006 | -.05412 | .00094 | -.00234 | .07573 | -.00048 | -.00049 |
| #3 | -.00006 | -.05801 | .00003 | -.00255 | .10083 | -.00004 | -.00029 |

|        |        |        |         |         |        |         |        |
|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .08890 | .00094 | -.01110 | -.00522 | .00208 | -.00093 | .00128 |
| Stddev | .03903 | .00034 | .02278  | .00310  | .00216 | .00064  | .00328 |
| %RSD   | 43.897 | 35.826 | 205.29  | 59.346  | 103.70 | 68.562  | 257.37 |

|    |        |        |         |         |         |         |         |
|----|--------|--------|---------|---------|---------|---------|---------|
| #1 | .07256 | .00105 | -.00251 | -.00641 | -.00032 | -.00166 | -.00250 |
| #2 | .13344 | .00120 | -.03692 | -.00170 | .00271  | -.00049 | .00285  |
| #3 | .06071 | .00056 | .00615  | -.00755 | .00386  | -.00064 | .00348  |



Sample Name: CCB05      Acquired: 8/14/2019 18:30:12      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |          |        |         |          |          |
|-----------|----------|--------|---------|----------|----------|
| Elem      | Li6707   | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm      | ppm    | ppm     | ppm      | ppm      |
| Avg       | F .00587 | -.0008 | -.00001 | F .46120 | F<.00000 |
| Stddev    | .00107   | .0018  | .00016  | .79798   | 2.5654   |
| %RSD      | 18.284   | 224.3  | 1603.6  | 173.02   | 208.04   |
| #1        | .00470   | .0003  | -.00018 | .72427   | -3.8590  |
| #2        | .00611   | .0002  | .00014  | 1.0944   | -1.1076  |
| #3        | .00681   | -.0029 | .00001  | -.43510  | 1.2672   |
| Int. Std. | Y_2243   | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S    | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2599.7   | 28626. | 3005.1  | 35.162   | 2642.0   |
| Stddev    | 4.3      | 89.    | 10.2    | .254     | 2.4      |
| %RSD      | .16702   | .31151 | .34103  | .72317   | .09101   |
| #1        | 2594.9   | 28600. | 3016.0  | 34.875   | 2644.8   |
| #2        | 2600.8   | 28552. | 2995.7  | 35.360   | 2640.6   |
| #3        | 2603.4   | 28725. | 3003.7  | 35.250   | 2640.6   |

Sample Name: K4321-01A      Acquired: 8/14/2019 18:34:41      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .80948   | 1.9815 | 1.0772 | 1.8601 | .39605 | 51.691 | .42377 | .19693  |
| Stddev | .00671   | .0040  | .0046  | .0033  | .00346 | .548   | .00329 | .00056  |
| %RSD   | .82873   | .20146 | .42964 | .17927 | .87318 | 1.0603 | .77754 | .28232  |
| #1     | .80238   | 1.9861 | 1.0824 | 1.8563 | .39206 | 51.320 | .42257 | .19628  |
| #2     | .81571   | 1.9785 | 1.0735 | 1.8618 | .39812 | 51.432 | .42125 | .19726  |
| #3     | .81036   | 1.9800 | 1.0757 | 1.8623 | .39797 | 52.320 | .42750 | .19724  |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .18948   | 5.5549 | .57860 | .24099 | .65742 | 230.58 | 1.0127 | 25.253  |
| Stddev | .00037   | .0154  | .00080 | .00084 | .00089 | 1.02   | .0022  | .155    |
| %RSD   | .19577   | .27735 | .13749 | .34935 | .13473 | .44115 | .21499 | .61245  |
| #1     | .18988   | 5.5476 | .57823 | .24134 | .65808 | 229.41 | 1.0110 | 25.100  |
| #2     | .18944   | 5.5445 | .57805 | .24003 | .65642 | 231.29 | 1.0119 | 25.249  |
| #3     | .18914   | 5.5726 | .57951 | .24160 | .65777 | 231.03 | 1.0151 | 25.409  |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .58763   | .07200 | 4.7375 | .55184 | .49893 | 19.716 | .35894 | .30900  |
| Stddev | .00070   | .00069 | .0311  | .00207 | .00066 | .239   | .00084 | .01378  |
| %RSD   | .11829   | .96037 | .65608 | .37519 | .13198 | 1.2144 | .23370 | 4.4590  |
| #1     | .58841   | .07125 | 4.7137 | .55264 | .49944 | 19.791 | .35811 | .29381  |
| #2     | .58706   | .07261 | 4.7262 | .54949 | .49818 | 19.448 | .35894 | .32068  |
| #3     | .58744   | .07215 | 4.7727 | .55340 | .49916 | 19.908 | .35978 | .31252  |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 14.560 | 1.4321 | .67696 | 1.0098 | .17324 | 9.514  | .21428 | <.00000 |
| Stddev | .042     | .0083  | .00139 | .0037  | .00196 | .014   | .00284 | .45058  |
| %RSD   | .28807   | .58253 | .20547 | .36148 | 1.1339 | .1449  | 1.3241 | 8.8627  |
| #1     | 14.608   | 1.4391 | .67854 | 1.0095 | .17394 | 9.530  | .21752 | -4.7620 |
| #2     | 14.527   | 1.4229 | .67595 | 1.0063 | .17102 | 9.507  | .21224 | -4.8911 |
| #3     | 14.546   | 1.4344 | .67638 | 1.0136 | .17476 | 9.506  | .21307 | -5.5989 |

Sample Name: K4321-01A      Acquired: 8/14/2019 18:34:41      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 111.38  
Stddev      3.24  
%RSD      2.9082

#1      110.74  
#2      108.51  
#3      114.89

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2672.8 | 29987. | 3099.1 | 34.350 | 2478.4 |
| Stddev    | 9.5    | 80.    | 13.9   | .168   | 11.9   |
| %RSD      | .35622 | .26720 | .44725 | .49041 | .47941 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2668.6 | 30077. | 3086.7 | 34.492 | 2467.6 |
| #2 | 2683.7 | 29961. | 3096.6 | 34.164 | 2491.1 |
| #3 | 2666.1 | 29923. | 3114.1 | 34.395 | 2476.5 |

Sample Name: K4321-03      Acquired: 8/14/2019 18:38:56      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .08928 | .02647  | -.00090  | .00266  | .01327 | 63.240  | .19543  | .01803  |
| Stddev | .00338 | .00263  | .00091   | .00545  | .00390 | .181    | .00200  | .00008  |
| %RSD   | 3.7865 | 9.9524  | 101.06   | 205.32  | 29.388 | .28632  | 1.0245  | .43312  |
| #1     | .08941 | .02827  | -.00195  | .00893  | .00891 | 63.040  | .19312  | .01805  |
| #2     | .09260 | .02345  | -.00041  | -.00007 | .01449 | 63.392  | .19673  | .01795  |
| #3     | .08584 | .02771  | -.00034  | -.00090 | .01642 | 63.288  | .19644  | .01810  |
| Elem   | Cd2265 | Ca3736  | Cr2677   | Co2286  | Cu2247 | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm      | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00175 | 6.3978  | F 4.2472 | .07016  | 1.0196 | 638.92  | 1.4741  | 22.798  |
| Stddev | .00025 | .0210   | .0030    | .00018  | .0022  | .23     | .0021   | .209    |
| %RSD   | 14.333 | .32883  | .07160   | .25833  | .21406 | .03670  | .14290  | .91517  |
| #1     | .00204 | 6.4157  | 4.2458   | .07025  | 1.0172 | 638.67  | 1.4719  | 22.692  |
| #2     | .00159 | 6.3746  | 4.2450   | .06995  | 1.0203 | 639.13  | 1.4743  | 23.038  |
| #3     | .00163 | 6.4030  | 4.2506   | .07027  | 1.0214 | 638.97  | 1.4761  | 22.663  |
| Elem   | Ni2316 | Ag3280  | Na5895   | V_2924  | Zn2138 | K_7664  | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm      | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .17957 | -.01518 | 2.3034   | 1.0288  | .50348 | 8.8286  | .00446  | -.05566 |
| Stddev | .00112 | .00118  | .0042    | .0056   | .00140 | .1591   | .00073  | .02283  |
| %RSD   | .62432 | 7.8062  | .18143   | .54633  | .27709 | 1.8021  | 16.335  | 41.028  |
| #1     | .17828 | -.01644 | 2.3010   | 1.0351  | .50191 | 8.7312  | .00397  | -.08202 |
| #2     | .18025 | -.01502 | 2.3082   | 1.0272  | .50398 | 9.0122  | .00530  | -.04205 |
| #3     | .18019 | -.01408 | 2.3010   | 1.0242  | .50457 | 8.7424  | .00411  | -.04290 |
| Elem   | S_1820 | Si2881  | Sn1899   | Ti3361  | Li6707 | P_1774  | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm      | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | 9.9633 | 1.4332  | .04039   | 1.0814  | .06430 | F 15.25 | -.40571 | <.00000 |
| Stddev | .0302  | .0062   | .00077   | .0023   | .00053 | .03     | .00029  | .95463  |
| %RSD   | .30264 | .43459  | 1.9059   | .21456  | .82738 | .2192   | .07122  | 4.2968  |
| #1     | 9.9573 | 1.4403  | .03991   | 1.0830  | .06472 | 15.23   | -.40575 | -23.203 |
| #2     | 9.9960 | 1.4286  | .03998   | 1.0787  | .06370 | 15.29   | -.40540 | -22.151 |
| #3     | 9.9365 | 1.4306  | .04128   | 1.0824  | .06447 | 15.23   | -.40598 | -21.297 |

Sample Name: K4321-03      Acquired: 8/14/2019 18:38:56      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 527.25  
Stddev      .98  
%RSD      .18661

#1      528.02  
#2      527.57  
#3      526.14

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2685.9 | 30236. | 3189.7 | 33.344 | 2331.6 |
| Stddev    | 7.3    | 84.    | 8.2    | .210   | 8.9    |
| %RSD      | .27317 | .27639 | .25856 | .62922 | .38333 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2694.4 | 30141. | 3180.8 | 33.237 | 2341.6 |
| #2 | 2681.9 | 30268. | 3191.3 | 33.586 | 2324.5 |
| #3 | 2681.5 | 30299. | 3197.0 | 33.210 | 2328.8 |

Sample Name: K4321-05      Acquired: 8/14/2019 18:43:17      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .40546   | .00998 | .11518 | .02457 | .01600 | 145.13 | 2.7171 | .01804  |
| Stddev | .00719   | .00120 | .00159 | .00251 | .00174 | .28    | .0076  | .00012  |
| %RSD   | 1.7728   | 12.005 | 1.3792 | 10.201 | 10.884 | .19149 | .27800 | .67427  |
| #1     | .41085   | .01041 | .11352 | .02610 | .01513 | 144.81 | 2.7086 | .01817  |
| #2     | .40825   | .00863 | .11535 | .02594 | .01486 | 145.33 | 2.7230 | .01802  |
| #3     | .39730   | .01091 | .11668 | .02168 | .01800 | 145.24 | 2.7198 | .01792  |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00112   | 43.899 | .31919 | .14094 | .70250 | 348.25 | 1.6675 | 36.028  |
| Stddev | .00027   | .086   | .00085 | .00019 | .00163 | 1.33   | .0035  | .128    |
| %RSD   | 24.289   | .19632 | .26669 | .13691 | .23208 | .38236 | .20926 | .35580  |
| #1     | .00115   | 43.991 | .31842 | .14113 | .70134 | 349.37 | 1.6670 | 35.893  |
| #2     | .00084   | 43.820 | .32010 | .14094 | .70436 | 348.61 | 1.6643 | 36.043  |
| #3     | .00138   | 43.887 | .31906 | .14075 | .70179 | 346.78 | 1.6712 | 36.148  |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .31946   | .00104 | 4.4374 | .89308 | .67680 | 12.393 | .01388 | .24584  |
| Stddev | .00137   | .00003 | .0227  | .00166 | .00020 | .041   | .00031 | .00672  |
| %RSD   | .42889   | 3.1936 | .51033 | .18574 | .02963 | .32799 | 2.2188 | 2.7315  |
| #1     | .32102   | .00106 | 4.4126 | .89457 | .67686 | 12.346 | .01416 | .24565  |
| #2     | .31847   | .00105 | 4.4571 | .89338 | .67696 | 12.423 | .01393 | .25265  |
| #3     | .31888   | .00100 | 4.4424 | .89130 | .67657 | 12.408 | .01355 | .23923  |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 10.880 | 7.3572 | .02213 | 4.4710 | .10828 | 7.742  | 1.4927 | <.00000 |
| Stddev | .016     | .0255  | .00172 | .0062  | .00045 | .010   | .0068  | .70357  |
| %RSD   | .14724   | .34613 | 7.7570 | .13839 | .41811 | .1336  | .45367 | 3.5258  |
| #1     | 10.879   | 7.3796 | .02384 | 4.4659 | .10879 | 7.743  | 1.4962 | -19.534 |
| #2     | 10.864   | 7.3295 | .02213 | 4.4692 | .10810 | 7.731  | 1.4848 | -20.767 |
| #3     | 10.896   | 7.3625 | .02041 | 4.4779 | .10794 | 7.751  | 1.4969 | -19.563 |

Sample Name: K4321-05      Acquired: 8/14/2019 18:43:17      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 226.55  
Stddev      .88  
%RSD      .38945

#1      225.59  
#2      227.33  
#3      226.74

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2911.1 | 32555. | 3448.7 | 34.829 | 2367.1 |
| Stddev    | 1.5    | 46.    | 15.7   | .993   | 4.5    |
| %RSD      | .05244 | .14130 | .45578 | 2.8516 | .18804 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2909.4 | 32513. | 3432.6 | 34.293 | 2362.2 |
| #2 | 2911.7 | 32547. | 3464.0 | 34.219 | 2371.0 |
| #3 | 2912.3 | 32604. | 3449.3 | 35.975 | 2368.0 |

Sample Name: K4264-21      Acquired: 8/14/2019 18:47:44      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: REACTOR-3-C1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |         |         |         |
|--------|--------|---------|--------|--------|--------|---------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | .02745 | -.00959 | .27626 | .00954 | .01082 | 227.60  | 1.2215  | .01036  |
| Stddev | .00009 | .00045  | .00185 | .00345 | .00345 | 1.45    | .0058   | .00024  |
| %RSD   | .33336 | 4.6639  | .66970 | 36.117 | 31.849 | .63597  | .47711  | 2.2831  |
| #1     | .02739 | -.00959 | .27415 | .01343 | .00718 | 225.94  | 1.2180  | .01055  |
| #2     | .02755 | -.01003 | .27762 | .00832 | .01125 | 228.21  | 1.2182  | .01043  |
| #3     | .02740 | -.00914 | .27701 | .00687 | .01404 | 228.63  | 1.2282  | .01009  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00569 | 239.28  | .33375 | .16986 | .63819 | 287.51  | 6.3512  | 203.60  |
| Stddev | .00017 | .88     | .00188 | .00094 | .00258 | .83     | .0215   | .69     |
| %RSD   | 3.0639 | .36674  | .56428 | .55465 | .40361 | .28752  | .33918  | .34079  |
| #1     | .00589 | 238.81  | .33481 | .16880 | .63698 | 286.80  | 6.3673  | 203.20  |
| #2     | .00555 | 238.74  | .33158 | .17061 | .64115 | 288.42  | 6.3267  | 203.20  |
| #3     | .00565 | 240.30  | .33486 | .17018 | .63645 | 287.32  | 6.3596  | 204.40  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | .30455 | -.00147 | 1.2314 | .49622 | 1.5692 | 24.805  | .00465  | .01690  |
| Stddev | .00049 | .00022  | .0111  | .00319 | .0124  | .115    | .00032  | .01485  |
| %RSD   | .15926 | 14.775  | .89807 | .64305 | .79206 | .46219  | 6.7690  | 87.871  |
| #1     | .30498 | -.00122 | 1.2392 | .49977 | 1.5556 | 24.676  | .00463  | .01368  |
| #2     | .30464 | -.00163 | 1.2188 | .49530 | 1.5723 | 24.843  | .00498  | .03309  |
| #3     | .30403 | -.00155 | 1.2363 | .49359 | 1.5798 | 24.895  | .00435  | .00392  |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | 2.8520 | 5.7264  | .01524 | 8.5979 | .13766 | F 10.83 | -.05233 | <.00000 |
| Stddev | .0055  | .0573   | .00036 | .0326  | .00253 | .01     | .00075  | .70433  |
| %RSD   | .19230 | 1.0003  | 2.3913 | .37858 | 1.8361 | .0510   | 1.4346  | 4.0375  |
| #1     | 2.8516 | 5.7404  | .01542 | 8.5609 | .13526 | 10.83   | -.05272 | -18.129 |
| #2     | 2.8467 | 5.6635  | .01482 | 8.6109 | .14030 | 10.83   | -.05282 | -16.722 |
| #3     | 2.8576 | 5.7754  | .01548 | 8.6220 | .13743 | 10.84   | -.05147 | -17.482 |



Sample Name: K4264-21      Acquired: 8/14/2019 18:47:44      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: REACTOR-3-C1      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 200.70  
 Stddev      5.45  
 %RSD      2.7162

#1      206.38  
 #2      200.19  
 #3      195.52

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2911.5 | 32710. | 3514.2 | 33.156 | 2185.4 |
| Stddev    | 22.3   | 82.    | 9.8    | 1.060  | 16.7   |
| %RSD      | .76451 | .24921 | .27964 | 3.1983 | .76536 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2937.0 | 32672. | 3505.5 | 34.377 | 2204.3 |
| #2 | 2896.5 | 32654. | 3512.2 | 32.620 | 2179.2 |
| #3 | 2900.9 | 32803. | 3524.8 | 32.471 | 2172.6 |

Sample Name: K4265-20      Acquired: 8/14/2019 18:52:13      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: REACTOR-4-A1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |          |        |         |         |         |
|--------|--------|---------|--------|----------|--------|---------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960   | Sb2068 | Al3961  | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm     | ppm     | ppm     |
| Avg    | .01661 | -.01688 | .21222 | .01302   | .01286 | 222.31  | 1.1831  | .01014  |
| Stddev | .00655 | .00117  | .00338 | .00102   | .00072 | 1.49    | .0075   | .00018  |
| %RSD   | 39.397 | 6.9426  | 1.5925 | 7.8091   | 5.5906 | .67186  | .63359  | 1.7766  |
| #1     | .01529 | -.01821 | .21165 | .01288   | .01209 | 220.64  | 1.1754  | .01030  |
| #2     | .01083 | -.01639 | .20916 | .01209   | .01298 | 222.76  | 1.1835  | .01018  |
| #3     | .02372 | -.01603 | .21585 | .01411   | .01352 | 223.53  | 1.1904  | .00995  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286   | Cu2247 | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00590 | 68.602  | .31023 | .17637   | .66210 | 293.66  | 7.6471  | 113.24  |
| Stddev | .00028 | .002    | .00088 | .00087   | .00195 | 1.25    | .0354   | .82     |
| %RSD   | 4.6749 | .00221  | .28466 | .49332   | .29398 | .42453  | .46331  | .72804  |
| #1     | .00592 | 68.600  | .31125 | .17596   | .66055 | 292.40  | 7.6360  | 112.32  |
| #2     | .00561 | 68.603  | .30979 | .17578   | .66428 | 294.89  | 7.6186  | 113.91  |
| #3     | .00616 | 68.603  | .30966 | .17737   | .66147 | 293.69  | 7.6868  | 113.49  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924   | Zn2138 | K_7664  | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm     | ppm     | ppm     |
| Avg    | .32309 | -.00104 | 1.1476 | .49701   | 1.3854 | 25.153  | .00216  | -.00792 |
| Stddev | .00030 | .00052  | .0120  | .00139   | .0101  | .117    | .00031  | .01516  |
| %RSD   | .09341 | 50.262  | 1.0438 | .27914   | .72513 | .46597  | 14.556  | 191.39  |
| #1     | .32275 | -.00146 | 1.1339 | .49649   | 1.3742 | 25.033  | .00200  | .00863  |
| #2     | .32316 | -.00120 | 1.1559 | .49858   | 1.3884 | 25.161  | .00252  | -.01125 |
| #3     | .32334 | -.00046 | 1.1531 | .49596   | 1.3936 | 25.267  | .00196  | -.02114 |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361   | Li6707 | P_1774  | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm     | ppm     | ppm     |
| Avg    | 1.3839 | 6.1006  | .01395 | F 10.556 | .11698 | F 10.29 | -.19120 | <.00000 |
| Stddev | .0039  | .0682   | .00155 | .036     | .00008 | .02     | .00115  | .43126  |
| %RSD   | .27956 | 1.1172  | 11.098 | .33841   | .07180 | .1640   | .59981  | 1.5760  |
| #1     | 1.3813 | 6.1783  | .01218 | 10.520   | .11693 | 10.29   | -.19000 | -27.862 |
| #2     | 1.3821 | 6.0512  | .01502 | 10.591   | .11707 | 10.28   | -.19228 | -27.095 |
| #3     | 1.3883 | 6.0722  | .01465 | 10.556   | .11692 | 10.31   | -.19133 | -27.136 |

Sample Name: K4265-20      Acquired: 8/14/2019 18:52:13      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: REACTOR-4-A1 Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 216.20 |
| Stddev | 5.58     |
| %RSD   | 2.5827   |

|    |        |
|----|--------|
| #1 | 210.77 |
| #2 | 215.92 |
| #3 | 221.92 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3153.2 | 35183. | 3732.0 | 31.875 | 2273.2 |
| Stddev    | 23.4   | 60.    | 30.4   | .692   | 18.2   |
| %RSD      | .74130 | .17032 | .81352 | 2.1698 | .80170 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3180.2 | 35191. | 3705.8 | 31.312 | 2293.4 |
| #2 | 3141.0 | 35120. | 3725.0 | 32.647 | 2268.4 |
| #3 | 3138.5 | 35239. | 3765.3 | 31.665 | 2257.9 |

Sample Name: K4324-01      Acquired: 8/14/2019 18:56:48      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-F1-(0-4)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .02431 | -.00313 | 1.7597 | .01670 | .01084 | 124.92 | 1.3780  | .00876  |
| Stddev | .00510 | .00143  | .0010  | .00838 | .00323 | .54    | .0077   | .00020  |
| %RSD   | 20.986 | 45.803  | .05987 | 50.168 | 29.784 | .43033 | .56048  | 2.2793  |
| #1     | .02501 | -.00198 | 1.7599 | .02466 | .01024 | 124.47 | 1.3711  | .00853  |
| #2     | .01889 | -.00474 | 1.7586 | .00796 | .00795 | 124.77 | 1.3767  | .00886  |
| #3     | .02902 | -.00267 | 1.7607 | .01749 | .01433 | 125.51 | 1.3863  | .00889  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00523 | 32.979  | .27077 | .16717 | 1.0146 | 249.71 | 5.2123  | 65.309  |
| Stddev | .00006 | .207    | .00201 | .00055 | .0006  | .50    | .0059   | .454    |
| %RSD   | 1.2018 | .62712  | .74142 | .33053 | .05599 | .20107 | .11240  | .69450  |
| #1     | .00516 | 33.124  | .26845 | .16682 | 1.0140 | 250.12 | 5.2104  | 65.010  |
| #2     | .00529 | 33.071  | .27189 | .16781 | 1.0150 | 249.86 | 5.2077  | 65.086  |
| #3     | .00524 | 32.742  | .27197 | .16688 | 1.0149 | 249.15 | 5.2189  | 65.831  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .64806 | .00432  | 1.5067 | .47201 | 2.0067 | 31.858 | .00474  | .00932  |
| Stddev | .00046 | .00028  | .0166  | .00057 | .0050  | .148   | .00050  | .00167  |
| %RSD   | .07064 | 6.5171  | 1.0988 | .12111 | .25156 | .46404 | 10.648  | 17.890  |
| #1     | .64833 | .00458  | 1.4984 | .47264 | 2.0107 | 31.818 | .00449  | .01013  |
| #2     | .64753 | .00436  | 1.5258 | .47153 | 2.0083 | 31.734 | .00441  | .00740  |
| #3     | .64831 | .00402  | 1.4960 | .47185 | 2.0010 | 32.021 | .00532  | .01042  |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.2612 | 2.7669  | .17760 | 7.0104 | .10289 | 8.475  | -.11028 | <.00000 |
| Stddev | .0073  | .0263   | .00071 | .0104  | .00070 | .009   | .00092  | 1.0487  |
| %RSD   | .57805 | .95080  | .40074 | .14768 | .67642 | .1004  | .83496  | 6.9286  |
| #1     | 1.2695 | 2.7814  | .17773 | 7.0035 | .10251 | 8.482  | -.11123 | -14.201 |
| #2     | 1.2585 | 2.7829  | .17683 | 7.0223 | .10369 | 8.465  | -.11021 | -16.270 |
| #3     | 1.2557 | 2.7366  | .17824 | 7.0054 | .10246 | 8.477  | -.10939 | -14.938 |

Sample Name: K4324-01      Acquired: 8/14/2019 18:56:48      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-F1-(0-4)      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 150.31 |
| Stddev | 3.45     |
| %RSD   | 2.2949   |

|    |        |
|----|--------|
| #1 | 153.72 |
| #2 | 146.83 |
| #3 | 150.38 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2923.2 | 32879. | 3484.0 | 34.783 | 2381.0 |
| Stddev    | 9.8    | 17.    | 32.4   | .273   | 8.5    |
| %RSD      | .33504 | .05247 | .93002 | .78540 | .35757 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2913.8 | 32860. | 3459.7 | 34.587 | 2373.2 |
| #2 | 2922.3 | 32891. | 3471.6 | 35.095 | 2379.7 |
| #3 | 2933.4 | 32888. | 3520.8 | 34.666 | 2390.1 |

Sample Name: K4324-01DUP      Acquired: 8/14/2019 19:01:15      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-F1-(0-4)D      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .03020 | -.00484 | 1.7653 | .01653 | .01155 | 124.76 | 1.3998  | .00862  |
| Stddev | .00200 | .00144  | .0088  | .00498 | .00237 | .50    | .0019   | .00004  |
| %RSD   | 6.6133 | 29.768  | .50103 | 30.122 | 20.514 | .39886 | .13610  | .47962  |
| #1     | .02898 | -.00607 | 1.7745 | .01332 | .00941 | 124.22 | 1.3984  | .00858  |
| #2     | .03250 | -.00518 | 1.7569 | .02226 | .01114 | 125.19 | 1.3991  | .00862  |
| #3     | .02911 | -.00325 | 1.7644 | .01401 | .01409 | 124.87 | 1.4020  | .00866  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00645 | 33.387  | .28005 | .16224 | 1.0025 | 247.29 | 4.9772  | 65.056  |
| Stddev | .00018 | .064    | .00220 | .00124 | .0012  | 1.60   | .0152   | .370    |
| %RSD   | 2.7576 | .19296  | .78612 | .76532 | .11987 | .64499 | .30458  | .56894  |
| #1     | .00665 | 33.425  | .28259 | .16095 | 1.0027 | 245.92 | 4.9640  | 65.145  |
| #2     | .00632 | 33.313  | .27889 | .16236 | 1.0012 | 249.04 | 4.9739  | 64.650  |
| #3     | .00638 | 33.424  | .27867 | .16342 | 1.0036 | 246.91 | 4.9937  | 65.374  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .57941 | .00400  | 1.4314 | .47058 | 1.9550 | 33.449 | .00544  | .01322  |
| Stddev | .00495 | .00063  | .0097  | .00405 | .0012  | .139   | .00005  | .00294  |
| %RSD   | .85456 | 15.857  | .67570 | .86048 | .06058 | .41671 | .96591  | 22.263  |
| #1     | .57446 | .00336  | 1.4224 | .47485 | 1.9539 | 33.289 | .00543  | .01517  |
| #2     | .57942 | .00463  | 1.4416 | .47009 | 1.9549 | 33.537 | .00550  | .01466  |
| #3     | .58436 | .00400  | 1.4303 | .46680 | 1.9563 | 33.523 | .00539  | .00984  |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.2649 | 2.6410  | .18410 | 7.2884 | .10128 | 8.039  | -.11292 | <.00000 |
| Stddev | .0026  | .0106   | .00109 | .0092  | .00047 | .032   | .00176  | .80214  |
| %RSD   | .20637 | .39940  | .59421 | .12675 | .46316 | .3955  | 1.5629  | 5.1095  |
| #1     | 1.2636 | 2.6449  | .18529 | 7.2990 | .10148 | 8.004  | -.11133 | -16.606 |
| #2     | 1.2632 | 2.6490  | .18386 | 7.2821 | .10075 | 8.045  | -.11482 | -15.408 |
| #3     | 1.2679 | 2.6290  | .18314 | 7.2840 | .10162 | 8.067  | -.11261 | -15.083 |

Sample Name: K4324-01DUP      Acquired: 8/14/2019 19:01:15      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: T8-F1-(0-4)D Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 146.94  
 Stddev      6.01  
 %RSD      4.0927

#1      151.19  
 #2      140.06  
 #3      149.57

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2929.6 | 32968. | 3503.8 | 35.554 | 2386.3 |
| Stddev    | 3.6    | 73.    | 6.1    | 1.065  | 3.9    |
| %RSD      | .12384 | .22089 | .17437 | 2.9956 | .16300 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2925.7 | 33008. | 3497.8 | 36.782 | 2382.1 |
| #2 | 2932.8 | 32884. | 3503.6 | 34.880 | 2389.8 |
| #3 | 2930.3 | 33013. | 3510.0 | 35.000 | 2387.0 |

Sample Name: K4324-01LX5      Acquired: 8/14/2019 19:05:42      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .01062 | -.00096 | .34218 | .00604 | .00237 | 27.752 | .30529 | .00200 |
| Stddev | .00366 | .00146  | .00440 | .00520 | .00156 | .043   | .00040 | .00012 |
| %RSD   | 34.445 | 151.71  | 1.2844 | 86.094 | 65.849 | .15553 | .13248 | 5.8766 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .01458 | .00035  | .34721 | .00004 | .00396 | 27.771 | .30485 | .00188 |
| #2 | .00736 | -.00253 | .33907 | .00878 | .00085 | 27.703 | .30565 | .00211 |
| #3 | .00993 | -.00071 | .34026 | .00929 | .00229 | 27.784 | .30537 | .00202 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00046 | 7.4152 | .06142 | .03166 | .23024 | 60.838 | 1.1475 | 14.591 |
| Stddev | .00010  | .0081  | .00024 | .00016 | .00011 | .286   | .0024  | .158   |
| %RSD   | 22.286  | .10894 | .38421 | .49293 | .04660 | .46973 | .20994 | 1.0819 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00053 | 7.4210 | .06119 | .03169 | .23017 | 60.608 | 1.1463 | 14.464 |
| #2 | -.00051 | 7.4060 | .06142 | .03179 | .23036 | 61.158 | 1.1503 | 14.768 |
| #3 | -.00034 | 7.4187 | .06166 | .03149 | .23018 | 60.749 | 1.1460 | 14.542 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .11956 | .00032 | .34110 | .10395 | .37638 | 7.2116 | .00083 | -.02112 |
| Stddev | .00078 | .00015 | .01207 | .00078 | .00051 | .0839  | .00004 | .01271  |
| %RSD   | .65596 | 47.851 | 3.5396 | .75107 | .13615 | 1.1633 | 5.2446 | 60.160  |

|    |        |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|--------|---------|
| #1 | .12040 | .00023 | .32900 | .10326 | .37664 | 7.3054 | .00078 | -.03130 |
| #2 | .11885 | .00050 | .35315 | .10479 | .37671 | 7.1856 | .00085 | -.02519 |
| #3 | .11944 | .00023 | .34115 | .10379 | .37579 | 7.1437 | .00085 | -.00688 |

|        |        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .23667 | .60542 | .03408 | 1.5793 | .02623 | 1.579  | -.03097 | <.00000 |
| Stddev | .00074 | .01146 | .00062 | .0010  | .00054 | .001   | .00046  | .61224  |
| %RSD   | .31121 | 1.8932 | 1.8090 | .06397 | 2.0769 | .0693  | 1.4711  | 16.444  |

|    |        |        |        |        |        |       |         |         |
|----|--------|--------|--------|--------|--------|-------|---------|---------|
| #1 | .23610 | .60891 | .03438 | 1.5783 | .02670 | 1.580 | -.03095 | -3.1007 |
| #2 | .23751 | .59262 | .03449 | 1.5791 | .02563 | 1.578 | -.03143 | -3.7443 |
| #3 | .23641 | .61473 | .03337 | 1.5803 | .02636 | 1.579 | -.03052 | -4.3246 |



Sample Name: K4324-01LX5      Acquired: 8/14/2019 19:05:42      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      24.184  
Stddev      2.184  
%RSD      9.0307

#1      22.167  
#2      23.882  
#3      26.504

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2672.4 | 29513. | 3109.1 | 33.603 | 2547.7 |
| Stddev    | 7.3    | 46.    | 21.0   | .254   | 6.2    |
| %RSD      | .27200 | .15459 | .67555 | .75671 | .24278 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2678.5 | 29545. | 3106.5 | 33.515 | 2552.0 |
| #2 | 2664.3 | 29461. | 3131.3 | 33.405 | 2540.6 |
| #3 | 2674.3 | 29533. | 3089.6 | 33.890 | 2550.4 |

Sample Name: K4324-01MS      Acquired: 8/14/2019 19:10:10      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-F1-(0-4)M      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .75245 | 2.0863 | 3.0576 | 1.8092 | .14732 | 129.20  | 1.5905 | .19720  |
| Stddev | .00525 | .0051  | .0076  | .0018  | .00200 | .88     | .0140  | .00039  |
| %RSD   | .69725 | .24473 | .24882 | .09960 | 1.3554 | .68485  | .87934 | .19855  |
| #1     | .75836 | 2.0830 | 3.0650 | 1.8111 | .14613 | 128.29  | 1.5750 | .19758  |
| #2     | .74837 | 2.0837 | 3.0498 | 1.8075 | .14963 | 129.25  | 1.5945 | .19680  |
| #3     | .75061 | 2.0922 | 3.0580 | 1.8090 | .14621 | 130.06  | 1.6021 | .19723  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .21694 | 39.883 | .87857 | .37622 | 1.2745 | 250.47  | 4.8231 | 77.768  |
| Stddev | .00064 | .068   | .00127 | .00104 | .0026  | 2.02    | .0033  | .722    |
| %RSD   | .29359 | .16952 | .14508 | .27696 | .20311 | .80751  | .06848 | .92862  |
| #1     | .21735 | 39.958 | .87759 | .37519 | 1.2775 | 248.20  | 4.8211 | 76.938  |
| #2     | .21620 | 39.864 | .88001 | .37727 | 1.2732 | 252.10  | 4.8212 | 78.112  |
| #3     | .21725 | 39.827 | .87810 | .37618 | 1.2728 | 251.09  | 4.8269 | 78.253  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 1.1581 | .07221 | 4.5784 | .74170 | 2.3461 | 42.698  | .37744 | .25857  |
| Stddev | .0005  | .00073 | .0352  | .00255 | .0050  | .181    | .00148 | .02103  |
| %RSD   | .04077 | 1.0164 | .76862 | .34358 | .21412 | .42284  | .39293 | 8.1328  |
| #1     | 1.1576 | .07181 | 4.5411 | .74119 | 2.3511 | 42.508  | .37836 | .26520  |
| #2     | 1.1584 | .07306 | 4.5830 | .74446 | 2.3410 | 42.721  | .37823 | .27548  |
| #3     | 1.1584 | .07176 | 4.6110 | .73945 | 2.3462 | 42.867  | .37573 | .23502  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 1.1867 | 3.2262 | .80213 | 7.8680 | .20645 | F 14.10 | .10007 | <.00000 |
| Stddev | .0118  | .0317  | .00160 | .0021  | .00156 | .02     | .00423 | .84355  |
| %RSD   | .99456 | .98190 | .20002 | .02678 | .75709 | .1493   | 4.2228 | 5.1765  |
| #1     | 1.1739 | 3.2621 | .80029 | 7.8672 | .20794 | 14.10   | .10477 | -15.323 |
| #2     | 1.1971 | 3.2143 | .80323 | 7.8664 | .20483 | 14.07   | .09886 | -16.747 |
| #3     | 1.1893 | 3.2021 | .80287 | 7.8704 | .20660 | 14.12   | .09658 | -16.819 |

Sample Name: K4324-01MS      Acquired: 8/14/2019 19:10:10      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-F1-(0-4)M      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 148.60  
Stddev      2.22  
%RSD      1.4968

#1      148.90  
#2      150.67  
#3      146.25

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2884.8 | 32318. | 3372.9 | 33.557 | 2348.5 |
| Stddev    | 8.1    | 46.    | 31.6   | .866   | 4.8    |
| %RSD      | .28114 | .14277 | .93737 | 2.5792 | .20456 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2875.4 | 32371. | 3337.9 | 32.568 | 2343.1 |
| #2 | 2889.1 | 32296. | 3381.7 | 34.174 | 2352.4 |
| #3 | 2889.7 | 32288. | 3399.2 | 33.929 | 2349.9 |

Sample Name: K4324-01MSD      Acquired: 8/14/2019 19:14:30      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-F1-(0-4)M      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .75520 | 2.0805 | 2.9245 | 1.8162 | .14536 | 128.19  | 1.5694 | .19736  |
| Stddev | .00182 | .0070  | .0061  | .0013  | .00306 | 1.05    | .0079  | .00018  |
| %RSD   | .24093 | .33489 | .20986 | .07149 | 2.1063 | .82130  | .50583 | .09196  |
| #1     | .75361 | 2.0728 | 2.9176 | 1.8173 | .14306 | 127.03  | 1.5610 | .19740  |
| #2     | .75482 | 2.0824 | 2.9264 | 1.8165 | .14419 | 128.45  | 1.5706 | .19716  |
| #3     | .75718 | 2.0863 | 2.9294 | 1.8147 | .14884 | 129.09  | 1.5767 | .19752  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .21638 | 44.269 | .77541 | .37953 | 1.2819 | 249.77  | 4.9777 | 91.130  |
| Stddev | .00018 | .050   | .00354 | .00075 | .0018  | .46     | .0141  | .671    |
| %RSD   | .08326 | .11205 | .45701 | .19658 | .13897 | .18301  | .28237 | .73600  |
| #1     | .21617 | 44.306 | .77187 | .37916 | 1.2809 | 249.92  | 4.9659 | 90.378  |
| #2     | .21649 | 44.289 | .77541 | .37904 | 1.2809 | 250.14  | 4.9741 | 91.347  |
| #3     | .21648 | 44.213 | .77896 | .38039 | 1.2840 | 249.26  | 4.9932 | 91.666  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 1.2377 | .07199 | 4.4763 | .74186 | 2.3079 | 41.372  | .36631 | .27187  |
| Stddev | .0013  | .00059 | .0447  | .00334 | .0017  | .119    | .00037 | .01437  |
| %RSD   | .10317 | .82469 | .99964 | .45072 | .07558 | .28804  | .10107 | 5.2843  |
| #1     | 1.2364 | .07182 | 4.4258 | .73890 | 2.3093 | 41.235  | .36626 | .25562  |
| #2     | 1.2390 | .07150 | 4.5112 | .74120 | 2.3060 | 41.425  | .36671 | .27712  |
| #3     | 1.2377 | .07265 | 4.4917 | .74549 | 2.3086 | 41.455  | .36597 | .28288  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 1.2721 | 3.1212 | .81112 | 7.6182 | .20516 | F 14.01 | .10530 | <.00000 |
| Stddev | .0025  | .0182  | .00315 | .0347  | .00122 | .01     | .00325 | .25935  |
| %RSD   | .19613 | .58338 | .38882 | .45534 | .59513 | .0412   | 3.0822 | 1.8013  |
| #1     | 1.2747 | 3.1322 | .80820 | 7.5825 | .20402 | 14.00   | .10565 | -14.302 |
| #2     | 1.2721 | 3.1313 | .81068 | 7.6203 | .20502 | 14.01   | .10189 | -14.692 |
| #3     | 1.2697 | 3.1002 | .81447 | 7.6518 | .20645 | 14.01   | .10836 | -14.200 |

Sample Name: K4324-01MSD      Acquired: 8/14/2019 19:14:30      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: T8-F1-(0-4)M Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 149.32  
 Stddev      4.37  
 %RSD      2.9242

#1      149.48  
 #2      144.88  
 #3      153.61

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2891.5 | 32367. | 3414.6 | 33.239 | 2347.7 |
| Stddev    | 5.8    | 36.    | 19.2   | .490   | .7     |
| %RSD      | .20156 | .11141 | .56214 | 1.4753 | .02792 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2887.8 | 32390. | 3393.8 | 32.885 | 2347.5 |
| #2 | 2888.4 | 32325. | 3418.6 | 33.798 | 2347.2 |
| #3 | 2898.2 | 32384. | 3431.6 | 33.033 | 2348.4 |

Sample Name: CCV06      Acquired: 8/14/2019 19:18:51      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: CCV15353      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |        |        |          |
|--------|--------|--------|--------|--------|----------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068   | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 5.1814 | 5.1275 | 5.1384 | 5.1937 | 5.1730   | 9.9974 | 10.325 | .26190   |
| Stddev | .0065  | .0152  | .0051  | .0179  | .0066    | .0673  | .075   | .00061   |
| %RSD   | .12574 | .29650 | .09993 | .34421 | .12818   | .67368 | .73005 | .23206   |
| #1     | 5.1745 | 5.1102 | 5.1349 | 5.1735 | 5.1698   | 9.9344 | 10.249 | .26120   |
| #2     | 5.1824 | 5.1385 | 5.1360 | 5.2074 | 5.1686   | 9.9894 | 10.324 | .26220   |
| #3     | 5.1874 | 5.1340 | 5.1443 | 5.2003 | 5.1807   | 10.068 | 10.400 | .26231   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5599 | 25.693 | 1.0226 | 2.5585 | 1.2989   | 5.2485 | 2.5821 | 25.506   |
| Stddev | .0015  | .065   | .0007  | .0019  | .0019    | .0115  | .0031  | .158     |
| %RSD   | .05841 | .25448 | .06470 | .07346 | .14358   | .21974 | .11946 | .61751   |
| #1     | 2.5582 | 25.709 | 1.0230 | 2.5563 | 1.2967   | 5.2357 | 2.5785 | 25.345   |
| #2     | 2.5610 | 25.748 | 1.0229 | 2.5599 | 1.2996   | 5.2582 | 2.5838 | 25.514   |
| #3     | 2.5604 | 25.621 | 1.0218 | 2.5592 | 1.3002   | 5.2516 | 2.5840 | 25.659   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5498 | 1.2766 | 25.606 | 2.5635 | 2.5451   | 25.305 | 5.1029 | 4.9348   |
| Stddev | .0029  | .0029  | .119   | .0021  | .0029    | .195   | .0025  | .0526    |
| %RSD   | .11179 | .22943 | .46442 | .08078 | .11184   | .77123 | .04971 | 1.0662   |
| #1     | 2.5530 | 1.2796 | 25.472 | 2.5658 | 2.5429   | 25.095 | 5.1000 | 4.8761   |
| #2     | 2.5476 | 1.2738 | 25.648 | 2.5618 | 2.5439   | 25.480 | 5.1045 | 4.9509   |
| #3     | 2.5487 | 1.2764 | 25.699 | 2.5629 | 2.5483   | 25.339 | 5.1043 | 4.9775   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 5.0455 | 5.0930 | 5.0442 | 5.0666 | F 3.9066 | 5.056  | 5.2131 | F 3.9959 |
| Stddev | .0151  | .0318  | .0100  | .0109  | .0237    | .020   | .0242  | .2687    |
| %RSD   | .29849 | .62360 | .19900 | .21509 | .60624   | .4009  | .46505 | 6.7238   |
| #1     | 5.0413 | 5.0992 | 5.0339 | 5.0597 | 3.8962   | 5.033  | 5.1881 | 4.1572   |
| #2     | 5.0623 | 5.1212 | 5.0448 | 5.0792 | 3.9337   | 5.062  | 5.2365 | 3.6857   |
| #3     | 5.0330 | 5.0586 | 5.0539 | 5.0610 | 3.8898   | 5.072  | 5.2147 | 4.1447   |

Sample Name: CCV06      Acquired: 8/14/2019 19:18:51      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: CCV15353      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.9722 |
| Stddev | .1117    |
| %RSD   | 2.8115   |

|    |        |
|----|--------|
| #1 | 4.1002 |
| #2 | 3.9218 |
| #3 | 3.8946 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2544.5 | 28611. | 3008.1 | 33.668 | 2416.2 |
| Stddev    | 1.5    | 35.    | 17.3   | 1.425  | 1.3    |
| %RSD      | .05926 | .12102 | .57612 | 4.2331 | .05294 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2543.4 | 28645. | 3003.2 | 33.838 | 2414.8 |
| #2 | 2546.2 | 28612. | 2993.8 | 32.165 | 2417.3 |
| #3 | 2543.8 | 28576. | 3027.4 | 35.000 | 2416.6 |

Sample Name: CCB06      Acquired: 8/14/2019 19:22:50      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: CCB15353      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |         |        |
|--------|--------|---------|--------|---------|---------|---------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00385 | -.00172 | .00165 | -.00018 | -.00148 | -.00887 | .00035 |
| Stddev | .00269 | .00157  | .00236 | .00172  | .00009  | .00199  | .00075 |
| %RSD   | 69.988 | 91.359  | 142.77 | 938.47  | 6.2616  | 22.453  | 210.18 |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00690 | -.00132 | .00178  | -.00165 | -.00154 | -.01014 | -.00035 |
| #2 | .00286 | -.00345 | .00394  | .00171  | -.00153 | -.00989 | .00028  |
| #3 | .00179 | -.00038 | -.00077 | -.00061 | -.00137 | -.00657 | .00114  |

|        |        |        |         |         |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00007 | .00001 | -.02396 | -.00036 | .00014 | .00043 | .00226 |
| Stddev | .00002 | .00003 | .01377  | .00057  | .00028 | .00026 | .00055 |
| %RSD   | 24.371 | 410.97 | 57.455  | 160.01  | 195.48 | 59.423 | 24.556 |

|    |        |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00007 | .00004  | -.01030 | -.00065 | .00039  | .00014 | .00162 |
| #2 | .00009 | .00001  | -.02375 | -.00072 | -.00016 | .00059 | .00260 |
| #3 | .00005 | -.00003 | -.03783 | .00030  | .00021  | .00058 | .00255 |

|        |         |         |        |         |        |         |         |
|--------|---------|---------|--------|---------|--------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00021 | -.03314 | .00067 | -.00211 | .05459 | -.00039 | -.00022 |
| Stddev | .00002  | .01458  | .00046 | .00040  | .00511 | .00022  | .00021  |
| %RSD   | 10.188  | 43.996  | 68.481 | 19.084  | 9.3665 | 57.545  | 95.426  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00023 | -.04554 | .00086 | -.00206 | .04883 | -.00013 | .00001  |
| #2 | -.00019 | -.03680 | .00015 | -.00253 | .05637 | -.00054 | -.00028 |
| #3 | -.00022 | -.01708 | .00099 | -.00173 | .05858 | -.00049 | -.00041 |

|        |        |        |         |         |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .12252 | .00089 | -.03158 | -.00565 | .00546 | .00128 | .00225 |
| Stddev | .02418 | .00042 | .00413  | .00088  | .00100 | .00016 | .00297 |
| %RSD   | 19.731 | 47.110 | 13.093  | 15.615  | 18.353 | 12.705 | 132.14 |

|    |        |        |         |         |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|
| #1 | .11797 | .00106 | -.03019 | -.00621 | .00661 | .00141 | .00111 |
| #2 | .10095 | .00120 | -.02832 | -.00611 | .00483 | .00133 | .00563 |
| #3 | .14865 | .00041 | -.03623 | -.00464 | .00493 | .00110 | .00001 |



Sample Name: CCB06      Acquired: 8/14/2019 19:22:50      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: CCB15353      Custom ID2:      Custom ID3:  
Comment:

|           |          |        |         |          |          |
|-----------|----------|--------|---------|----------|----------|
| Elem      | Li6707   | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm      | ppm    | ppm     | ppm      | ppm      |
| Avg       | F .00518 | .0016  | -.00000 | F .01050 | F<.00000 |
| Stddev    | .00144   | .0032  | .00013  | 1.0055   | 5.9688   |
| %RSD      | 27.835   | 201.7  | 3406.7  | 9574.3   | 260.26   |
| #1        | .00392   | .0029  | .00011  | -.58545  | -9.0103  |
| #2        | .00487   | -.0021 | .00002  | -.55451  | -.27267  |
| #3        | .00675   | .0040  | -.00014 | 1.1715   | 2.4026   |
| Int. Std. | Y_2243   | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S    | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2608.1   | 28985. | 3050.4  | 34.878   | 2643.0   |
| Stddev    | 6.0      | 101.   | 28.1    | .141     | 2.4      |
| %RSD      | .23004   | .34785 | .92154  | .40352   | .08931   |
| #1        | 2607.9   | 28869. | 3019.0  | 34.895   | 2641.1   |
| #2        | 2602.2   | 29041. | 3058.8  | 34.730   | 2642.3   |
| #3        | 2614.1   | 29045. | 3073.3  | 35.010   | 2645.6   |

Sample Name: K4324-01A      Acquired: 8/14/2019 19:27:19      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .75236 | 2.0888 | 2.9828 | 1.8210 | .14621 | 128.72 | 1.5834 | .19753 |
| Stddev | .00553 | .0061  | .0032  | .0037  | .00427 | .67    | .0077  | .00015 |
| %RSD   | .73467 | .29392 | .10550 | .20356 | 2.9171 | .51896 | .48348 | .07704 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75340 | 2.0906 | 2.9831 | 1.8234 | .14129 | 128.24 | 1.5767 | .19771 |
| #2 | .75728 | 2.0938 | 2.9795 | 1.8229 | .14864 | 129.48 | 1.5917 | .19745 |
| #3 | .74638 | 2.0819 | 2.9858 | 1.8167 | .14872 | 128.43 | 1.5817 | .19744 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21727 | 42.703 | .81187 | .37978 | 1.2798 | 249.94 | 4.9231 | 86.410 |
| Stddev | .00046 | .222   | .00284 | .00050 | .0039  | 1.27   | .0059  | .344   |
| %RSD   | .21080 | .52056 | .35016 | .13286 | .30647 | .50851 | .12004 | .39772 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21719 | 42.557 | .81385 | .37922 | 1.2758 | 250.46 | 4.9261 | 86.085 |
| #2 | .21685 | 42.592 | .81315 | .37993 | 1.2799 | 250.86 | 4.9270 | 86.770 |
| #3 | .21776 | 42.959 | .80861 | .38020 | 1.2837 | 248.49 | 4.9163 | 86.376 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.2144 | .07099 | 4.5415 | .74503 | 2.3252 | 42.053 | .37111 | .26052 |
| Stddev | .0009  | .00060 | .0323  | .00038 | .0048  | .243   | .00098 | .01726 |
| %RSD   | .07734 | .84854 | .71135 | .05121 | .20612 | .57735 | .26344 | 6.6241 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.2151 | .07048 | 4.5267 | .74471 | 2.3269 | 42.078 | .37043 | .25976 |
| #2 | 1.2133 | .07165 | 4.5785 | .74492 | 2.3198 | 42.282 | .37066 | .24365 |
| #3 | 1.2148 | .07084 | 4.5192 | .74545 | 2.3289 | 41.799 | .37223 | .27814 |

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 1.2416 | 3.1604 | .80887 | 7.6928 | .20501 | F 14.11 | .10073 | <.00000 |
| Stddev | .0033  | .0263  | .00039 | .0271  | .00041 | .02     | .00310 | .74323  |
| %RSD   | .26221 | .83147 | .04854 | .35232 | .19780 | .1113   | 3.0751 | 4.7842  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 1.2416 | 3.1488 | .80841 | 7.6616 | .20547 | 14.13 | .09908 | -14.747 |
| #2 | 1.2449 | 3.1418 | .80908 | 7.7094 | .20469 | 14.10 | .09880 | -15.634 |
| #3 | 1.2384 | 3.1904 | .80910 | 7.7076 | .20488 | 14.11 | .10430 | -16.224 |

Sample Name: K4324-01A      Acquired: 8/14/2019 19:27:19      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 150.01  
Stddev      3.35  
%RSD      2.2309

#1      153.60  
#2      146.97  
#3      149.47

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2902.8 | 32546. | 3427.5 | 33.794 | 2352.4 |
| Stddev    | 9.4    | 81.    | 18.9   | .613   | 7.8    |
| %RSD      | .32369 | .24930 | .55154 | 1.8142 | .33242 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2900.6 | 32510. | 3417.0 | 33.907 | 2347.3 |
| #2 | 2913.2 | 32490. | 3449.4 | 33.132 | 2361.4 |
| #3 | 2894.8 | 32639. | 3416.3 | 34.343 | 2348.5 |

Sample Name: K4324-04      Acquired: 8/14/2019 19:31:41      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-E1-(0-4)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .01544 | -.00453 | 1.5891 | .02317 | .01522 | 127.61 | 1.4697  | .00851  |
| Stddev | .00079 | .00062  | .0014  | .00187 | .00082 | .19    | .0059   | .00013  |
| %RSD   | 5.1019 | 13.661  | .08525 | 8.0726 | 5.4072 | .14884 | .39770  | 1.5519  |
| #1     | .01632 | -.00403 | 1.5890 | .02317 | .01555 | 127.48 | 1.4730  | .00839  |
| #2     | .01518 | -.00434 | 1.5879 | .02504 | .01584 | 127.53 | 1.4732  | .00849  |
| #3     | .01481 | -.00522 | 1.5906 | .02130 | .01429 | 127.83 | 1.4630  | .00865  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00259 | 30.104  | .27190 | .16644 | 1.0048 | 223.62 | 2.8108  | 58.922  |
| Stddev | .00008 | .081    | .00245 | .00044 | .0006  | 1.22   | .0013   | .111    |
| %RSD   | 3.0577 | .26867  | .89959 | .26268 | .05826 | .54497 | .04477  | .18877  |
| #1     | .00267 | 30.141  | .27441 | .16606 | 1.0055 | 224.24 | 2.8118  | 59.018  |
| #2     | .00251 | 30.012  | .27178 | .16692 | 1.0044 | 222.22 | 2.8094  | 58.948  |
| #3     | .00259 | 30.161  | .26952 | .16634 | 1.0046 | 224.41 | 2.8113  | 58.800  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .49529 | .00239  | 1.2259 | .42056 | 2.0251 | 35.098 | .00586  | .02096  |
| Stddev | .00046 | .00049  | .0117  | .00144 | .0032  | .044   | .00017  | .01105  |
| %RSD   | .09340 | 20.331  | .95552 | .34290 | .15966 | .12562 | 2.9008  | 52.703  |
| #1     | .49501 | .00207  | 1.2259 | .42125 | 2.0288 | 35.133 | .00593  | .01728  |
| #2     | .49583 | .00215  | 1.2376 | .42154 | 2.0241 | 35.113 | .00566  | .03337  |
| #3     | .49504 | .00295  | 1.2142 | .41891 | 2.0225 | 35.049 | .00598  | .01222  |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 4.7533 | 2.5631  | .12047 | 7.1014 | .10591 | 7.084  | -.06356 | <.00000 |
| Stddev | .0169  | .0215   | .00180 | .0141  | .00114 | .014   | .00113  | .64077  |
| %RSD   | .35451 | .84017  | 1.4942 | .19826 | 1.0727 | .1951  | 1.7725  | 3.5448  |
| #1     | 4.7588 | 2.5867  | .11925 | 7.0982 | .10692 | 7.069  | -.06482 | -18.730 |
| #2     | 4.7667 | 2.5445  | .11962 | 7.0892 | .10468 | 7.096  | -.06265 | -18.049 |
| #3     | 4.7344 | 2.5582  | .12254 | 7.1168 | .10613 | 7.086  | -.06322 | -17.449 |

Sample Name: K4324-04      Acquired: 8/14/2019 19:31:41      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: T8-E1-(0-4)      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 129.31 |
| Stddev | 3.90     |
| %RSD   | 3.0189   |

|    |        |
|----|--------|
| #1 | 124.83 |
| #2 | 131.97 |
| #3 | 131.14 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2958.1 | 32951. | 3490.3 | 34.473 | 2418.7 |
| Stddev    | 11.4   | 43.    | 15.2   | 1.219  | 7.6    |
| %RSD      | .38593 | .13046 | .43451 | 3.5359 | .31391 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2945.4 | 32904. | 3484.9 | 35.171 | 2413.7 |
| #2 | 2961.5 | 32988. | 3507.5 | 35.182 | 2415.0 |
| #3 | 2967.4 | 32961. | 3478.6 | 33.065 | 2427.5 |

Sample Name: K4324-07      Acquired: 8/14/2019 19:36:08      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-C1-(0-4)      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |         |         |
|--------|---------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .01453  | -.00676 | 1.3792 | .01385 | .00840 | 132.30 | 1.2040  | .00828  |
| Stddev | .00371  | .00273  | .0025  | .00407 | .00170 | .16    | .0046   | .00010  |
| %RSD   | 25.513  | 40.324  | .18367 | 29.350 | 20.229 | .12073 | .38552  | 1.1491  |
| #1     | .01762  | -.00989 | 1.3806 | .00945 | .00974 | 132.40 | 1.2090  | .00830  |
| #2     | .01554  | -.00492 | 1.3808 | .01464 | .00649 | 132.40 | 1.2033  | .00818  |
| #3     | .01042  | -.00547 | 1.3763 | .01747 | .00896 | 132.12 | 1.1998  | .00837  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.00105 | 38.731  | .25235 | .13307 | .66365 | 230.05 | 4.2986  | 51.192  |
| Stddev | .00024  | .173    | .00118 | .00042 | .00175 | .94    | .0033   | .449    |
| %RSD   | 22.591  | .44637  | .46798 | .31893 | .26410 | .40958 | .07638  | .87637  |
| #1     | -.00080 | 38.844  | .25371 | .13268 | .66279 | 230.71 | 4.3000  | 50.966  |
| #2     | -.00108 | 38.532  | .25161 | .13299 | .66567 | 228.97 | 4.2949  | 51.709  |
| #3     | -.00126 | 38.817  | .25173 | .13352 | .66250 | 230.46 | 4.3010  | 50.902  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .34917  | .00175  | 1.4383 | .38446 | 1.1883 | 31.519 | .00151  | .00951  |
| Stddev | .00018  | .00044  | .0095  | .00203 | .0043  | .054   | .00017  | .00995  |
| %RSD   | .05249  | 25.443  | .66129 | .52725 | .36506 | .17092 | 11.360  | 104.66  |
| #1     | .34923  | .00220  | 1.4411 | .38670 | 1.1835 | 31.572 | .00167  | .01892  |
| #2     | .34896  | .00131  | 1.4277 | .38274 | 1.1919 | 31.522 | .00153  | -.00091 |
| #3     | .34931  | .00174  | 1.4461 | .38396 | 1.1895 | 31.464 | .00133  | .01052  |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 2.4280  | 2.9674  | .09638 | 7.4243 | .09693 | 7.154  | -.04643 | <.00000 |
| Stddev | .0020   | .0053   | .00174 | .0205  | .00112 | .014   | .00084  | .50299  |
| %RSD   | .08213  | .17840  | 1.8093 | .27624 | 1.1519 | .1984  | 1.8187  | 3.3375  |
| #1     | 2.4295  | 2.9655  | .09604 | 7.4324 | .09814 | 7.138  | -.04678 | -14.545 |
| #2     | 2.4288  | 2.9734  | .09827 | 7.4010 | .09594 | 7.166  | -.04547 | -15.548 |
| #3     | 2.4258  | 2.9634  | .09483 | 7.4395 | .09671 | 7.158  | -.04705 | -15.120 |

Sample Name: K4324-07      Acquired: 8/14/2019 19:36:08      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: T8-C1-(0-4)      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 131.42 |
| Stddev | 3.15     |
| %RSD   | 2.4000   |

|    |        |
|----|--------|
| #1 | 128.42 |
| #2 | 131.14 |
| #3 | 134.70 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2927.5 | 32746. | 3488.1 | 34.253 | 2427.1 |
| Stddev    | 9.5    | 44.    | 12.4   | .721   | 8.4    |
| %RSD      | .32359 | .13539 | .35533 | 2.1046 | .34698 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2934.2 | 32719. | 3478.8 | 33.930 | 2433.7 |
| #2 | 2916.7 | 32722. | 3502.2 | 35.079 | 2417.6 |
| #3 | 2931.7 | 32798. | 3483.4 | 33.750 | 2430.1 |

Sample Name: K4328-01      Acquired: 8/14/2019 19:40:36      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 20190612-LOC      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |        |         |         |         |         |
|--------|----------|---------|---------|--------|---------|---------|---------|---------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00180   | -.00522 | -.00682 | .01546 | .00020  | 29.902  | .20756  | .00387  |
| Stddev | .00326   | .00197  | .00106  | .00059 | .00251  | .259    | .00203  | .00007  |
| %RSD   | 180.48   | 37.820  | 15.591  | 3.7982 | 1234.5  | .86675  | .97602  | 1.8229  |
| #1     | .00079   | -.00489 | -.00698 | .01559 | -.00174 | 29.639  | .20573  | .00381  |
| #2     | -.00082  | -.00733 | -.00780 | .01597 | -.00069 | 29.910  | .20720  | .00385  |
| #3     | .00545   | -.00343 | -.00569 | .01482 | .00304  | 30.157  | .20974  | .00395  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00403   | 78.450  | .05745  | .12531 | .40502  | 172.92  | 1.6777  | 28.912  |
| Stddev | .00022   | .537    | .00049  | .00094 | .00350  | .47     | .0029   | .273    |
| %RSD   | 5.4469   | .68505  | .85921  | .75113 | .86387  | .27091  | .16963  | .94428  |
| #1     | .00413   | 77.945  | .05737  | .12583 | .40259  | 172.77  | 1.6786  | 28.926  |
| #2     | .00418   | 79.015  | .05798  | .12423 | .40903  | 172.54  | 1.6745  | 28.632  |
| #3     | .00378   | 78.391  | .05700  | .12588 | .40344  | 173.44  | 1.6800  | 29.177  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924 | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .11547   | -.00304 | 1.0141  | .22389 | .21141  | 14.646  | .00033  | -.02181 |
| Stddev | .00097   | .00023  | .0023   | .00072 | .00076  | .075    | .00060  | .00635  |
| %RSD   | .83605   | 7.5018  | .22444  | .32216 | .36125  | .51219  | 183.71  | 29.107  |
| #1     | .11649   | -.00296 | 1.0164  | .22355 | .21130  | 14.623  | .00030  | -.02903 |
| #2     | .11534   | -.00329 | 1.0118  | .22341 | .21223  | 14.585  | .00095  | -.01710 |
| #3     | .11457   | -.00286 | 1.0142  | .22472 | .21071  | 14.730  | -.00026 | -.01931 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361 | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | F 17.531 | 2.5798  | .00404  | 2.0261 | .03573  | F 21.19 | -.06597 | <.00000 |
| Stddev | .036     | .0368   | .00012  | .0071  | .00121  | .17     | .00079  | 1.5412  |
| %RSD   | .20649   | 1.4269  | 3.0715  | .35099 | 3.3832  | .7929   | 1.1980  | 3.1836  |
| #1     | 17.559   | 2.5409  | .00411  | 2.0198 | .03692  | 21.30   | -.06620 | -46.634 |
| #2     | 17.544   | 2.5845  | .00390  | 2.0338 | .03579  | 21.00   | -.06509 | -49.395 |
| #3     | 17.490   | 2.6140  | .00412  | 2.0248 | .03450  | 21.28   | -.06662 | -49.200 |



Sample Name: K4328-01      Acquired: 8/14/2019 19:40:36      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 20190612-LOC      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 137.84 |
| Stddev | 2.43     |
| %RSD   | 1.7663   |

|    |        |
|----|--------|
| #1 | 137.78 |
| #2 | 140.31 |
| #3 | 135.44 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3905.5 | 44431. | 4682.2 | 33.830 | 2442.3 |
| Stddev    | 5.2    | 52.    | 29.0   | .309   | 17.6   |
| %RSD      | .13293 | .11696 | .61941 | .91209 | .72097 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3911.5 | 44401. | 4678.0 | 33.810 | 2437.5 |
| #2 | 3902.2 | 44491. | 4655.6 | 34.149 | 2461.8 |
| #3 | 3902.9 | 44401. | 4713.1 | 33.533 | 2427.5 |

Sample Name: K4329-01      Acquired: 8/14/2019 19:44:57      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: ETGI-292      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |        |        |        |        |         |
|--------|----------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .49774   | .01855 | 2.7043 | .04551 | .01256 | 66.470 | 1.2710 | .01451  |
| Stddev | .00669   | .00214 | .0064  | .00390 | .00167 | .236   | .0032  | .00017  |
| %RSD   | 1.3444   | 11.556 | .23790 | 8.5621 | 13.300 | .35555 | .25360 | 1.1566  |
| #1     | .49326   | .01608 | 2.6991 | .04533 | .01149 | 66.198 | 1.2706 | .01442  |
| #2     | .50543   | .01964 | 2.7115 | .04950 | .01172 | 66.624 | 1.2744 | .01470  |
| #3     | .49453   | .01993 | 2.7023 | .04171 | .01449 | 66.588 | 1.2679 | .01440  |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .01015   | 38.460 | .56290 | .11136 | 1.3785 | 295.83 | 1.5220 | 12.614  |
| Stddev | .00015   | .255   | .00055 | .00033 | .0039  | .99    | .0012  | .146    |
| %RSD   | 1.4310   | .66407 | .09760 | .29995 | .28031 | .33310 | .07599 | 1.1553  |
| #1     | .00999   | 38.625 | .56331 | .11100 | 1.3746 | 296.86 | 1.5228 | 12.525  |
| #2     | .01027   | 38.588 | .56227 | .11141 | 1.3784 | 295.73 | 1.5225 | 12.782  |
| #3     | .01018   | 38.165 | .56311 | .11167 | 1.3824 | 294.90 | 1.5207 | 12.535  |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .44144   | .00460 | 4.0290 | 1.7071 | 3.5421 | 5.6598 | .05306 | .07580  |
| Stddev | .00150   | .00057 | .0272  | .0014  | .0057  | .0294  | .00039 | .03758  |
| %RSD   | .33930   | 12.314 | .67406 | .08387 | .15966 | .51921 | .73167 | 49.575  |
| #1     | .44297   | .00518 | 4.0210 | 1.7079 | 3.5358 | 5.6826 | .05324 | .10878  |
| #2     | .43997   | .00455 | 4.0067 | 1.7054 | 3.5439 | 5.6266 | .05261 | .08373  |
| #3     | .44140   | .00405 | 4.0592 | 1.7078 | 3.5467 | 5.6702 | .05333 | .03489  |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 11.021 | 1.3176 | .13094 | 3.1939 | .04732 | 4.736  | .44668 | <.00000 |
| Stddev | .038     | .0261  | .00136 | .0077  | .00070 | .010   | .00412 | .50301  |
| %RSD   | .34489   | 1.9836 | 1.0404 | .24010 | 1.4819 | .2075  | .92292 | 2.6961  |
| #1     | 10.979   | 1.3451 | .12954 | 3.1850 | .04659 | 4.731  | .44876 | -18.094 |
| #2     | 11.031   | 1.3145 | .13226 | 3.1989 | .04737 | 4.747  | .44935 | -18.813 |
| #3     | 11.053   | 1.2931 | .13103 | 3.1976 | .04799 | 4.729  | .44193 | -19.063 |

Sample Name: K4329-01      Acquired: 8/14/2019 19:44:57      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: ETGI-292      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 166.84  
 Stddev      4.34  
 %RSD      2.6005

#1      161.88  
 #2      169.97  
 #3      168.66

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2861.5 | 32140. | 3426.2 | 36.089 | 2497.3 |
| Stddev    | 5.8    | 22.    | 22.3   | 1.163  | 7.2    |
| %RSD      | .20237 | .06829 | .64990 | 3.2216 | .28634 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2868.1 | 32142. | 3408.4 | 35.936 | 2505.2 |
| #2 | 2857.2 | 32118. | 3419.1 | 37.320 | 2491.2 |
| #3 | 2859.2 | 32161. | 3451.2 | 35.010 | 2495.5 |

Sample Name: K4339-01      Acquired: 8/14/2019 19:49:15      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: T8-A1-A4-(0-      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03971 | -.00286 | 3.2396 | .01524 | .01373 | 111.20 | 1.9764 | .00916 |
| Stddev | .00349 | .00161  | .0017  | .00270 | .00258 | .35    | .0086  | .00014 |
| %RSD   | 8.7781 | 56.285  | .05313 | 17.685 | 18.814 | .31643 | .43568 | 1.5672 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .04362 | -.00448 | 3.2383 | .01590 | .01285 | 110.80 | 1.9719 | .00903 |
| #2 | .03692 | -.00284 | 3.2389 | .01755 | .01171 | 111.34 | 1.9864 | .00931 |
| #3 | .03860 | -.00126 | 3.2416 | .01228 | .01664 | 111.46 | 1.9710 | .00914 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00790 | 53.389 | .27991 | .15399 | 1.2994 | 228.07 | 5.7325 | 60.609 |
| Stddev | .00010 | .136   | .00021 | .00048 | .0031  | 1.54   | .0107  | .274   |
| %RSD   | 1.2992 | .25439 | .07598 | .31043 | .23459 | .67708 | .18739 | .45231 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00801 | 53.243 | .27997 | .15372 | 1.2969 | 228.10 | 5.7316 | 60.426 |
| #2 | .00783 | 53.512 | .27967 | .15371 | 1.2986 | 229.60 | 5.7436 | 60.925 |
| #3 | .00784 | 53.412 | .28008 | .15454 | 1.3028 | 226.51 | 5.7222 | 60.478 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .66483 | .00468 | 2.2824 | .40401 | 2.8498 | 25.452 | .00390 | .03845 |
| Stddev | .00046 | .00030 | .0166  | .00226 | .0040  | .042   | .00030 | .01864 |
| %RSD   | .06892 | 6.4881 | .72869 | .55945 | .13899 | .16482 | 7.5683 | 48.478 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .66505 | .00459 | 2.2936 | .40246 | 2.8467 | 25.450 | .00357 | .05199 |
| #2 | .66514 | .00501 | 2.2904 | .40297 | 2.8484 | 25.494 | .00397 | .04618 |
| #3 | .66430 | .00442 | 2.2633 | .40661 | 2.8543 | 25.411 | .00415 | .01719 |

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 2.1215 | 2.4509 | .17661 | 5.3752 | .09349 | F 10.04 | .10154 | <.00000 |
| Stddev | .0070  | .0052  | .00089 | .0238  | .00102 | .01     | .00223 | .22788  |
| %RSD   | .33068 | .21136 | .50125 | .44196 | 1.0872 | .0584   | 2.1971 | 1.6177  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 2.1211 | 2.4466 | .17712 | 5.3490 | .09418 | 10.03 | .10096 | -14.314 |
| #2 | 2.1287 | 2.4494 | .17712 | 5.3814 | .09232 | 10.04 | .09966 | -13.858 |
| #3 | 2.1147 | 2.4567 | .17559 | 5.3953 | .09396 | 10.03 | .10401 | -14.088 |

Sample Name: K4339-01      Acquired: 8/14/2019 19:49:15      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: T8-A1-A4-(0-      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 131.71  
 Stddev      2.16  
 %RSD      1.6408

#1      129.58  
 #2      131.65  
 #3      133.90

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2940.9 | 33018. | 3497.5 | 34.331 | 2413.4 |
| Stddev    | 4.7    | 167.   | 12.2   | .742   | 2.4    |
| %RSD      | .15928 | .50481 | .34907 | 2.1599 | .09800 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2938.3 | 32988. | 3491.2 | 34.977 | 2413.2 |
| #2 | 2946.3 | 32869. | 3489.8 | 33.521 | 2415.9 |
| #3 | 2938.0 | 33198. | 3511.6 | 34.496 | 2411.1 |

Sample Name: K4339-10      Acquired: 8/14/2019 19:53:33      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-B1-(0-4)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .02779 | -.00115 | 2.1018 | .01799 | .00571 | 93.030 | 1.3319 | .00802  |
| Stddev | .00147 | .00188  | .0064  | .00403 | .00129 | .678   | .0047  | .00012  |
| %RSD   | 5.2915 | 162.80  | .30592 | 22.374 | 22.659 | .72830 | .35027 | 1.5485  |
| #1     | .02782 | -.00330 | 2.0975 | .01346 | .00582 | 93.448 | 1.3368 | .00807  |
| #2     | .02630 | -.00033 | 2.1092 | .02116 | .00694 | 92.248 | 1.3276 | .00788  |
| #3     | .02924 | .00017  | 2.0988 | .01935 | .00436 | 93.393 | 1.3312 | .00811  |
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .01251 | 70.820  | .20387 | .11793 | 1.0679 | 215.89 | 3.8678 | 46.726  |
| Stddev | .00014 | .291    | .00049 | .00078 | .0020  | 1.21   | .0052  | .265    |
| %RSD   | 1.1401 | .41090  | .23870 | .66516 | .18790 | .55843 | .13354 | .56743  |
| #1     | .01238 | 70.484  | .20423 | .11759 | 1.0685 | 216.76 | 3.8734 | 46.637  |
| #2     | .01266 | 70.994  | .20332 | .11738 | 1.0695 | 214.51 | 3.8670 | 46.517  |
| #3     | .01250 | 70.981  | .20407 | .11883 | 1.0656 | 216.40 | 3.8631 | 47.024  |
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .45696 | .01112  | 1.4806 | .35528 | 3.8454 | 19.374 | .00356 | .00429  |
| Stddev | .00137 | .00093  | .0160  | .00254 | .0223  | .093   | .00036 | .00267  |
| %RSD   | .30077 | 8.3619  | 1.0836 | .71425 | .57984 | .48121 | 10.185 | 62.241  |
| #1     | .45587 | .01029  | 1.4832 | .35763 | 3.8550 | 19.403 | .00392 | .00689  |
| #2     | .45651 | .01095  | 1.4634 | .35259 | 3.8199 | 19.269 | .00320 | .00155  |
| #3     | .45850 | .01212  | 1.4952 | .35563 | 3.8613 | 19.449 | .00356 | .00444  |
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 2.8142 | 2.2132  | .10670 | 4.1231 | .08474 | 6.617  | .13878 | <.00000 |
| Stddev | .0071  | .0378   | .00179 | .0058  | .00176 | .006   | .00141 | .91078  |
| %RSD   | .25133 | 1.7087  | 1.6791 | .14116 | 2.0824 | .0985  | 1.0187 | 7.3248  |
| #1     | 2.8064 | 2.1893  | .10464 | 4.1170 | .08642 | 6.621  | .13729 | -12.328 |
| #2     | 2.8159 | 2.1936  | .10766 | 4.1237 | .08290 | 6.622  | .13895 | -11.581 |
| #3     | 2.8202 | 2.2568  | .10781 | 4.1286 | .08489 | 6.610  | .14010 | -13.393 |

Sample Name: K4339-10      Acquired: 8/14/2019 19:53:33      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: T8-B1-(0-4)      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 121.36 |
| Stddev | 3.66     |
| %RSD   | 3.0181   |

|    |        |
|----|--------|
| #1 | 120.82 |
| #2 | 117.99 |
| #3 | 125.26 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2900.6 | 32698. | 3480.8 | 35.677 | 2450.0 |
| Stddev    | 14.1   | 120.   | 16.2   | 1.499  | 14.4   |
| %RSD      | .48598 | .36793 | .46467 | 4.2022 | .58975 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2893.5 | 32572. | 3499.4 | 36.777 | 2445.2 |
| #2 | 2916.9 | 32811. | 3473.6 | 33.969 | 2466.3 |
| #3 | 2891.5 | 32712. | 3469.6 | 36.284 | 2438.6 |

Sample Name: K4340-01      Acquired: 8/14/2019 19:57:52      Type: Unk

Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000

User: Bin      Custom ID1: LS-SAMPLE-1      Custom ID2:      Custom ID3:

Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02288 | -.00761 | .14703 | .00980 | .01300 | 216.09 | 1.2877 | .01557 |
| Stddev | .00532 | .00359  | .00118 | .00310 | .00196 | .55    | .0001  | .00008 |
| %RSD   | 23.234 | 47.260  | .80305 | 31.643 | 15.054 | .25222 | .01012 | .52437 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .02825 | -.01169 | .14572 | .00887 | .01397 | 215.50 | 1.2877 | .01557 |
| #2 | .01762 | -.00491 | .14733 | .01327 | .01075 | 216.22 | 1.2879 | .01550 |
| #3 | .02277 | -.00622 | .14803 | .00727 | .01428 | 216.56 | 1.2876 | .01566 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01020 | 80.777 | .33509 | .27276 | .83050 | 363.41 | 8.3808 | 104.59 |
| Stddev | .00027 | .375   | .00065 | .00083 | .00288 | .26    | .0602  | .22    |
| %RSD   | 2.6781 | .46362 | .19448 | .30373 | .34641 | .07030 | .71776 | .20673 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01032 | 81.139 | .33566 | .27371 | .83224 | 363.35 | 8.4314 | 104.43 |
| #2 | .01040 | 80.391 | .33438 | .27240 | .83208 | 363.69 | 8.3968 | 104.83 |
| #3 | .00989 | 80.801 | .33523 | .27217 | .82718 | 363.19 | 8.3143 | 104.50 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .47212 | -.00319 | 5.4731 | .61871 | 1.1272 | 24.831 | -.00108 | .05633 |
| Stddev | .00093 | .00039  | .0072  | .00030 | .0014  | .047   | .00057  | .01844 |
| %RSD   | .19797 | 12.204  | .13140 | .04785 | .11969 | .18989 | 52.267  | 32.730 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .47294 | -.00276 | 5.4695 | .61842 | 1.1262 | 24.796 | -.00057 | .07718 |
| #2 | .47110 | -.00329 | 5.4685 | .61871 | 1.1287 | 24.885 | -.00169 | .04219 |
| #3 | .47233 | -.00352 | 5.4814 | .61901 | 1.1267 | 24.811 | -.00099 | .04961 |

|        |        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 3.1034 | 4.8412 | .01365 | 6.2479 | .19135 | 7.940  | -.05826 | <.00000 |
| Stddev | .0077  | .0188  | .00086 | .0168  | .00053 | .014   | .00232  | .52818  |
| %RSD   | .24681 | .38786 | 6.2988 | .26832 | .27478 | .1696  | 3.9813  | 1.4726  |

|    |        |        |        |        |        |       |         |         |
|----|--------|--------|--------|--------|--------|-------|---------|---------|
| #1 | 3.0948 | 4.8468 | .01447 | 6.2652 | .19172 | 7.954 | -.05587 | -36.476 |
| #2 | 3.1096 | 4.8203 | .01370 | 6.2318 | .19074 | 7.939 | -.06051 | -35.528 |
| #3 | 3.1057 | 4.8566 | .01276 | 6.2468 | .19158 | 7.928 | -.05840 | -35.599 |



Sample Name: K4340-01      Acquired: 8/14/2019 19:57:52      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: LS-SAMPLE-1      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 307.89  
Stddev      4.21  
%RSD      1.3660

#1      307.96  
#2      303.65  
#3      312.06

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3271.2 | 36719. | 3959.5 | 32.494 | 2251.5 |
| Stddev    | 5.9    | 97.    | 22.5   | .412   | 2.8    |
| %RSD      | .18028 | .26310 | .56731 | 1.2689 | .12565 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3276.2 | 36610. | 3934.5 | 32.886 | 2254.2 |
| #2 | 3264.7 | 36753. | 3978.0 | 32.532 | 2248.6 |
| #3 | 3272.7 | 36794. | 3966.0 | 32.064 | 2251.8 |

Sample Name: K4340-03      Acquired: 8/14/2019 20:02:28      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: LS-SAMPLE-2      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |         |
|--------|---------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00677  | -.00142 | .03816 | .01986 | .00663 | 84.690 | .42466 | .00620  |
| Stddev | .00053  | .00035  | .00077 | .00620 | .00446 | .447   | .00245 | .00020  |
| %RSD   | 7.8227  | 24.698  | 2.0269 | 31.221 | 67.378 | .52781 | .57687 | 3.2317  |
| #1     | .00697  | -.00178 | .03905 | .01509 | .00765 | 84.183 | .42267 | .00605  |
| #2     | .00717  | -.00108 | .03767 | .01761 | .00174 | 84.857 | .42391 | .00643  |
| #3     | .00617  | -.00139 | .03776 | .02687 | .01049 | 85.029 | .42740 | .00612  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00215 | 53.298  | .16007 | .11872 | .46954 | 205.39 | 3.3941 | 47.188  |
| Stddev | .00021  | .098    | .00061 | .00053 | .00113 | 1.00   | .0036  | .374    |
| %RSD   | 9.8142  | .18334  | .38285 | .44379 | .24108 | .48801 | .10546 | .79201  |
| #1     | -.00205 | 53.333  | .16040 | .11857 | .46947 | 205.14 | 3.3974 | 46.876  |
| #2     | -.00200 | 53.374  | .16044 | .11930 | .47070 | 204.54 | 3.3903 | 47.085  |
| #3     | -.00239 | 53.188  | .15936 | .11828 | .46844 | 206.49 | 3.3946 | 47.602  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .16067  | .00166  | 5.4628 | .38953 | .48539 | 7.7245 | .00502 | .03406  |
| Stddev | .00025  | .00039  | .0340  | .00138 | .00121 | .1178  | .00015 | .01513  |
| %RSD   | .15619  | 23.192  | .62228 | .35382 | .24845 | 1.5245 | 2.9736 | 44.420  |
| #1     | .16067  | .00207  | 5.4312 | .38814 | .48580 | 7.5890 | .00493 | .04535  |
| #2     | .16042  | .00130  | 5.4584 | .39090 | .48633 | 7.8020 | .00493 | .01687  |
| #3     | .16092  | .00163  | 5.4988 | .38953 | .48403 | 7.7826 | .00519 | .03997  |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 9.7225  | 2.0958  | .00142 | 4.9466 | .10709 | 4.181  | .00514 | <.00000 |
| Stddev | .0178   | .0255   | .00025 | .0292  | .00020 | .019   | .00126 | .65009  |
| %RSD   | .18263  | 1.2150  | 17.275 | .59065 | .18430 | .4507  | 24.432 | 4.0308  |
| #1     | 9.7371  | 2.1247  | .00124 | 4.9280 | .10715 | 4.201  | .00414 | -15.546 |
| #2     | 9.7028  | 2.0765  | .00132 | 4.9315 | .10725 | 4.179  | .00655 | -16.829 |
| #3     | 9.7277  | 2.0863  | .00170 | 4.9803 | .10687 | 4.163  | .00473 | -16.009 |

Sample Name: K4340-03      Acquired: 8/14/2019 20:02:28      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: LS-SAMPLE-2      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 111.03  
 Stddev      1.30  
 %RSD      1.1731

#1      109.56  
 #2      111.50  
 #3      112.03

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2965.9 | 33017. | 3493.4 | 33.857 | 2464.1 |
| Stddev    | 11.6   | 15.    | 13.0   | 1.136  | 11.1   |
| %RSD      | .39262 | .04493 | .37118 | 3.3560 | .44989 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2952.7 | 33008. | 3478.5 | 35.072 | 2451.3 |
| #2 | 2970.8 | 33034. | 3499.3 | 33.679 | 2469.9 |
| #3 | 2974.4 | 33010. | 3502.3 | 32.820 | 2471.0 |

Sample Name: K4238-09      Acquired: 8/14/2019 20:06:48      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: TP-17      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |        |         |          |         |        |         |
|--------|----------|----------|--------|---------|----------|---------|--------|---------|
| Elem   | As1890   | Tl1908   | Pb2203 | Se1960  | Sb2068   | Al3961  | Ba4934 | Be2348  |
| Units  | ppm      | ppm      | ppm    | ppm     | ppm      | ppm     | ppm    | ppm     |
| Avg    | .20466   | -.36147  | 23.986 | -.23684 | .05199   | 968.32  | 6.7936 | .05931  |
| Stddev | .00178   | .01831   | .073   | .00505  | .00242   | 3.98    | .0114  | .00032  |
| %RSD   | .86898   | 5.0666   | .30583 | 2.1330  | 4.6507   | .41108  | .16756 | .54203  |
| #1     | .20282   | -.38250  | 23.902 | -.23953 | .05466   | 965.51  | 6.8068 | .05906  |
| #2     | .20476   | -.35288  | 24.031 | -.23101 | .05138   | 972.88  | 6.7872 | .05967  |
| #3     | .20638   | -.34903  | 24.026 | -.23997 | .04994   | 966.57  | 6.7870 | .05919  |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286  | Cu2247   | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm      | ppm      | ppm    | ppm     | ppm      | ppm     | ppm    | ppm     |
| Avg    | .78590   | 260.06   | .83380 | 3.4743  | 6.1206   | 311.96  | 19.317 | 233.90  |
| Stddev | .00275   | .97      | .00196 | .0031   | .0114    | 1.59    | .033   | .31     |
| %RSD   | .35028   | .37374   | .23488 | .08925  | .18631   | .50992  | .17122 | .13215  |
| #1     | .78365   | 259.07   | .83343 | 3.4715  | 6.1219   | 313.52  | 19.288 | 233.71  |
| #2     | .78507   | 261.01   | .83591 | 3.4776  | 6.1085   | 312.02  | 19.309 | 234.26  |
| #3     | .78897   | 260.11   | .83205 | 3.4739  | 6.1312   | 310.34  | 19.353 | 233.74  |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924  | Zn2138   | K_7664  | Mo2020 | B_2496  |
| Units  | ppm      | ppm      | ppm    | ppm     | ppm      | ppm     | ppm    | ppm     |
| Avg    | 6.5786   | -.09206  | 250.52 | 1.4428  | F 49.689 | 78.063  | .00431 | -.61228 |
| Stddev | .0038    | .00044   | 1.35   | .0064   | .082     | .298    | .00010 | .01759  |
| %RSD   | .05754   | .47442   | .53750 | .44095  | .16403   | .38166  | 2.4076 | 2.8727  |
| #1     | 6.5745   | -.09228  | 250.86 | 1.4355  | 49.657   | 78.230  | .00443 | -.59960 |
| #2     | 6.5791   | -.09155  | 251.66 | 1.4464  | 49.781   | 78.240  | .00428 | -.63236 |
| #3     | 6.5820   | -.09234  | 249.03 | 1.4467  | 49.628   | 77.719  | .00423 | -.60487 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361  | Li6707   | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm      | ppm    | ppm     | ppm      | ppm     | ppm    | ppm     |
| Avg    | F 785.28 | F 28.116 | 1.0935 | 6.6153  | .64306   | F 246.8 | 1.3388 | <.00000 |
| Stddev | .94      | .189     | .0059  | .0286   | .00175   | .3      | .0061  | 1.8273  |
| %RSD   | .11983   | .67387   | .54019 | .43235  | .27176   | .1203   | .45767 | .62672  |
| #1     | 785.43   | 27.907   | 1.0913 | 6.5945  | .64164   | 247.0   | 1.3321 | -293.66 |
| #2     | 786.13   | 28.164   | 1.1002 | 6.6479  | .64501   | 246.9   | 1.3442 | -290.71 |
| #3     | 784.27   | 28.277   | 1.0890 | 6.6035  | .64254   | 246.4   | 1.3400 | -290.32 |

Sample Name: K4238-09      Acquired: 8/14/2019 20:06:48      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: TP-17      Custom ID2:      Custom ID3:  
Comment:

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

#1      ^ ----  
#2      ^ ----  
#3      ^ ----

| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306 | In2306 |
|-----------|--------|---------|--------|--------|--------|
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 8394.3 | 100680. | 12022. | 24.898 | 1083.2 |
| Stddev    | 8.3    | 430.    | 45.    | .696   | .8     |
| %RSD      | .09907 | .42742  | .37706 | 2.7939 | .07589 |

|    |        |         |        |        |        |
|----|--------|---------|--------|--------|--------|
| #1 | 8393.6 | 100520. | 12057. | 25.684 | 1083.8 |
| #2 | 8402.9 | 100350. | 11970. | 24.651 | 1082.3 |
| #3 | 8386.3 | 101170. | 12038. | 24.360 | 1083.6 |

Sample Name: CCV07      Acquired: 8/14/2019 20:11:38      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | 5.1771 | 5.1054 | 5.1437 | 5.1715 | 5.1657   | 10.054 | 10.361 | .26418   |
| Stddev | .0192  | .0150  | .0211  | .0215  | .0129    | .097   | .032   | .00028   |
| %RSD   | .37057 | .29334 | .41047 | .41569 | .25044   | .96488 | .30938 | .10445   |
| #1     | 5.1638 | 5.1227 | 5.1586 | 5.1486 | 5.1588   | 9.9859 | 10.327 | .26387   |
| #2     | 5.1991 | 5.0960 | 5.1530 | 5.1746 | 5.1806   | 10.011 | 10.366 | .26427   |
| #3     | 5.1684 | 5.0975 | 5.1196 | 5.1912 | 5.1577   | 10.165 | 10.391 | .26440   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5602 | 25.776 | 1.0295 | 2.5582 | 1.3018   | 5.3031 | 2.5974 | 25.593   |
| Stddev | .0061  | .108   | .0022  | .0088  | .0052    | .0113  | .0028  | .222     |
| %RSD   | .23712 | .41835 | .21891 | .34293 | .39740   | .21302 | .10722 | .86821   |
| #1     | 2.5643 | 25.836 | 1.0295 | 2.5640 | 1.3060   | 5.3157 | 2.6001 | 25.400   |
| #2     | 2.5631 | 25.841 | 1.0318 | 2.5625 | 1.3035   | 5.2997 | 2.5977 | 25.542   |
| #3     | 2.5532 | 25.652 | 1.0273 | 2.5481 | 1.2960   | 5.2939 | 2.5946 | 25.836   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5552 | 1.2803 | 25.754 | 2.5674 | 2.5353   | 25.461 | 5.1034 | 4.9082   |
| Stddev | .0067  | .0032  | .013   | .0057  | .0058    | .111   | .0050  | .0186    |
| %RSD   | .26116 | .25303 | .05067 | .22364 | .22808   | .43743 | .09815 | .37820   |
| #1     | 2.5584 | 1.2797 | 25.740 | 2.5616 | 2.5402   | 25.499 | 5.0985 | 4.8873   |
| #2     | 2.5597 | 1.2838 | 25.757 | 2.5675 | 2.5368   | 25.549 | 5.1085 | 4.9150   |
| #3     | 2.5475 | 1.2774 | 25.766 | 2.5731 | 2.5289   | 25.336 | 5.1031 | 4.9225   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 5.0958 | 5.3356 | 5.0364 | 5.0694 | F 3.8845 | 5.047  | 5.2121 | F 2.9658 |
| Stddev | .0142  | .0810  | .0098  | .0074  | .0368    | .003   | .0442  | .3252    |
| %RSD   | .27867 | 1.5183 | .19408 | .14574 | .94800   | .0671  | .84847 | 10.966   |
| #1     | 5.1080 | 5.4032 | 5.0423 | 5.0666 | 3.9065   | 5.045  | 5.2348 | 2.5904   |
| #2     | 5.0993 | 5.3578 | 5.0417 | 5.0778 | 3.9049   | 5.046  | 5.2404 | 3.1439   |
| #3     | 5.0802 | 5.2458 | 5.0251 | 5.0638 | 3.8419   | 5.051  | 5.1611 | 3.1631   |

Sample Name: CCV07      Acquired: 8/14/2019 20:11:38      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .01132  
Stddev      3.6794  
%RSD      32498.

#1      2.0874  
#2      -4.2369  
#3      2.1834

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2585.2 | 28980. | 3052.9 | 34.876 | 2454.3 |
| Stddev    | 3.4    | 11.    | 36.2   | 1.833  | 8.7    |
| %RSD      | .13002 | .03920 | 1.1844 | 5.2546 | .35376 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2583.2 | 28972. | 3026.9 | 32.787 | 2445.8 |
| #2 | 2583.3 | 28974. | 3037.5 | 36.213 | 2453.9 |
| #3 | 2589.1 | 28993. | 3094.2 | 35.627 | 2463.1 |

Sample Name: CCB07      Acquired: 8/14/2019 20:15:36      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |         |         |         |         |
|--------|----------|---------|--------|---------|---------|---------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934  |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | F .00566 | -.00214 | .00217 | -.00133 | -.00088 | -.02964 | -.00022 |
| Stddev | .00288   | .00182  | .00043 | .00277  | .00125  | .00746  | .00021  |
| %RSD   | 50.890   | 85.201  | 19.786 | 208.16  | 141.88  | 25.163  | 97.920  |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00338 | -.00135 | .00202 | -.00446 | -.00207 | -.02844 | -.00005 |
| #2 | .00890 | -.00084 | .00266 | -.00030 | -.00102 | -.02285 | -.00014 |
| #3 | .00471 | -.00422 | .00184 | .00078  | .00043  | -.03762 | -.00046 |

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00004 | -.00003 | -.02621 | -.00004 | -.00004 | -.00055 | .00509 |
| Stddev | .00010 | .00010  | .01049  | .00041  | .00028  | .00021  | .00021 |
| %RSD   | 247.18 | 354.86  | 40.043  | 1089.1  | 682.73  | 37.518  | 4.1849 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | .00003  | .00004  | -.03717 | -.00043 | -.00027 | -.00078 | .00514 |
| #2 | .00014  | -.00015 | -.01626 | -.00006 | .00027  | -.00039 | .00528 |
| #3 | -.00006 | .00002  | -.02519 | .00038  | -.00011 | -.00048 | .00486 |

|        |         |         |        |         |        |         |        |
|--------|---------|---------|--------|---------|--------|---------|--------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00006 | -.01884 | .00149 | -.00260 | .18651 | -.00042 | .00057 |
| Stddev | .00010  | .02039  | .00005 | .00025  | .00761 | .00024  | .00006 |
| %RSD   | 167.47  | 108.21  | 3.3571 | 9.5553  | 4.0801 | 57.571  | 11.294 |

|    |         |         |        |         |        |         |        |
|----|---------|---------|--------|---------|--------|---------|--------|
| #1 | -.00018 | .00450  | .00143 | -.00250 | .19332 | -.00056 | .00058 |
| #2 | -.00003 | -.02788 | .00150 | -.00288 | .17830 | -.00014 | .00063 |
| #3 | .00002  | -.03315 | .00153 | -.00242 | .18792 | -.00057 | .00050 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | .19974 | .00113 | -.00204 | F .00875 | .01410 | .00038 | .00483 |
| Stddev | .05802 | .00035 | .01871  | .00370   | .00437 | .00028 | .00430 |
| %RSD   | 29.048 | 31.228 | 916.95  | 42.276   | 31.017 | 74.632 | 88.988 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | .26632 | .00153 | .00970  | .01300 | .01774 | .00022 | .00980 |
| #2 | .17292 | .00100 | -.02361 | .00629 | .01532 | .00021 | .00238 |
| #3 | .15999 | .00087 | .00779  | .00695 | .00925 | .00070 | .00232 |



Sample Name: CCB07      Acquired: 8/14/2019 20:15:36      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |        |         |          |          |
|--------|----------|--------|---------|----------|----------|
| Elem   | Li6707   | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm      | ppm    | ppm     | ppm      | ppm      |
| Avg    | F .00753 | .0023  | -.00006 | F<.00000 | F 2.1340 |
| Stddev | .00048   | .0020  | .00010  | .56984   | 2.8138   |
| %RSD   | 6.3803   | 86.70  | 182.64  | 40.423   | 131.85   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .00800 | .0045 | -.00002 | -.80532 | 5.0599  |
| #2 | .00704 | .0006 | .00002  | -1.9372 | 1.8945  |
| #3 | .00756 | .0018 | -.00018 | -1.4866 | -.55239 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2638.1 | 29482. | 3099.3 | 36.065 | 2671.1 |
| Stddev    | 9.3    | 62.    | 5.9    | .570   | 10.6   |
| %RSD      | .35065 | .20997 | .19081 | 1.5791 | .39568 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2630.0 | 29550. | 3094.3 | 35.525 | 2661.1 |
| #2 | 2648.2 | 29468. | 3105.8 | 36.010 | 2682.2 |
| #3 | 2636.2 | 29429. | 3097.7 | 36.660 | 2670.1 |

Sample Name: K4277-13      Acquired: 8/14/2019 20:20:04      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: TP-22      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |        |         |        |         |         |         |
|--------|----------|----------|--------|---------|--------|---------|---------|---------|
| Elem   | As1890   | Tl1908   | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934  | Be2348  |
| Units  | ppm      | ppm      | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .07684   | -.04996  | 3.4273 | -.08289 | .02299 | 428.78  | 5.4307  | .04001  |
| Stddev | .00175   | .00844   | .0121  | .00355  | .00218 | 3.53    | .0179   | .00005  |
| %RSD   | 2.2746   | 16.889   | .35243 | 4.2866  | 9.4765 | .82222  | .33002  | .12005  |
| #1     | .07745   | -.04637  | 3.4337 | -.08689 | .02077 | 424.96  | 5.4125  | .03998  |
| #2     | .07487   | -.05960  | 3.4134 | -.08010 | .02512 | 429.49  | 5.4315  | .03999  |
| #3     | .07820   | -.04391  | 3.4348 | -.08168 | .02308 | 431.90  | 5.4483  | .04006  |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm      | ppm      | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .25943   | 148.53   | .40851 | 1.5396  | 3.7119 | 315.64  | 26.523  | 157.29  |
| Stddev | .00065   | .84      | .00066 | .0023   | .0013  | 1.08    | .195    | .82     |
| %RSD   | .25139   | .56525   | .16252 | .15046  | .03563 | .34126  | .73509  | .52268  |
| #1     | .25927   | 148.83   | .40775 | 1.5423  | 3.7124 | 314.68  | 26.408  | 156.45  |
| #2     | .25888   | 147.58   | .40879 | 1.5382  | 3.7129 | 316.81  | 26.748  | 157.34  |
| #3     | .26015   | 149.18   | .40899 | 1.5383  | 3.7104 | 315.44  | 26.412  | 158.09  |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924  | Zn2138 | K_7664  | Mo2020  | B_2496  |
| Units  | ppm      | ppm      | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | 2.6645   | -.04954  | 101.73 | .58980  | 11.882 | 68.761  | -.00008 | -.17663 |
| Stddev | .0032    | .00049   | .12    | .00096  | .016   | .068    | .00013  | .00556  |
| %RSD   | .12146   | .98277   | .11322 | .16259  | .13523 | .09859  | 170.86  | 3.1507  |
| #1     | 2.6681   | -.04967  | 101.77 | .59029  | 11.899 | 68.685  | -.00022 | -.18231 |
| #2     | 2.6633   | -.04900  | 101.82 | .59041  | 11.868 | 68.780  | .00005  | -.17638 |
| #3     | 2.6620   | -.04995  | 101.60 | .58870  | 11.878 | 68.817  | -.00007 | -.17119 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361  | Li6707 | P_1774  | Sr4077  | U_3670  |
| Units  | ppm      | ppm      | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | F 39.970 | F 28.920 | .15282 | 3.5356  | .30256 | F 71.50 | .73244  | <.00000 |
| Stddev | .091     | .174     | .00247 | .0094   | .00115 | .04     | .00790  | .75664  |
| %RSD   | .22713   | .60138   | 1.6159 | .26643  | .38006 | .0557   | 1.0782  | .33999  |
| #1     | 40.071   | 29.103   | .15197 | 3.5423  | .30328 | 71.54   | .73784  | -221.68 |
| #2     | 39.895   | 28.758   | .15088 | 3.5248  | .30123 | 71.46   | .72338  | -222.88 |
| #3     | 39.944   | 28.898   | .15560 | 3.5396  | .30316 | 71.49   | .73612  | -223.08 |

Sample Name: K4277-13      Acquired: 8/14/2019 20:20:04      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: TP-22      Custom ID2:      Custom ID3:  
Comment:

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

#1      ^ -----  
#2      1717.3  
#3      1740.0

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 7654.7 | 90322. | 10239. | 26.928 | 1574.6 |
| Stddev    | 16.3   | 283.   | 65.    | .994   | 4.2    |
| %RSD      | .21332 | .31334 | .63885 | 3.6915 | .26378 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 7640.2 | 90249. | 10165. | 27.643 | 1569.9 |
| #2 | 7651.5 | 90082. | 10290. | 25.792 | 1577.3 |
| #3 | 7672.4 | 90634. | 10261. | 27.347 | 1576.7 |

Sample Name: K4329-03      Acquired: 8/14/2019 20:24:50      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: WATER-PIT      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02915 | -.00074 | .02421 | .00298 | .00562 | 2.3093 | .23687 |
| Stddev | .00036 | .00417  | .00053 | .00376 | .00162 | .0040  | .00153 |
| %RSD   | 1.2483 | 564.61  | 2.1927 | 126.32 | 28.733 | .17206 | .64550 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02873 | -.00471 | .02382 | .00690  | .00589 | 2.3055 | .23511 |
| #2 | .02938 | .00361  | .02401 | -.00059 | .00709 | 2.3089 | .23765 |
| #3 | .02933 | -.00112 | .02482 | .00262  | .00389 | 2.3134 | .23785 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00030 | -.00003 | 69.810 | .00627 | .00498 | .02227 | 7.6159 |
| Stddev | .00010 | .00018  | .386   | .00045 | .00036 | .00082 | .0270  |
| %RSD   | 34.739 | 651.11  | .55264 | 7.1552 | 7.2079 | 3.6606 | .35401 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00024 | -.00013 | 69.414 | .00663 | .00536 | .02239 | 7.6120 |
| #2 | .00024 | .00018  | 70.184 | .00640 | .00495 | .02302 | 7.5912 |
| #3 | .00042 | -.00014 | 69.832 | .00577 | .00464 | .02140 | 7.6447 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .28790 | 23.663 | .01927 | -.00232 | 305.88 | .09174 | .18619 |
| Stddev | .00055 | .111   | .00022 | .00032  | 2.29   | .00069 | .00040 |
| %RSD   | .19032 | .47000 | 1.1186 | 13.711  | .74713 | .74816 | .21701 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .28755 | 23.660 | .01951 | -.00225 | 304.13 | .09095 | .18639 |
| #2 | .28761 | 23.553 | .01923 | -.00266 | 305.04 | .09220 | .18573 |
| #3 | .28853 | 23.775 | .01908 | -.00204 | 308.47 | .09206 | .18646 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 15.076 | .00713 | .24714 | 5.8831 | F 32.248 | .00010 | .09088 |
| Stddev | .063   | .00035 | .01098 | .0151  | .076     | .00093 | .00492 |
| %RSD   | .41601 | 4.9272 | 4.4431 | .25731 | .23626   | 922.73 | 5.4153 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 15.118 | .00754 | .24656 | 5.9005 | 32.167 | .00104  | .09067 |
| #2 | 15.105 | .00691 | .23647 | 5.8757 | 32.319 | .00009  | .08606 |
| #3 | 15.003 | .00695 | .25841 | 5.8730 | 32.258 | -.00083 | .09590 |

Sample Name: K4329-03      Acquired: 8/14/2019 20:24:50      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: WATER-PIT      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04800 | .1555  | .59656 | 2.1753 | F<.00000 |
| Stddev | .00085 | .0007  | .00428 | .3864  | 1.9536   |
| %RSD   | 1.7792 | .4232  | .71787 | 17.764 | 27.615   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .04719 | .1560 | .59213 | 2.5632 | -9.3284 |
| #2 | .04889 | .1558 | .59687 | 2.1723 | -6.0296 |
| #3 | .04792 | .1548 | .60067 | 1.7904 | -5.8656 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2506.6 | 28148. | 3003.2 | 34.940 | 2405.9 |
| Stddev    | 14.5   | 65.    | 2.4    | 1.147  | 15.7   |
| %RSD      | .57794 | .23017 | .07975 | 3.2826 | .65088 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2503.1 | 28168. | 3004.6 | 35.221 | 2400.7 |
| #2 | 2494.1 | 28201. | 3000.4 | 35.919 | 2393.4 |
| #3 | 2522.5 | 28076. | 3004.5 | 33.678 | 2423.5 |

Sample Name: K4330-01      Acquired: 8/14/2019 20:29:12      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 0630-FIELD-B      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |         |        |
|--------|--------|--------|---------|--------|---------|---------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00288 | .00038 | -.00100 | .00030 | -.00074 | -.02790 | .00011 |
| Stddev | .00107 | .00184 | .00057  | .00525 | .00154  | .01305  | .00079 |
| %RSD   | 37.246 | 489.63 | 57.079  | 1763.8 | 209.51  | 46.787  | 743.61 |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00395 | .00055  | -.00140 | .00112  | -.00009 | -.03504 | -.00045 |
| #2 | .00286 | -.00155 | -.00035 | .00509  | .00038  | -.03582 | -.00024 |
| #3 | .00181 | .00213  | -.00127 | -.00531 | -.00250 | -.01283 | .00101  |

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00006 | -.00008 | -.02163 | -.00047 | -.00003 | -.00214 | .00124 |
| Stddev | .00004 | .00006  | .01211  | .00025  | .00006  | .00060  | .00063 |
| %RSD   | 65.612 | 73.630  | 55.970  | 54.090  | 200.31  | 28.002  | 50.811 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00011 | -.00014 | -.03353 | -.00019 | .00004  | -.00261 | .00186 |
| #2 | .00002 | -.00003 | -.00933 | -.00052 | -.00007 | -.00147 | .00060 |
| #3 | .00006 | -.00006 | -.02203 | -.00069 | -.00006 | -.00235 | .00127 |

|        |         |         |        |         |        |         |        |
|--------|---------|---------|--------|---------|--------|---------|--------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00002 | -.00596 | .00310 | -.00223 | .48672 | -.00091 | .00491 |
| Stddev | .00003  | .03971  | .00037 | .00027  | .01468 | .00063  | .00008 |
| %RSD   | 161.07  | 666.80  | 11.967 | 12.267  | 3.0153 | 69.012  | 1.6175 |

|    |         |         |        |         |        |         |        |
|----|---------|---------|--------|---------|--------|---------|--------|
| #1 | -.00006 | -.04253 | .00352 | -.00234 | .48869 | -.00125 | .00496 |
| #2 | .00000  | .03628  | .00292 | -.00192 | .47116 | -.00019 | .00482 |
| #3 | -.00000 | -.01161 | .00285 | -.00244 | .50031 | -.00130 | .00495 |

|        |        |        |         |         |        |         |        |
|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .09767 | .00030 | -.04016 | -.00133 | .05822 | -.00225 | .00202 |
| Stddev | .06903 | .00025 | .01643  | .00234  | .00637 | .00060  | .00179 |
| %RSD   | 70.674 | 83.607 | 40.917  | 175.81  | 10.933 | 26.537  | 88.958 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .17254 | .00002 | -.02566 | -.00404 | .06289 | -.00291 | .00408 |
| #2 | .08391 | .00038 | -.05801 | .00012  | .06081 | -.00174 | .00111 |
| #3 | .03656 | .00050 | -.03681 | -.00009 | .05097 | -.00211 | .00086 |

Sample Name: K4330-01      Acquired: 8/14/2019 20:29:12      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: 0630-FIELD-B      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00288 | .0029  | .00003 | <.00000 | F<.00000 |
| Stddev | .00103 | .0006  | .00006 | .34333  | 1.3400   |
| %RSD   | 35.728 | 20.87  | 200.72 | 3.1978  | 23.908   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .00394 | .0026 | .00010  | -10.345 | -4.0631 |
| #2 | .00189 | .0036 | .00003  | -10.878 | -6.4900 |
| #3 | .00280 | .0025 | -.00003 | -10.986 | -6.2611 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2952.4 | 32555. | 3333.2 | 39.307 | 3071.2 |
| Stddev    | 7.7    | 91.    | 5.3    | .482   | 9.2    |
| %RSD      | .26216 | .28063 | .15799 | 1.2273 | .29847 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2957.3 | 32636. | 3338.4 | 38.765 | 3073.6 |
| #2 | 2956.4 | 32574. | 3333.5 | 39.465 | 3078.9 |
| #3 | 2943.5 | 32456. | 3327.8 | 39.690 | 3061.0 |

Sample Name: K4330-02      Acquired: 8/14/2019 20:33:41      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 0631-SITE-WA      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00055 | -.00579 | .01069 | .00976 | .00104 | .16601 | .02208 |
| Stddev | .00878  | .00184  | .00380 | .00374 | .00098 | .00223 | .00103 |
| %RSD   | 1609.9  | 31.701  | 35.568 | 38.323 | 94.044 | 1.3411 | 4.6588 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | .00506  | -.00753 | .01508 | .01378 | .00207 | .16688 | .02326 |
| #2 | .00397  | -.00387 | .00864 | .00639 | .00013 | .16348 | .02157 |
| #3 | -.01067 | -.00598 | .00836 | .00911 | .00092 | .16768 | .02140 |

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00006 | .00058 | 643.71 | -.01167 | .00147 | .01779 | .39496 |
| Stddev | .00013  | .00005 | 3.43   | .00011  | .00011 | .00084 | .00517 |
| %RSD   | 200.49  | 7.8481 | .53252 | .95566  | 7.1671 | 4.7434 | 1.3087 |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00004  | .00053 | 646.42 | -.01176 | .00136 | .01843 | .40093 |
| #2 | -.00002 | .00061 | 639.85 | -.01155 | .00148 | .01811 | .39192 |
| #3 | -.00020 | .00060 | 644.85 | -.01171 | .00157 | .01683 | .39203 |

|        |        |          |         |         |         |        |        |
|--------|--------|----------|---------|---------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790   | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .05396 | F 2606.6 | -.01788 | -.00102 | ^ ***** | .00607 | .03055 |
| Stddev | .00059 | 18.5     | .00162  | .00030  | -----   | .00187 | .00051 |
| %RSD   | 1.1008 | .70827   | 9.0641  | 29.291  | -----   | 30.853 | 1.6644 |

|    |        |        |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|
| #1 | .05440 | 2585.3 | -.01956 | -.00093 | 7168.7  | .00729 | .03107 |
| #2 | .05329 | 2617.4 | -.01773 | -.00078 | ^ ----- | .00701 | .03053 |
| #3 | .05419 | 2617.1 | -.01633 | -.00136 | 6624.3  | .00392 | .03006 |

|        |          |        |        |          |        |         |         |
|--------|----------|--------|--------|----------|--------|---------|---------|
| Elem   | K_7664   | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm    | ppm     | ppm     |
| Avg    | F 1052.3 | .01333 | 8.6157 | F 1939.7 | 1.6546 | -.73261 | -.01132 |
| Stddev | 1.8      | .00040 | .1043  | 11.7     | .0294  | .00381  | .00225  |
| %RSD   | .17534   | 3.0315 | 1.2100 | .60111   | 1.7758 | .52057  | 19.847  |

|    |        |        |        |        |        |         |         |
|----|--------|--------|--------|--------|--------|---------|---------|
| #1 | 1051.7 | .01331 | 8.5180 | 1949.6 | 1.6881 | -.73546 | -.01379 |
| #2 | 1054.4 | .01374 | 8.6035 | 1942.5 | 1.6332 | -.73408 | -.01076 |
| #3 | 1050.9 | .01293 | 8.7255 | 1926.8 | 1.6424 | -.72828 | -.00940 |



Sample Name: K4330-02      Acquired: 8/14/2019 20:33:41      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: 0631-SITE-WA      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |          |        |          |
|-----------|--------|--------|----------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077   | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg       | .61613 | .1701  | F 13.621 | 29.760 | F<.00000 |
| Stddev    | .03747 | .0033  | .082     | .062   | .97999   |
| %RSD      | 6.0813 | 1.938  | .60449   | .20708 | 75.249   |
| #1        | .58014 | .1727  | 13.676   | 29.764 | -.19100  |
| #2        | .61333 | .1713  | 13.526   | 29.697 | -1.6733  |
| #3        | .65492 | .1664  | 13.661   | 29.820 | -2.0426  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710   | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S    | Cts/S  | Cts/S    |
| Avg       | 1616.4 | 18646. | 2443.1   | 26.676 | 1344.6   |
| Stddev    | 4.8    | 30.    | 22.1     | 1.179  | 2.4      |
| %RSD      | .29562 | .16066 | .90522   | 4.4191 | .17990   |
| #1        | 1613.0 | 18677. | 2421.8   | 25.640 | 1343.4   |
| #2        | 1614.4 | 18617. | 2465.9   | 26.430 | 1343.0   |
| #3        | 1621.9 | 18645. | 2441.4   | 27.959 | 1347.4   |

Sample Name: K4330-02DUP      Acquired: 8/14/2019 20:38:14      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 0631-SITE-WA      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |        |          |          |
|--------|----------|---------|---------|---------|---------|--------|----------|----------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934   | Be2348   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      | ppm      |
| Avg    | -.00817  | -.00603 | .01056  | .00316  | .00293  | .15912 | .02235   | .00014   |
| Stddev | .00392   | .00459  | .00403  | .00236  | .00835  | .02065 | .00108   | .00012   |
| %RSD   | 47.941   | 76.045  | 38.199  | 74.771  | 285.34  | 12.977 | 4.8165   | 86.176   |
| #1     | -.00371  | -.00208 | .01257  | .00464  | -.00391 | .13631 | .02189   | .00026   |
| #2     | -.01104  | -.00496 | .00592  | .00440  | .01223  | .17652 | .02358   | .00010   |
| #3     | -.00976  | -.01107 | .01319  | .00043  | .00046  | .16454 | .02158   | .00004   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576   | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      | ppm      |
| Avg    | .00069   | 626.66  | -.01066 | .00194  | .01890  | .42017 | .05345   | F 2531.4 |
| Stddev | .00018   | 3.44    | .00105  | .00039  | .00019  | .00711 | .00028   | 12.6     |
| %RSD   | 25.977   | .54829  | 9.8242  | 20.144  | 1.0189  | 1.6923 | .53114   | .49579   |
| #1     | .00089   | 623.05  | -.01186 | .00149  | .01868  | .41291 | .05364   | 2526.2   |
| #2     | .00060   | 627.02  | -.00990 | .00211  | .01905  | .42047 | .05313   | 2545.8   |
| #3     | .00057   | 629.90  | -.01023 | .00222  | .01895  | .42712 | .05359   | 2522.4   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020   | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      | ppm      |
| Avg    | -.01676  | -.00063 | ^ ***** | .00595  | .03359  | 998.69 | .01318   | 8.3950   |
| Stddev | .00125   | .00132  | -----   | .00125  | .00193  | 5.43   | .00040   | .0475    |
| %RSD   | 7.4318   | 211.09  | -----   | 20.992  | 5.7372  | .54352 | 3.0023   | .56576   |
| #1     | -.01805  | -.00028 | ^ ----- | .00505  | .03154  | 1002.6 | .01320   | 8.3691   |
| #2     | -.01666  | .00049  | ^ ----- | .00543  | .03387  | 1001.0 | .01277   | 8.4498   |
| #3     | -.01557  | -.00209 | ^ ----- | .00738  | .03536  | 992.50 | .01356   | 8.3660   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077   | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      | ppm      |
| Avg    | F 1873.9 | 1.6379  | -.70853 | -.00892 | .47900  | .1746  | F 13.206 | 29.405   |
| Stddev | 18.1     | .0086   | .00593  | .00057  | .01114  | .0062  | .039     | .071     |
| %RSD   | .96737   | .52487  | .83696  | 6.3599  | 2.3251  | 3.559  | .29390   | .24005   |
| #1     | 1894.4   | 1.6338  | -.71520 | -.00920 | .46651  | .1698  | 13.163   | 29.384   |
| #2     | 1867.5   | 1.6322  | -.70653 | -.00826 | .48259  | .1724  | 13.214   | 29.484   |
| #3     | 1859.8   | 1.6478  | -.70386 | -.00929 | .48790  | .1817  | 13.239   | 29.348   |

Sample Name: K4330-02DUP      Acquired: 8/14/2019 20:38:14      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 0631-SITE-WA Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.6335 |
| Stddev | 1.8915 |
| %RSD   | 115.79 |

|    |        |
|----|--------|
| #1 | 3.8143 |
| #2 | .64617 |
| #3 | .43997 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1624.7 | 18619. | 2426.3 | 26.566 | 1352.5 |
| Stddev    | 14.9   | 63.    | 16.7   | .971   | 13.1   |
| %RSD      | .91429 | .34061 | .68949 | 3.6532 | .96588 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 1608.0 | 18659. | 2444.1 | 27.660 | 1337.5 |
| #2 | 1629.6 | 18546. | 2423.9 | 25.810 | 1358.4 |
| #3 | 1636.5 | 18651. | 2410.9 | 26.227 | 1361.6 |

Sample Name: K4330-02LX5      Acquired: 8/14/2019 20:42:43      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00161 | -.00123 | .00400 | .00373 | -.00173 | .08097 | .00257 |
| Stddev | .00551 | .00112  | .00114 | .00104 | .00307  | .01331 | .00136 |
| %RSD   | 343.17 | 91.678  | 28.644 | 27.947 | 177.45  | 16.436 | 52.794 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | .00783  | -.00053 | .00371 | .00477 | -.00187 | .06650 | .00268 |
| #2 | -.00266 | -.00252 | .00526 | .00375 | -.00472 | .09269 | .00387 |
| #3 | -.00035 | -.00063 | .00302 | .00268 | .00141  | .08370 | .00116 |

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00001 | .00026 | 135.62 | -.00194 | .00020 | .00589 | .08405 |
| Stddev | .00003  | .00003 | 1.51   | .00015  | .00011 | .00039 | .00143 |
| %RSD   | 293.32  | 12.601 | 1.1114 | 7.6376  | 55.242 | 6.6249 | 1.7032 |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00004 | .00026 | 137.35 | -.00183 | .00016 | .00583 | .08312 |
| #2 | -.00001 | .00022 | 134.60 | -.00188 | .00011 | .00554 | .08333 |
| #3 | .00002  | .00029 | 134.91 | -.00211 | .00032 | .00631 | .08570 |

|        |        |        |         |         |          |        |        |
|--------|--------|--------|---------|---------|----------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895   | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      | ppm    | ppm    |
| Avg    | .01112 | 477.90 | -.00691 | -.00161 | F 2535.1 | .00195 | .00476 |
| Stddev | .00017 | 5.31   | .00122  | .00064  | 19.1     | .00052 | .00009 |
| %RSD   | 1.5320 | 1.1113 | 17.685  | 39.562  | .75172   | 26.732 | 1.9260 |

|    |        |        |         |         |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|
| #1 | .01093 | 472.75 | -.00554 | -.00088 | 2551.4 | .00181 | .00483 |
| #2 | .01123 | 483.36 | -.00734 | -.00206 | 2539.7 | .00254 | .00465 |
| #3 | .01121 | 477.60 | -.00787 | -.00189 | 2514.1 | .00152 | .00478 |

|        |        |        |        |          |        |         |         |
|--------|--------|--------|--------|----------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm     |
| Avg    | 170.25 | .00208 | 1.5520 | F 366.04 | .35440 | -.13826 | -.00017 |
| Stddev | 1.74   | .00034 | .0542  | .82      | .00897 | .00124  | .00192  |
| %RSD   | 1.0207 | 16.343 | 3.4932 | .22297   | 2.5305 | .89690  | 1142.1  |

|    |        |        |        |        |        |         |         |
|----|--------|--------|--------|--------|--------|---------|---------|
| #1 | 168.98 | .00244 | 1.5829 | 366.97 | .35715 | -.13910 | .00136  |
| #2 | 172.23 | .00203 | 1.5837 | 365.45 | .36167 | -.13886 | .00046  |
| #3 | 169.54 | .00177 | 1.4894 | 365.69 | .34438 | -.13684 | -.00232 |

Sample Name: K4330-02LX5      Acquired: 8/14/2019 20:42:43      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .08326 | .0251  | 2.6911 | 13.266 | F<.00000 |
| Stddev | .00118 | .0023  | .0304  | .634   | 2.0062   |
| %RSD   | 1.4225 | 9.298  | 1.1306 | 4.7811 | 23.476   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .08247 | .0269 | 2.7263 | 12.542 | -10.435 |
| #2 | .08269 | .0225 | 2.6736 | 13.529 | -8.7611 |
| #3 | .08462 | .0260 | 2.6735 | 13.726 | -6.4402 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2126.5 | 23894. | 2751.5 | 31.262 | 1872.7 |
| Stddev    | 4.3    | 166.   | 35.7   | .964   | 1.5    |
| %RSD      | .20002 | .69425 | 1.2973 | 3.0838 | .08087 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2123.5 | 24049. | 2710.9 | 30.180 | 1871.4 |
| #2 | 2124.7 | 23719. | 2778.2 | 31.577 | 1872.3 |
| #3 | 2131.4 | 23915. | 2765.3 | 32.030 | 1874.4 |

Sample Name: K4330-02MS      Acquired: 8/14/2019 20:47:17      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 0631-SITE-WA      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .96219 | 1.7949 | .97809 | 2.4440 | .97300 | 2.6472 | .27487 | .25674 |
| Stddev | .00678 | .0083  | .01130 | .0159  | .01061 | .0616  | .00323 | .00038 |
| %RSD   | .70421 | .46000 | 1.1552 | .64877 | 1.0909 | 2.3276 | 1.1748 | .14767 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .96843 | 1.8043 | .98954 | 2.4595 | .98449 | 2.6264 | .27231 | .25632 |
| #2 | .96317 | 1.7890 | .97777 | 2.4448 | .97095 | 2.7165 | .27850 | .25706 |
| #3 | .95498 | 1.7913 | .96695 | 2.4278 | .96356 | 2.5986 | .27381 | .25683 |

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .19997 | 636.78 | .35915 | .20305 | .29003 | 3.2596 | .24147 | F 2508.9 |
| Stddev | .00186 | 7.90   | .00242 | .00163 | .00319 | .0086  | .00136 | 26.0     |
| %RSD   | .92782 | 1.2400 | .67504 | .80270 | 1.1000 | .26219 | .56217 | 1.0348   |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20201 | 632.50 | .36073 | .20493 | .29283 | 3.2507 | .24075 | 2479.9 |
| #2 | .19951 | 631.95 | .36035 | .20195 | .29070 | 3.2677 | .24304 | 2530.0 |
| #3 | .19838 | 645.89 | .35635 | .20228 | .28656 | 3.2603 | .24062 | 2516.8 |

|        |        |        |         |        |        |          |        |        |
|--------|--------|--------|---------|--------|--------|----------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138 | K_7664   | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | .47719 | .09116 | ^ ***** | .30905 | .29958 | F 1021.0 | .38943 | 8.7126 |
| Stddev | .00397 | .00082 | -----   | .00562 | .00157 | 11.9     | .00322 | .0937  |
| %RSD   | .83180 | .90057 | -----   | 1.8188 | .52304 | 1.1662   | .82683 | 1.0750 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .48097 | .09048 | 5833.5  | .31069 | .30138 | 1007.8 | .39209 | 8.6434 |
| #2 | .47756 | .09207 | 5790.1  | .31367 | .29853 | 1030.9 | .39036 | 8.8191 |
| #3 | .47305 | .09093 | ^ ----- | .30279 | .29882 | 1024.4 | .38585 | 8.6752 |

|        |          |        |         |        |        |        |          |        |
|--------|----------|--------|---------|--------|--------|--------|----------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077   | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | F 1887.7 | 2.6485 | -.02847 | .18482 | .59851 | 8.557  | F 13.626 | 29.617 |
| Stddev | 11.7     | .0257  | .00247  | .00352 | .00695 | .079   | .176     | .464   |
| %RSD   | .62044   | .97122 | 8.6620  | 1.9068 | 1.1616 | .9212  | 1.2933   | 1.5654 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 1898.5 | 2.6528 | -.02570 | .18200 | .59149 | 8.642 | 13.520 | 30.028 |
| #2 | 1889.4 | 2.6209 | -.03043 | .18370 | .59863 | 8.543 | 13.529 | 29.707 |
| #3 | 1875.2 | 2.6718 | -.02927 | .18877 | .60540 | 8.486 | 13.830 | 29.114 |

Sample Name: K4330-02MS      Acquired: 8/14/2019 20:47:17      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 0631-SITE-WA Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.2711 |
| Stddev | 3.6368 |
| %RSD   | 68.995 |

|    |        |
|----|--------|
| #1 | 1.0717 |
| #2 | 7.3663 |
| #3 | 7.3753 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1644.6 | 18777. | 2388.5 | 25.463 | 1362.4 |
| Stddev    | 15.9   | 119.   | 17.8   | .882   | 11.1   |
| %RSD      | .96457 | .63596 | .74371 | 3.4636 | .81349 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 1629.8 | 18788. | 2379.7 | 25.614 | 1350.9 |
| #2 | 1642.6 | 18653. | 2408.9 | 24.516 | 1363.5 |
| #3 | 1661.4 | 18891. | 2376.8 | 26.260 | 1373.0 |

Sample Name: K4330-02MSD      Acquired: 8/14/2019 20:51:33      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 0631-SITE-WA      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |         |        |        |          |          |          |
|--------|----------|--------|---------|--------|--------|----------|----------|----------|
| Elem   | As1890   | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961   | Ba4934   | Be2348   |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | .97111   | 1.8026 | .98949  | 2.4489 | .98255 | 2.6279   | .27110   | .25343   |
| Stddev | .01245   | .0183  | .01383  | .0210  | .01023 | .0591    | .00339   | .00323   |
| %RSD   | 1.2824   | 1.0172 | 1.3972  | .85604 | 1.0407 | 2.2473   | 1.2497   | 1.2734   |
| #1     | .96821   | 1.8000 | .98575  | 2.4460 | .97935 | 2.6928   | .27468   | .25664   |
| #2     | .96036   | 1.7856 | .97792  | 2.4295 | .97431 | 2.5774   | .26795   | .25019   |
| #3     | .98475   | 1.8220 | 1.0048  | 2.4711 | .99400 | 2.6135   | .27066   | .25346   |
| Elem   | Cd2265   | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404   | Mn2576   | Mg2790   |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | .20049   | 636.60 | .35173  | .20537 | .28991 | 3.2034   | .23835   | F 2481.2 |
| Stddev | .00199   | 4.12   | .00295  | .00182 | .00226 | .0340    | .00177   | 19.6     |
| %RSD   | .99185   | .64701 | .83977  | .88590 | .77821 | 1.0598   | .74184   | .79171   |
| #1     | .20118   | 632.33 | .35446  | .20610 | .28944 | 3.2399   | .24031   | 2500.0   |
| #2     | .19824   | 636.90 | .34860  | .20330 | .28793 | 3.1727   | .23687   | 2460.8   |
| #3     | .20203   | 640.56 | .35214  | .20671 | .29236 | 3.1976   | .23788   | 2482.8   |
| Elem   | Ni2316   | Ag3280 | Na5895  | V_2924 | Zn2138 | K_7664   | Mo2020   | B_2496   |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | .47877   | .08954 | ^ ***** | .30546 | .30278 | F 1006.4 | .39096   | 8.4887   |
| Stddev | .00469   | .00082 | -----   | .00490 | .00294 | 11.6     | .00466   | .0830    |
| %RSD   | .98041   | .91821 | -----   | 1.6051 | .97246 | 1.1508   | 1.1925   | .97808   |
| #1     | .48054   | .09012 | 5187.1  | .31071 | .30345 | 1019.7   | .39027   | 8.5800   |
| #2     | .47345   | .08860 | ^ ----- | .30100 | .29956 | 998.17   | .38669   | 8.4178   |
| #3     | .48233   | .08989 | 5268.1  | .30467 | .30533 | 1001.4   | .39593   | 8.4684   |
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774   | Sr4077   | U_3670   |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | F 1893.3 | 2.5563 | -.03036 | .18444 | .55359 | 8.596    | F 13.644 | 29.636   |
| Stddev | 14.7     | .0227  | .00398  | .00659 | .00703 | .075     | .047     | .114     |
| %RSD   | .77894   | .88956 | 13.124  | 3.5737 | 1.2697 | .8769    | .34159   | .38623   |
| #1     | 1900.8   | 2.5529 | -.03490 | .18207 | .54647 | 8.619    | 13.592   | 29.686   |
| #2     | 1876.3   | 2.5355 | -.02744 | .17936 | .55380 | 8.512    | 13.658   | 29.505   |
| #3     | 1902.7   | 2.5806 | -.02874 | .19188 | .56052 | 8.658    | 13.682   | 29.718   |



Sample Name: K4330-02MSD      Acquired: 8/14/2019 20:51:33      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 0631-SITE-WA Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 8.3078 |
| Stddev | 4.2315 |
| %RSD   | 50.934 |

|    |        |
|----|--------|
| #1 | 12.693 |
| #2 | 4.2489 |
| #3 | 7.9816 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1651.3 | 19282. | 2423.1 | 25.500 | 1366.8 |
| Stddev    | 12.5   | 161.   | 19.7   | 1.000  | 9.6    |
| %RSD      | .75776 | .83433 | .81344 | 3.9230 | .70016 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 1651.3 | 19119. | 2443.9 | 26.072 | 1362.8 |
| #2 | 1663.9 | 19441. | 2420.6 | 26.084 | 1377.7 |
| #3 | 1638.8 | 19286. | 2404.7 | 24.345 | 1359.8 |

Sample Name: K4330-02A      Acquired: 8/14/2019 20:55:51      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .97059   | 1.8143 | .99098  | 2.4659 | .98505 | 2.7549   | .28039   | .26051   |
| Stddev | .00501   | .0056  | .00242  | .0199  | .00488 | .0591    | .00104   | .00088   |
| %RSD   | .51577   | .31046 | .24434  | .80541 | .49503 | 2.1467   | .37041   | .33731   |
| #1     | .96880   | 1.8177 | .99354  | 2.4752 | .99063 | 2.7380   | .27920   | .25951   |
| #2     | .96673   | 1.8173 | .98873  | 2.4431 | .98157 | 2.7060   | .28086   | .26116   |
| #3     | .97625   | 1.8078 | .99068  | 2.4795 | .98296 | 2.8206   | .28111   | .26086   |
| Elem   | Cd2265   | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404   | Mn2576   | Mg2790   |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | .20174   | 661.40 | .36060  | .20644 | .29355 | 3.2911   | .24493   | F 2557.1 |
| Stddev | .00068   | 4.13   | .00161  | .00037 | .00021 | .0070    | .00095   | 20.5     |
| %RSD   | .33936   | .62429 | .44628  | .17838 | .07251 | .21317   | .38644   | .80097   |
| #1     | .20200   | 656.79 | .35917  | .20636 | .29337 | 3.2891   | .24396   | 2533.6   |
| #2     | .20096   | 662.66 | .36235  | .20612 | .29348 | 3.2853   | .24585   | 2571.3   |
| #3     | .20225   | 664.75 | .36029  | .20684 | .29378 | 3.2989   | .24498   | 2566.4   |
| Elem   | Ni2316   | Ag3280 | Na5895  | V_2924 | Zn2138 | K_7664   | Mo2020   | B_2496   |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | .48168   | .09228 | ^ ***** | .31199 | .30402 | F 1041.0 | .39495   | 8.7553   |
| Stddev | .00069   | .00048 | -----   | .00144 | .00092 | 7.8      | .00126   | .0967    |
| %RSD   | .14297   | .52215 | -----   | .46004 | .30346 | .74919   | .31873   | 1.1040   |
| #1     | .48233   | .09187 | ^ ----- | .31127 | .30469 | 1032.2   | .39631   | 8.6643   |
| #2     | .48096   | .09281 | 5416.1  | .31364 | .30297 | 1043.8   | .39471   | 8.7449   |
| #3     | .48175   | .09218 | 5230.2  | .31105 | .30440 | 1047.0   | .39383   | 8.8568   |
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774   | Sr4077   | U_3670   |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | F 1896.3 | 2.7453 | -.02261 | .19418 | .54713 | 8.624    | F 14.175 | 30.697   |
| Stddev | 4.4      | .0188  | .00212  | .00548 | .00653 | .011     | .118     | .160     |
| %RSD   | .23324   | .68388 | 9.3774  | 2.8212 | 1.1934 | .1258    | .83601   | .51966   |
| #1     | 1901.2   | 2.7276 | -.02350 | .19172 | .54271 | 8.629    | 14.058   | 30.525   |
| #2     | 1892.6   | 2.7433 | -.02414 | .20046 | .54406 | 8.611    | 14.171   | 30.841   |
| #3     | 1895.2   | 2.7650 | -.02019 | .19036 | .55463 | 8.631    | 14.295   | 30.724   |

Sample Name: K4330-02A      Acquired: 8/14/2019 20:55:51      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.7631 |
| Stddev | 2.4457 |
| %RSD   | 42.437 |

|    |        |
|----|--------|
| #1 | 6.6173 |
| #2 | 3.0048 |
| #3 | 7.6671 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1616.1 | 18541. | 2307.3 | 25.569 | 1339.7 |
| Stddev    | 7.5    | 67.    | 7.7    | .443   | 5.2    |
| %RSD      | .46597 | .36001 | .33347 | 1.7339 | .38863 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 1608.9 | 18593. | 2316.1 | 25.955 | 1333.7 |
| #2 | 1615.6 | 18465. | 2304.3 | 25.668 | 1341.9 |
| #3 | 1623.9 | 18564. | 2301.6 | 25.085 | 1343.4 |

Sample Name: K4331-01      Acquired: 8/14/2019 21:00:08      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 0623-FIELD-B      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |         |         |         |
|--------|--------|---------|---------|---------|---------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00506 | -.00121 | -.00062 | -.00330 | -.00271 | -.02778 | -.00110 |
| Stddev | .00263 | .00072  | .00072  | .00095  | .00078  | .00833  | .00045  |
| %RSD   | 52.080 | 59.298  | 116.79  | 28.705  | 28.752  | 30.004  | 40.631  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00794 | -.00163 | .00010  | -.00284 | -.00183 | -.03669 | -.00082 |
| #2 | .00278 | -.00038 | -.00134 | -.00439 | -.00298 | -.02646 | -.00086 |
| #3 | .00446 | -.00163 | -.00062 | -.00267 | -.00332 | -.02018 | -.00161 |

|        |        |         |         |         |        |         |         |
|--------|--------|---------|---------|---------|--------|---------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00013 | -.00011 | -.00266 | -.00047 | .00006 | -.00088 | -.00151 |
| Stddev | .00007 | .00003  | .00209  | .00058  | .00017 | .00079  | .00045  |
| %RSD   | 55.451 | 26.278  | 78.685  | 124.00  | 300.57 | 90.136  | 29.979  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00021 | -.00009 | -.00112 | -.00061 | .00018  | -.00025 | -.00124 |
| #2 | .00007 | -.00015 | -.00505 | .00017  | -.00014 | -.00062 | -.00203 |
| #3 | .00011 | -.00010 | -.00181 | -.00096 | .00013  | -.00177 | -.00125 |

|        |         |        |        |         |        |         |        |
|--------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.00013 | .02526 | .00171 | -.00312 | 16.910 | -.00116 | .00587 |
| Stddev | .00008  | .03812 | .00070 | .00056  | .519   | .00031  | .00006 |
| %RSD   | 60.906  | 150.93 | 41.025 | 18.081  | 3.0705 | 26.577  | 1.0466 |

|    |         |         |        |         |        |         |        |
|----|---------|---------|--------|---------|--------|---------|--------|
| #1 | -.00021 | -.00403 | .00161 | -.00272 | 17.408 | -.00096 | .00580 |
| #2 | -.00005 | .06836  | .00107 | -.00288 | 16.950 | -.00100 | .00591 |
| #3 | -.00014 | .01144  | .00246 | -.00377 | 16.372 | -.00151 | .00591 |

|        |        |         |         |        |        |         |        |
|--------|--------|---------|---------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | 2.1312 | -.00000 | -.02402 | .03037 | .00724 | -.00296 | .00189 |
| Stddev | .0547  | .00034  | .00779  | .00652 | .00502 | .00053  | .00239 |
| %RSD   | 2.5673 | 91650.  | 32.429  | 21.468 | 69.421 | 17.875  | 126.13 |

|    |        |         |         |        |        |         |         |
|----|--------|---------|---------|--------|--------|---------|---------|
| #1 | 2.0944 | -.00025 | -.01523 | .03734 | .00757 | -.00257 | -.00067 |
| #2 | 2.1941 | -.00014 | -.03007 | .02443 | .01209 | -.00274 | .00405  |
| #3 | 2.1051 | .00039  | -.02677 | .02933 | .00205 | -.00356 | .00230  |

Sample Name: K4331-01      Acquired: 8/14/2019 21:00:08      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: 0623-FIELD-B      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00411 | .0006  | .00008 | <.00000 | F<.00000 |
| Stddev | .00060 | .0008  | .00005 | .19406  | .35555   |
| %RSD   | 14.541 | 145.7  | 62.599 | 2.3816  | 9.3591   |

|    |        |        |        |         |         |
|----|--------|--------|--------|---------|---------|
| #1 | .00424 | -.0002 | .00004 | -7.9256 | -3.5447 |
| #2 | .00464 | .0004  | .00014 | -8.2373 | -4.2053 |
| #3 | .00346 | .0015  | .00007 | -8.2817 | -3.6469 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2801.5 | 30916. | 3131.9 | 36.697 | 2893.7 |
| Stddev    | 14.2   | 98.    | 12.0   | 2.570  | 9.2    |
| %RSD      | .50512 | .31540 | .38447 | 7.0023 | .31622 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2817.5 | 31022. | 3120.6 | 38.989 | 2904.0 |
| #2 | 2790.8 | 30894. | 3130.5 | 33.919 | 2886.7 |
| #3 | 2796.3 | 30831. | 3144.6 | 37.184 | 2890.3 |

Sample Name: CCV08      Acquired: 8/14/2019 21:04:37      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | 5.1029 | 5.0028 | 5.0509   | 5.0854 | 5.1118   | 9.7947 | 10.051 | .25777   |
| Stddev | .0076  | .0044  | .0015    | .0110  | .0082    | .0515  | .035   | .00088   |
| %RSD   | .14851 | .08833 | .03016   | .21617 | .16109   | .52632 | .35313 | .34199   |
| #1     | 5.1110 | 5.0061 | 5.0499   | 5.0954 | 5.1213   | 9.7515 | 10.010 | .25675   |
| #2     | 5.0959 | 4.9978 | 5.0501   | 5.0871 | 5.1069   | 9.7809 | 10.073 | .25826   |
| #3     | 5.1017 | 5.0044 | 5.0526   | 5.0737 | 5.1072   | 9.8518 | 10.069 | .25830   |
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5166 | 25.228 | 1.0104   | 2.5051 | 1.2848   | 5.1764 | 2.5371 | 24.873   |
| Stddev | .0027  | .152   | .0020    | .0010  | .0027    | .0088  | .0063  | .234     |
| %RSD   | .10755 | .60079 | .19812   | .04124 | .20609   | .16998 | .24774 | .93902   |
| #1     | 2.5193 | 25.079 | 1.0081   | 2.5056 | 1.2869   | 5.1679 | 2.5307 | 24.624   |
| #2     | 2.5139 | 25.224 | 1.0113   | 2.5040 | 1.2819   | 5.1854 | 2.5432 | 24.907   |
| #3     | 2.5167 | 25.382 | 1.0118   | 2.5059 | 1.2857   | 5.1760 | 2.5373 | 25.087   |
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5083 | 1.2605 | F 34.209 | 2.5157 | 2.5076   | 26.911 | 5.0435 | 4.8270   |
| Stddev | .0046  | .0014  | .867     | .0004  | .0029    | .127   | .0070  | .0631    |
| %RSD   | .18522 | .10959 | 2.5349   | .01646 | .11708   | .47356 | .13874 | 1.3079   |
| #1     | 2.5127 | 1.2590 | 35.195   | 2.5160 | 2.5070   | 26.995 | 5.0515 | 4.7919   |
| #2     | 2.5086 | 1.2617 | 33.869   | 2.5152 | 2.5050   | 26.973 | 5.0386 | 4.7893   |
| #3     | 2.5035 | 1.2609 | 33.563   | 2.5157 | 2.5108   | 26.764 | 5.0403 | 4.8999   |
| Elem   | S_1820 | Si2881 | Sn1899   | Ti3361 | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 4.9476 | 5.2110 | 4.9532   | 4.9847 | F 3.9056 | 4.951  | 5.1194 | F 1.7375 |
| Stddev | .0156  | .0165  | .0080    | .0248  | .0043    | .026   | .0226  | .3853    |
| %RSD   | .31603 | .31731 | .16156   | .49764 | .10977   | .5242  | .44215 | 22.177   |
| #1     | 4.9376 | 5.1934 | 4.9500   | 4.9582 | 3.9101   | 4.972  | 5.1106 | 2.1084   |
| #2     | 4.9395 | 5.2262 | 4.9474   | 4.9886 | 3.9049   | 4.922  | 5.1451 | 1.7648   |
| #3     | 4.9656 | 5.2135 | 4.9624   | 5.0074 | 3.9016   | 4.959  | 5.1025 | 1.3393   |

Sample Name: CCV08      Acquired: 8/14/2019 21:04:37      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.1727  
Stddev      3.4268  
%RSD      108.01

#1      1.9251  
#2      .54445  
#3      7.0485

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2530.3 | 28435. | 2954.3 | 33.455 | 2411.5 |
| Stddev    | 11.0   | 66.    | 15.9   | .970   | 8.0    |
| %RSD      | .43568 | .23305 | .53814 | 2.8995 | .33119 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2517.7 | 28359. | 2939.3 | 32.458 | 2402.3 |
| #2 | 2534.7 | 28481. | 2952.7 | 34.395 | 2416.3 |
| #3 | 2538.4 | 28466. | 2971.0 | 33.513 | 2415.9 |

Sample Name: CCB08      Acquired: 8/14/2019 21:08:35      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |         |         |         |        |
|--------|----------|---------|--------|---------|---------|---------|--------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | F .00675 | -.00159 | .00012 | -.00275 | -.00087 | -.01665 | .00011 |
| Stddev | .00094   | .00172  | .00095 | .00080  | .00213  | .01766  | .00008 |
| %RSD   | 13.937   | 107.95  | 778.70 | 29.203  | 245.53  | 106.07  | 71.088 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00635 | -.00173 | .00084  | -.00343 | -.00173 | -.01873 | .00003 |
| #2 | .00608 | -.00324 | .00048  | -.00297 | -.00243 | .00196  | .00011 |
| #3 | .00783 | .00019  | -.00096 | -.00186 | .00156  | -.03318 | .00019 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00003 | -.00006 | -.04222 | .00005 | .00005 | .00045 | .00147 |
| Stddev | .00009 | .00009  | .01066  | .00031 | .00027 | .00013 | .00068 |
| %RSD   | 248.72 | 155.91  | 25.256  | 634.29 | 510.14 | 29.358 | 46.379 |

|    |         |         |         |         |         |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|
| #1 | .00013  | -.00010 | -.03147 | -.00025 | .00002  | .00031 | .00073 |
| #2 | -.00003 | .00005  | -.04239 | .00004  | -.00020 | .00048 | .00161 |
| #3 | .00001  | -.00012 | -.05279 | .00036  | .00033  | .00057 | .00207 |

|        |         |         |        |         |          |         |         |
|--------|---------|---------|--------|---------|----------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895   | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm      | ppm     | ppm     |
| Avg    | -.00008 | -.01531 | .00103 | -.00247 | F 9.9742 | -.00059 | -.00068 |
| Stddev | .00012  | .02097  | .00047 | .00062  | .0727    | .00054  | .00005  |
| %RSD   | 140.03  | 137.02  | 45.101 | 25.125  | .72939   | 90.503  | 7.7554  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00020 | -.01759 | .00067 | -.00177 | 10.054 | -.00020 | -.00070 |
| #2 | -.00009 | -.03504 | .00156 | -.00294 | 9.9125 | -.00037 | -.00072 |
| #3 | .00004  | .00672  | .00088 | -.00271 | 9.9556 | -.00120 | -.00062 |

|        |          |        |         |          |        |         |         |
|--------|----------|--------|---------|----------|--------|---------|---------|
| Elem   | K_7664   | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm      | ppm    | ppm     | ppm      | ppm    | ppm     | ppm     |
| Avg    | F 1.7281 | .00142 | -.00795 | F .01130 | .01151 | -.00010 | -.00011 |
| Stddev | .0607    | .00086 | .00410  | .00307   | .00137 | .00086  | .00128  |
| %RSD   | 3.5138   | 60.412 | 51.568  | 27.149   | 11.930 | 906.05  | 1190.9  |

|    |        |        |         |        |        |         |         |
|----|--------|--------|---------|--------|--------|---------|---------|
| #1 | 1.6675 | .00240 | -.01237 | .01424 | .01004 | .00036  | -.00158 |
| #2 | 1.7278 | .00104 | -.00721 | .00812 | .01276 | -.00109 | .00068  |
| #3 | 1.7890 | .00081 | -.00427 | .01154 | .01174 | .00045  | .00058  |



Sample Name: CCB08      Acquired: 8/14/2019 21:08:35      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |          |        |         |          |          |
|-----------|----------|--------|---------|----------|----------|
| Elem      | Li6707   | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm      | ppm    | ppm     | ppm      | ppm      |
| Avg       | F .01464 | .0023  | .00005  | F .67864 | F<.00000 |
| Stddev    | .00108   | .0011  | .00023  | .24253   | 2.0576   |
| %RSD      | 7.4016   | 47.42  | 493.91  | 35.738   | 197.32   |
| #1        | .01340   | .0011  | .00028  | .40261   | 1.3197   |
| #2        | .01509   | .0033  | .00002  | .85763   | -2.4425  |
| #3        | .01542   | .0026  | -.00017 | .77568   | -2.0055  |
| Int. Std. | Y_2243   | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S    | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2580.0   | 28649. | 2951.2  | 32.723   | 2615.3   |
| Stddev    | 4.8      | 88.    | 17.9    | .774     | 9.5      |
| %RSD      | .18448   | .30646 | .60822  | 2.3645   | .36258   |
| #1        | 2577.4   | 28680. | 2941.4  | 31.835   | 2610.2   |
| #2        | 2577.1   | 28716. | 2940.3  | 33.250   | 2609.4   |
| #3        | 2585.5   | 28549. | 2971.9  | 33.085   | 2626.2   |

Sample Name: K4331-02      Acquired: 8/14/2019 21:13:04      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 0624-SITE-WA      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |          |          |          |
|--------|----------|---------|---------|---------|---------|----------|----------|----------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961   | Ba4934   | Be2348   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      | ppm      | ppm      |
| Avg    | -.00462  | -.00643 | .01179  | .00842  | .00119  | .06550   | .02322   | .00013   |
| Stddev | .00446   | .00178  | .00368  | .00369  | .00248  | .00507   | .00118   | .00015   |
| %RSD   | 96.578   | 27.639  | 31.203  | 43.783  | 207.44  | 7.7400   | 5.0985   | 116.07   |
| #1     | -.00896  | -.00837 | .00766  | .00864  | -.00148 | .07037   | .02402   | .00004   |
| #2     | -.00486  | -.00489 | .01300  | .00463  | .00341  | .06588   | .02379   | .00005   |
| #3     | -.00004  | -.00602 | .01472  | .01199  | .00165  | .06025   | .02186   | .00031   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404   | Mn2576   | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      | ppm      | ppm      |
| Avg    | .00080   | 685.10  | -.01332 | .00206  | .02011  | .35140   | .04881   | F 2752.9 |
| Stddev | .00005   | 4.50    | .00032  | .00012  | .00084  | .00258   | .00028   | 16.4     |
| %RSD   | 6.8089   | .65654  | 2.3914  | 5.7511  | 4.1861  | .73443   | .56627   | .59451   |
| #1     | .00081   | 680.21  | -.01358 | .00198  | .02105  | .34866   | .04850   | 2738.7   |
| #2     | .00074   | 689.05  | -.01296 | .00219  | .01941  | .35175   | .04902   | 2749.1   |
| #3     | .00084   | 686.05  | -.01341 | .00200  | .01988  | .35378   | .04892   | 2770.8   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664   | Mo2020   | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      | ppm      | ppm      |
| Avg    | -.02042  | -.00061 | ^ ***** | .00555  | .03170  | F 1132.4 | .01544   | 9.1413   |
| Stddev | .00090   | .00091  | -----   | .00111  | .00043  | 6.9      | .00072   | .0472    |
| %RSD   | 4.4123   | 150.67  | -----   | 20.001  | 1.3540  | .60566   | 4.6736   | .51661   |
| #1     | -.02043  | -.00153 | ^ ----- | .00502  | .03122  | 1125.9   | .01478   | 9.1149   |
| #2     | -.01952  | .00030  | ^ ----- | .00683  | .03187  | 1131.6   | .01621   | 9.1133   |
| #3     | -.02132  | -.00058 | ^ ----- | .00480  | .03202  | 1139.6   | .01534   | 9.1959   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774   | Sr4077   | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      | ppm      | ppm      |
| Avg    | F 2074.7 | 1.7667  | -.78371 | -.01272 | .44637  | .1827    | F 14.527 | 29.612   |
| Stddev | 17.4     | .0090   | .00613  | .00348  | .01256  | .0041    | .069     | .090     |
| %RSD   | .83931   | .51168  | .78234  | 27.360  | 2.8146  | 2.266    | .47346   | .30243   |
| #1     | 2056.6   | 1.7583  | -.77734 | -.01290 | .43195  | .1783    | 14.468   | 29.647   |
| #2     | 2076.1   | 1.7762  | -.78421 | -.01611 | .45215  | .1834    | 14.602   | 29.510   |
| #3     | 2091.4   | 1.7655  | -.78958 | -.00916 | .45500  | .1865    | 14.511   | 29.678   |

Sample Name: K4331-02      Acquired: 8/14/2019 21:13:04      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 0624-SITE-WA      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.8544 |
| Stddev | 2.7488 |
| %RSD   | 96.301 |

|    |        |
|----|--------|
| #1 | 5.7586 |
| #2 | .29325 |
| #3 | 2.5113 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1573.5 | 18464. | 2394.6 | 26.506 | 1306.2 |
| Stddev    | 14.7   | 35.    | 9.9    | .384   | 12.3   |
| %RSD      | .93633 | .19180 | .41208 | 1.4475 | .94027 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 1589.3 | 18486. | 2402.2 | 26.565 | 1319.5 |
| #2 | 1571.0 | 18484. | 2383.5 | 26.858 | 1304.0 |
| #3 | 1560.1 | 18423. | 2398.2 | 26.097 | 1295.2 |

Sample Name: K4332-01      Acquired: 8/14/2019 21:17:38      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: 0617-FIELD-B      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |         |         |         |         |         |
|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00224 | -.00145 | -.00050 | -.00247 | -.00098 | -.01098 | -.00085 | -.00010 |
| Stddev | .00282 | .00187  | .00036  | .00106  | .00149  | .03397  | .00067  | .00007  |
| %RSD   | 125.98 | 129.47  | 71.284  | 42.938  | 153.13  | 309.44  | 78.354  | 63.136  |

|    |         |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00493  | -.00297 | -.00024 | -.00125 | .00016  | -.02054 | -.00076 | -.00003 |
| #2 | .00249  | .00064  | -.00035 | -.00295 | -.00042 | .02675  | -.00024 | -.00013 |
| #3 | -.00070 | -.00201 | -.00091 | -.00320 | -.00267 | -.03914 | -.00156 | -.00016 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00001 | .01694 | .00052 | -.00006 | .00012 | .00570 | .00012 | .04694 |
| Stddev | .00005 | .02689 | .00058 | .00011  | .00049 | .00042 | .00000 | .04174 |
| %RSD   | 746.84 | 158.73 | 110.43 | 189.49  | 393.76 | 7.3809 | 3.2388 | 88.931 |

|    |         |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00005 | .04768  | .00047  | .00006  | .00054  | .00573 | .00012 | .00143 |
| #2 | .00005  | -.00219 | .00112  | -.00009 | -.00041 | .00610 | .00013 | .08345 |
| #3 | .00002  | .00532  | -.00002 | -.00015 | .00024  | .00526 | .00012 | .05594 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00211 | -.00237 | 22.617 | -.00113 | .01886 | 3.0794 | .00030 | .01048 |
| Stddev | .00029 | .00029  | 1.332  | .00064  | .00009 | .1714  | .00004 | .00558 |
| %RSD   | 13.551 | 12.222  | 5.8903 | 56.662  | .46138 | 5.5647 | 11.826 | 53.252 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00244 | -.00261 | 23.930 | -.00178 | .01885 | 3.2601 | .00032 | .00586 |
| #2 | .00190 | -.00205 | 22.655 | -.00050 | .01878 | 3.0588 | .00026 | .00890 |
| #3 | .00200 | -.00245 | 21.266 | -.00111 | .01895 | 2.9192 | .00032 | .01668 |

|        |        |        |         |        |        |        |        |         |
|--------|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .01857 | .01493 | -.00098 | .00206 | .01649 | -.0001 | .00014 | <.00000 |
| Stddev | .00363 | .00017 | .00029  | .00029 | .00145 | .0007  | .00017 | .37180  |
| %RSD   | 19.541 | 1.1083 | 28.999  | 13.858 | 8.7723 | 656.5  | 116.80 | 14.792  |

|    |        |        |         |        |        |        |         |         |
|----|--------|--------|---------|--------|--------|--------|---------|---------|
| #1 | .02275 | .01483 | -.00073 | .00214 | .01482 | -.0006 | .00028  | -2.8214 |
| #2 | .01679 | .01512 | -.00092 | .00230 | .01746 | -.0004 | .00019  | -2.6186 |
| #3 | .01618 | .01484 | -.00129 | .00175 | .01718 | .0007  | -.00004 | -2.1004 |

Sample Name: K4332-01      Acquired: 8/14/2019 21:17:38      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: 0617-FIELD-B      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.9559 |
| Stddev | 2.4373 |
| %RSD   | 82.454 |

|    |        |
|----|--------|
| #1 | .16067 |
| #2 | 4.6369 |
| #3 | 4.0702 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2600.2 | 29112. | 3015.9 | 34.577 | 2629.4 |
| Stddev    | 3.2    | 122.   | 9.0    | 1.081  | 2.4    |
| %RSD      | .12322 | .41802 | .29835 | 3.1251 | .09308 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2603.0 | 29016. | 3006.8 | 34.579 | 2626.6 |
| #2 | 2600.9 | 29070. | 3016.1 | 33.495 | 2630.5 |
| #3 | 2596.7 | 29249. | 3024.8 | 35.656 | 2631.1 |

Sample Name: K4332-02      Acquired: 8/14/2019 21:22:08      Type: Unk

Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000

User: Bin      Custom ID1: 0618-SITE-WA      Custom ID2:      Custom ID3:

Comment:

|        |          |          |        |          |        |        |        |        |
|--------|----------|----------|--------|----------|--------|--------|--------|--------|
| Elem   | As1890   | Tl1908   | Pb2203 | Se1960   | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | -0.00098 | -0.00112 | .01059 | -0.00320 | .00412 | 1.4787 | .02628 | .00034 |
| Stddev | .00476   | .00368   | .00116 | .00201   | .00519 | .0340  | .00084 | .00008 |
| %RSD   | 487.72   | 327.32   | 10.942 | 62.819   | 126.01 | 2.2988 | 3.1906 | 23.968 |

|    |          |          |        |          |        |        |        |        |
|----|----------|----------|--------|----------|--------|--------|--------|--------|
| #1 | -0.00580 | .00120   | .00994 | -0.00116 | .00020 | 1.4447 | .02689 | .00034 |
| #2 | .00372   | .00079   | .00990 | -0.00327 | .01001 | 1.4787 | .02663 | .00041 |
| #3 | -0.00085 | -0.00536 | .01193 | -0.00518 | .00215 | 1.5127 | .02532 | .00025 |

|        |        |        |          |        |        |        |        |          |
|--------|--------|--------|----------|--------|--------|--------|--------|----------|
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00078 | 642.29 | -0.00949 | .00211 | .01937 | 2.1012 | .09713 | F 2546.7 |
| Stddev | .00011 | 5.73   | .00056   | .00044 | .00112 | .0051  | .00034 | 8.2      |
| %RSD   | 13.990 | .89198 | 5.9118   | 20.793 | 5.7704 | .24430 | .35055 | .32306   |

|    |        |        |          |        |        |        |        |        |
|----|--------|--------|----------|--------|--------|--------|--------|--------|
| #1 | .00073 | 637.34 | -0.00901 | .00195 | .01923 | 2.1064 | .09752 | 2538.9 |
| #2 | .00090 | 640.96 | -0.00936 | .00178 | .02055 | 2.1010 | .09691 | 2555.3 |
| #3 | .00070 | 648.56 | -0.01010 | .00261 | .01832 | 2.0961 | .09695 | 2546.0 |

|        |          |          |         |        |        |          |        |        |
|--------|----------|----------|---------|--------|--------|----------|--------|--------|
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924 | Zn2138 | K_7664   | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | -0.01771 | -0.00170 | ^ ***** | .00886 | .03461 | F 1045.4 | .01347 | 8.5085 |
| Stddev | .00145   | .00078   | -----   | .00056 | .00016 | 3.9      | .00077 | .0453  |
| %RSD   | 8.1650   | 45.965   | -----   | 6.3561 | .45110 | .37414   | 5.7304 | .53216 |

|    |          |          |         |        |        |        |        |        |
|----|----------|----------|---------|--------|--------|--------|--------|--------|
| #1 | -0.01938 | -0.00259 | ^ ----- | .00951 | .03443 | 1047.5 | .01425 | 8.5173 |
| #2 | -0.01701 | -0.00135 | ^ ----- | .00859 | .03470 | 1047.7 | .01344 | 8.5487 |
| #3 | -0.01676 | -0.00115 | 5373.8  | .00849 | .03469 | 1040.8 | .01271 | 8.4594 |

|        |          |        |          |        |        |        |          |        |
|--------|----------|--------|----------|--------|--------|--------|----------|--------|
| Elem   | S_1820   | Si2881 | Sn1899   | Ti3361 | Li6707 | P_1774 | Sr4077   | U_3670 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm      | ppm    |
| Avg    | F 1906.9 | 3.6678 | -0.72112 | .04897 | .38553 | .3009  | F 13.609 | 28.455 |
| Stddev | 13.3     | .0569  | .00575   | .00075 | .00952 | .0049  | .114     | .492   |
| %RSD   | .69741   | 1.5510 | .79788   | 1.5381 | 2.4699 | 1.628  | .83405   | 1.7306 |

|    |        |        |          |        |        |       |        |        |
|----|--------|--------|----------|--------|--------|-------|--------|--------|
| #1 | 1910.2 | 3.6444 | -0.72474 | .04898 | .37605 | .2953 | 13.522 | 28.891 |
| #2 | 1918.2 | 3.6263 | -0.72413 | .04821 | .38546 | .3045 | 13.567 | 27.921 |
| #3 | 1892.2 | 3.7327 | -0.71448 | .04972 | .39509 | .3029 | 13.737 | 28.552 |

Sample Name: K4332-02      Acquired: 8/14/2019 21:22:08      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: 0618-SITE-WA      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .35441 |
| Stddev | 2.9767 |
| %RSD   | 839.89 |

|    |         |
|----|---------|
| #1 | 3.6745  |
| #2 | -2.0760 |
| #3 | -.53528 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1642.7 | 19006. | 2428.1 | 26.064 | 1362.2 |
| Stddev    | 7.4    | 87.    | 17.0   | .222   | 8.9    |
| %RSD      | .45181 | .45983 | .69918 | .85350 | .65008 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 1638.0 | 18913. | 2425.9 | 25.808 | 1356.3 |
| #2 | 1638.8 | 19021. | 2446.1 | 26.175 | 1358.0 |
| #3 | 1651.2 | 19085. | 2412.3 | 26.210 | 1372.4 |

Sample Name: K4333-01      Acquired: 8/14/2019 21:26:37      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: FRAC-TANK      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00956 | -.00452 | .01072 | .00082 | -.00123 | 9.4342 | .06479 |
| Stddev | .00144 | .00145  | .00076 | .00324 | .00195  | .0697  | .00061 |
| %RSD   | 15.040 | 31.984  | 7.0956 | 392.67 | 158.06  | .73847 | .93540 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00829 | -.00383 | .01109 | -.00289 | -.00172 | 9.4492 | .06479 |
| #2 | .01112 | -.00619 | .00985 | .00305  | -.00289 | 9.4952 | .06539 |
| #3 | .00927 | -.00355 | .01123 | .00231  | .00091  | 9.3583 | .06418 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00010 | .00037 | 33.144 | .01495 | .00126 | .08067 | 2.0367 |
| Stddev | .00006 | .00012 | .126   | .00031 | .00031 | .00057 | .0097  |
| %RSD   | 58.271 | 31.247 | .38114 | 2.0530 | 24.479 | .70976 | .47686 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00005 | .00044 | 33.007 | .01460 | .00124 | .08040 | 2.0280 |
| #2 | .00017 | .00024 | 33.168 | .01507 | .00097 | .08029 | 2.0472 |
| #3 | .00008 | .00044 | 33.256 | .01519 | .00158 | .08133 | 2.0350 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03784 | 1.7174 | .00794 | -.00285 | 560.48 | .03523 | .03832 |
| Stddev | .00009 | .0174  | .00008 | .00035  | 6.10   | .00032 | .00012 |
| %RSD   | .22632 | 1.0116 | 1.0065 | 12.180  | 1.0880 | .90902 | .30275 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .03791 | 1.7106 | .00802 | -.00275 | 562.90 | .03521 | .03824 |
| #2 | .03774 | 1.7372 | .00791 | -.00256 | 565.00 | .03491 | .03846 |
| #3 | .03787 | 1.7044 | .00787 | -.00323 | 553.54 | .03555 | .03827 |

|        |        |        |        |          |          |         |        |
|--------|--------|--------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 227.86 | .01913 | .04415 | F 11.562 | F 20.021 | -.00198 | .08481 |
| Stddev | .66    | .00037 | .00555 | .041     | .137     | .00065  | .00204 |
| %RSD   | .28791 | 1.9244 | 12.573 | .35855   | .68514   | 33.014  | 2.4098 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 228.47 | .01874 | .04303 | 11.570 | 19.885 | -.00225 | .08519 |
| #2 | 227.94 | .01918 | .05018 | 11.517 | 20.018 | -.00246 | .08664 |
| #3 | 227.16 | .01947 | .03924 | 11.598 | 20.160 | -.00124 | .08261 |



Sample Name: K4333-01      Acquired: 8/14/2019 21:26:37      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: FRAC-TANK      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02394 | .1116  | 2.4790 | 2.4873 | F<.00000 |
| Stddev | .00052 | .0024  | .0210  | .2958  | 1.4309   |
| %RSD   | 2.1525 | 2.191  | .84543 | 11.891 | 43.765   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02409 | .1118 | 2.4626 | 2.3768 | -1.7253 |
| #2 | .02337 | .1091 | 2.4719 | 2.2626 | -4.5506 |
| #3 | .02437 | .1139 | 2.5026 | 2.8224 | -3.5327 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2527.9 | 28533. | 3110.6 | 34.669 | 2340.2 |
| Stddev    | 5.4    | 172.   | 20.0   | 1.156  | 4.8    |
| %RSD      | .21265 | .60205 | .64281 | 3.3348 | .20704 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2523.2 | 28341. | 3117.0 | 35.871 | 2335.5 |
| #2 | 2533.8 | 28589. | 3126.7 | 33.564 | 2345.2 |
| #3 | 2526.8 | 28671. | 3088.2 | 34.572 | 2340.1 |

Sample Name: K4088-07      Acquired: 8/14/2019 21:31:09      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00579 | -.00230 | .01444 | -.00027 | .00159 | .40369 | .15049 |
| Stddev | .00219 | .00180  | .00164 | .00117  | .00439 | .01255 | .00047 |
| %RSD   | 37.761 | 78.438  | 11.367 | 427.59  | 276.54 | 3.1086 | .31180 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00416 | -.00173 | .01328 | -.00144 | .00467  | .41637 | .15082 |
| #2 | .00495 | -.00085 | .01372 | -.00027 | -.00343 | .39128 | .15070 |
| #3 | .00828 | -.00432 | .01632 | .00090  | .00352  | .40342 | .14995 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00011 | .00052 | 18.728 | .00002 | .00122 | .00601 | .43472 |
| Stddev | .00003 | .00010 | .120   | .00023 | .00024 | .00040 | .00515 |
| %RSD   | 26.757 | 19.512 | .64059 | 1093.6 | 19.879 | 6.6588 | 1.1840 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00010 | .00052 | 18.596 | .00025  | .00144 | .00555 | .42942 |
| #2 | .00014 | .00063 | 18.758 | -.00022 | .00125 | .00623 | .43969 |
| #3 | .00009 | .00042 | 18.831 | .00004  | .00096 | .00625 | .43506 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .34701 | 1.3960 | .00266 | -.00279 | 210.32 | -.00083 | .08206 |
| Stddev | .00018 | .0709  | .00031 | .00017  | 2.38   | .00011  | .00005 |
| %RSD   | .05307 | 5.0776 | 11.771 | 6.1692  | 1.1328 | 13.320  | .05752 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .34691 | 1.4153 | .00247 | -.00274 | 211.94 | -.00071 | .08211 |
| #2 | .34722 | 1.4552 | .00249 | -.00298 | 211.43 | -.00093 | .08207 |
| #3 | .34689 | 1.3174 | .00302 | -.00264 | 207.58 | -.00084 | .08201 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 2.4968 | .00010 | .02126 | .59180 | 1.0479 | -.00088 | .01428 |
| Stddev | .0276  | .00044 | .01899 | .00548 | .0117  | .00106  | .00113 |
| %RSD   | 1.1055 | 453.38 | 89.299 | .92627 | 1.1202 | 120.54  | 7.9369 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 2.5223 | -.00036 | .00039 | .59793 | 1.0380 | .00026  | .01422 |
| #2 | 2.5006 | .00013  | .02589 | .58737 | 1.0449 | -.00185 | .01318 |
| #3 | 2.4675 | .00051  | .03751 | .59011 | 1.0609 | -.00105 | .01544 |

Sample Name: K4088-07      Acquired: 8/14/2019 21:31:09      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00978 | .0270  | .08476 | <.00000 | F<.00000 |
| Stddev    | .00175 | .0018  | .00014 | .48485  | 1.2835   |
| %RSD      | 17.908 | 6.783  | .16268 | 24.008  | 40.739   |
| #1        | .00858 | .0270  | .08477 | -1.5426 | -1.9870  |
| #2        | .01179 | .0251  | .08462 | -2.5119 | -4.5273  |
| #3        | .00897 | .0288  | .08489 | -2.0041 | -2.9376  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2664.9 | 29941. | 3158.6 | 36.331  | 2571.9   |
| Stddev    | 9.6    | 105.   | 5.6    | .661    | 8.1      |
| %RSD      | .35951 | .35140 | .17837 | 1.8198  | .31374   |
| #1        | 2653.9 | 29901. | 3157.6 | 36.243  | 2562.6   |
| #2        | 2669.1 | 29861. | 3164.6 | 37.031  | 2576.3   |
| #3        | 2671.7 | 30060. | 3153.5 | 35.718  | 2576.8   |

Sample Name: K4088-07DUP      Acquired: 8/14/2019 21:35:32      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00072 | -.00164 | .01431 | -.00218 | -.00093 | .42116 | .15238 |
| Stddev | .00191 | .00144  | .00080 | .00217  | .00157  | .02664 | .00148 |
| %RSD   | 265.77 | 87.941  | 5.5774 | 99.236  | 168.50  | 6.3248 | .96814 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00059 | -.00260 | .01414 | -.00122 | -.00077 | .40736 | .15068 |
| #2 | -.00017 | .00002  | .01362 | -.00067 | .00055  | .40426 | .15332 |
| #3 | .00290  | -.00232 | .01519 | -.00466 | -.00258 | .45187 | .15313 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00013 | .00056 | 19.028 | .00047 | .00147 | .00520 | .43318 |
| Stddev | .00007 | .00012 | .146   | .00016 | .00025 | .00065 | .00245 |
| %RSD   | 54.963 | 22.215 | .76653 | 33.684 | 16.945 | 12.466 | .56460 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00019 | .00058 | 18.866 | .00053 | .00174 | .00497 | .43432 |
| #2 | .00005 | .00067 | 19.069 | .00059 | .00141 | .00469 | .43485 |
| #3 | .00013 | .00043 | 19.149 | .00029 | .00125 | .00593 | .43038 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .35013 | 1.4255 | .00307 | -.00296 | 218.45 | -.00080 | .08254 |
| Stddev | .00053 | .0251  | .00066 | .00034  | 2.19   | .00028  | .00035 |
| %RSD   | .15150 | 1.7632 | 21.518 | 11.629  | 1.0030 | 35.250  | .42020 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .35065 | 1.4411 | .00302 | -.00257 | 220.44 | -.00048 | .08288 |
| #2 | .34959 | 1.3965 | .00375 | -.00318 | 218.83 | -.00101 | .08218 |
| #3 | .35015 | 1.4388 | .00244 | -.00315 | 216.10 | -.00092 | .08257 |

|        |        |        |         |        |        |         |        |
|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | 2.0425 | .00008 | -.00024 | .58643 | 1.0574 | -.00102 | .01288 |
| Stddev | .0494  | .00027 | .00577  | .00303 | .0122  | .00074  | .00374 |
| %RSD   | 2.4180 | 327.55 | 2367.2  | .51676 | 1.1515 | 72.849  | 29.040 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | 2.0305 | .00039  | .00466  | .58295 | 1.0705 | -.00153 | .01623 |
| #2 | 2.0002 | -.00004 | .00122  | .58787 | 1.0465 | -.00017 | .00885 |
| #3 | 2.0968 | -.00010 | -.00661 | .58847 | 1.0552 | -.00136 | .01356 |

Sample Name: K4088-07DUP      Acquired: 8/14/2019 21:35:32      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00887 | .0255  | .08611 | <.00000 | F<.00000 |
| Stddev    | .00106 | .0004  | .00046 | .30022  | 1.0001   |
| %RSD      | 11.912 | 1.749  | .53071 | 11.508  | 25.656   |
| #1        | .00922 | .0256  | .08563 | -2.5399 | -2.8326  |
| #2        | .00971 | .0249  | .08614 | -2.9373 | -4.0452  |
| #3        | .00768 | .0258  | .08655 | -2.3488 | -4.8165  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2656.6 | 29793. | 3127.5 | 35.770  | 2568.6   |
| Stddev    | 4.9    | 18.    | 5.7    | .453    | 7.8      |
| %RSD      | .18598 | .06096 | .18129 | 1.2675  | .30384   |
| #1        | 2651.5 | 29812. | 3124.3 | 35.250  | 2566.5   |
| #2        | 2657.2 | 29776. | 3134.1 | 35.986  | 2577.2   |
| #3        | 2661.3 | 29791. | 3124.2 | 36.076  | 2562.1   |

Sample Name: K4088-07LX5      Acquired: 8/14/2019 21:39:56      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00498 | -.00076 | .00343 | -.00461 | -.00267 | .07746 | .02954 |
| Stddev | .00177 | .00150  | .00069 | .00221  | .00164  | .00804 | .00034 |
| %RSD   | 35.434 | 197.69  | 20.171 | 48.048  | 61.585  | 10.383 | 1.1617 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00538 | -.00167 | .00302 | -.00331 | -.00438 | .06895 | .02931 |
| #2 | .00305 | -.00158 | .00304 | -.00335 | -.00111 | .07849 | .02937 |
| #3 | .00651 | .00097  | .00423 | -.00716 | -.00251 | .08493 | .02993 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00014 | .00002 | 3.7200 | -.00001 | .00014 | .00138 | .09203 |
| Stddev | .00000 | .00007 | .3015  | .00025  | .00011 | .00033 | .00039 |
| %RSD   | 3.3145 | 491.54 | 8.1058 | 2002.2  | 78.207 | 23.697 | .41926 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00014 | -.00003 | 3.8864 | -.00031 | .00001 | .00176 | .09248 |
| #2 | .00013 | .00010  | 3.3719 | .00012  | .00021 | .00116 | .09183 |
| #3 | .00014 | -.00003 | 3.9017 | .00015  | .00019 | .00123 | .09180 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .07331 | .28334 | .00139 | -.00349 | 50.246 | -.00048 | .01594 |
| Stddev | .00029 | .05576 | .00018 | .00083  | .414   | .00010  | .00017 |
| %RSD   | .39587 | 19.680 | 12.841 | 23.730  | .82443 | 21.485  | 1.0627 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .07309 | .27899 | .00155 | -.00387 | 50.614 | -.00051 | .01613 |
| #2 | .07364 | .22988 | .00120 | -.00405 | 49.797 | -.00037 | .01584 |
| #3 | .07321 | .34115 | .00143 | -.00254 | 50.328 | -.00057 | .01584 |

|        |        |        |         |        |        |         |        |
|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.3099 | .00015 | -.02304 | .11833 | .21803 | -.00073 | .00348 |
| Stddev | .0517  | .00028 | .01793  | .00564 | .02390 | .00056  | .00213 |
| %RSD   | 3.9471 | 189.24 | 77.830  | 4.7654 | 10.964 | 77.172  | 61.326 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | 1.2768 | -.00011 | -.01341 | .12303 | .23152 | -.00084 | .00410 |
| #2 | 1.2835 | .00046  | -.04373 | .11207 | .19043 | -.00012 | .00522 |
| #3 | 1.3695 | .00010  | -.01198 | .11988 | .23215 | -.00123 | .00110 |

Sample Name: K4088-07LX5      Acquired: 8/14/2019 21:39:56      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00771 | .0088  | .01697 | <.00000 | F<.00000 |
| Stddev | .00128 | .0004  | .00148 | .18770  | 1.7820   |
| %RSD   | 16.667 | 4.057  | 8.7073 | 6.1653  | 63.491   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .00919 | .0091 | .01789 | -3.2339 | -4.8620 |
| #2 | .00701 | .0084 | .01527 | -2.8586 | -1.8677 |
| #3 | .00693 | .0089 | .01775 | -3.0407 | -1.6907 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2681.0 | 29825. | 3201.6 | 36.678 | 2681.6 |
| Stddev    | 15.4   | 92.    | 236.4  | 4.145  | 12.7   |
| %RSD      | .57603 | .30805 | 7.3838 | 11.302 | .47233 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2683.3 | 29730. | 3041.7 | 34.308 | 2683.0 |
| #2 | 2664.6 | 29831. | 3473.2 | 41.464 | 2668.2 |
| #3 | 2695.2 | 29913. | 3090.0 | 34.260 | 2693.4 |

Sample Name: K4088-07MS      Acquired: 8/14/2019 21:44:24      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .78834 | 1.8613 | .97960 | 1.9275 | .79584 | 2.3804 | .34619 | .19531 | .19398 |
| Stddev | .00502 | .0059  | .00268 | .0058  | .00449 | .0187  | .00412 | .00029 | .00042 |
| %RSD   | .63690 | .31520 | .27367 | .29880 | .56357 | .78738 | 1.1895 | .14638 | .21660 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .79043 | 1.8646 | .97749 | 1.9329 | .79273 | 2.3632 | .34275 | .19514 | .19419 |
| #2 | .78261 | 1.8545 | .97869 | 1.9214 | .80098 | 2.3775 | .34507 | .19514 | .19426 |
| #3 | .79198 | 1.8647 | .98262 | 1.9281 | .79380 | 2.4004 | .35075 | .19564 | .19350 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 18.985 | .39695 | .19777 | .30995 | 3.4347 | .52248 | 3.2828 | .48733 | .06685 |
| Stddev | .064   | .00071 | .00041 | .00056 | .0026  | .00040 | .1132  | .00049 | .00102 |
| %RSD   | .33829 | .17829 | .20604 | .17993 | .07675 | .07720 | 3.4473 | .10009 | 1.5237 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.950 | .39720 | .19762 | .30932 | 3.4377 | .52213 | 3.2719 | .48761 | .06573 |
| #2 | 19.060 | .39750 | .19823 | .31017 | 3.4327 | .52237 | 3.1755 | .48761 | .06772 |
| #3 | 18.946 | .39615 | .19745 | .31036 | 3.4336 | .52292 | 3.4011 | .48677 | .06710 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 208.20 | .30427 | .27488 | 11.401 | .39627 | .26377 | .53143 | 2.0416 | .67605 |
| Stddev | 2.51   | .00139 | .00008 | .047   | .00039 | .02060 | .00406 | .0391  | .00171 |
| %RSD   | 1.2054 | .45742 | .02801 | .40850 | .09922 | 7.8094 | .76481 | 1.9158 | .25287 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 205.76 | .30312 | .27497 | 11.377 | .39587 | .28741 | .53072 | 2.0800 | .67569 |
| #2 | 210.77 | .30388 | .27484 | 11.371 | .39629 | .25422 | .53581 | 2.0431 | .67791 |
| #3 | 208.07 | .30581 | .27484 | 11.455 | .39665 | .24969 | .52777 | 2.0018 | .67454 |

|        |        |        |        |        |        |        |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |  |  |  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |  |  |  |
| Avg    | .20932 | .11525 | 5.810  | .28468 | .64437 | 3.3192 |  |  |  |
| Stddev | .00142 | .00013 | .010   | .00119 | .72743 | .5099  |  |  |  |
| %RSD   | .67853 | .11007 | .1793  | .41714 | 112.89 | 15.362 |  |  |  |

|    |        |        |       |        |        |        |  |  |  |
|----|--------|--------|-------|--------|--------|--------|--|--|--|
| #1 | .20852 | .11510 | 5.821 | .28355 | .09992 | 3.1968 |  |  |  |
| #2 | .20847 | .11534 | 5.809 | .28591 | .36267 | 3.8791 |  |  |  |
| #3 | .21096 | .11530 | 5.801 | .28457 | 1.4705 | 2.8816 |  |  |  |



Sample Name: K4088-07MS      Acquired: 8/14/2019 21:44:24      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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       | 2587.3 | 29289. | 3057.4 | 34.650 | 2497.8 |
| Stddev    | 2.4    | 31.    | 25.9   | .846   | 1.5    |
| %RSD      | .09351 | .10496 | .84835 | 2.4428 | .06021 |
| #1        | 2590.1 | 29323. | 3035.9 | 33.677 | 2498.6 |
| #2        | 2586.0 | 29279. | 3050.1 | 35.057 | 2496.0 |
| #3        | 2585.8 | 29263. | 3086.2 | 35.217 | 2498.7 |

Sample Name: K4088-07MSD      Acquired: 8/14/2019 21:48:32      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .79163 | 1.8610 | .98341 | 1.9440 | .80312 | 2.4935 | .36823 | .19683 |
| Stddev | .00222 | .0040  | .00364 | .0056  | .00239 | .0251  | .00361 | .00027 |
| %RSD   | .28044 | .21620 | .36999 | .28545 | .29725 | 1.0077 | .98086 | .13612 |
| #1     | .79414 | 1.8612 | .97921 | 1.9438 | .80579 | 2.4648 | .36407 | .19680 |
| #2     | .78993 | 1.8649 | .98567 | 1.9497 | .80237 | 2.5045 | .37055 | .19710 |
| #3     | .79082 | 1.8569 | .98535 | 1.9386 | .80119 | 2.5113 | .37007 | .19657 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19493 | 21.823 | .39732 | .19819 | .31100 | 3.5204 | .57452 | 3.4723 |
| Stddev | .00013 | .087   | .00316 | .00038 | .00082 | .0093  | .00097 | .0030  |
| %RSD   | .06543 | .39672 | .79460 | .19054 | .26254 | .26472 | .16848 | .08611 |
| #1     | .19492 | 21.767 | .39771 | .19807 | .31032 | 3.5297 | .57564 | 3.4742 |
| #2     | .19480 | 21.779 | .40026 | .19861 | .31077 | 3.5110 | .57398 | 3.4689 |
| #3     | .19506 | 21.923 | .39398 | .19788 | .31190 | 3.5206 | .57394 | 3.4739 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .48767 | .06668 | 244.68 | .30428 | .29102 | 11.462 | .39678 | .28345 |
| Stddev | .00066 | .00061 | 1.44   | .00058 | .00042 | .050   | .00059 | .02142 |
| %RSD   | .13480 | .91555 | .59007 | .18998 | .14382 | .43299 | .14825 | 7.5579 |
| #1     | .48750 | .06622 | 243.10 | .30394 | .29054 | 11.438 | .39650 | .26544 |
| #2     | .48839 | .06737 | 245.01 | .30495 | .29131 | 11.519 | .39639 | .30714 |
| #3     | .48711 | .06645 | 245.94 | .30396 | .29121 | 11.430 | .39746 | .27777 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .62549 | 2.3683 | .68276 | .21833 | .11601 | 5.877  | .29763 | 1.1540 |
| Stddev | .00357 | .0095  | .00194 | .00358 | .00086 | .011   | .00122 | .7523  |
| %RSD   | .57124 | .40127 | .28433 | 1.6398 | .74364 | .1825  | .40933 | 65.192 |
| #1     | .62188 | 2.3731 | .68056 | .21894 | .11603 | 5.870  | .29675 | 1.6904 |
| #2     | .62902 | 2.3574 | .68346 | .21448 | .11514 | 5.889  | .29711 | .29402 |
| #3     | .62557 | 2.3744 | .68425 | .22156 | .11687 | 5.871  | .29902 | 1.4776 |

Sample Name: K4088-07MSD      Acquired: 8/14/2019 21:48:32      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      3.2095  
 %RSD      452.45

#1      -2.9728  
 #2      -2.1190  
 #3      2.9637

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2594.0 | 29319. | 3047.9 | 34.680 | 2489.6 |
| Stddev    | 7.4    | 111.   | 28.2   | .944   | 6.8    |
| %RSD      | .28574 | .37796 | .92447 | 2.7225 | .27119 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2590.8 | 29197. | 3016.9 | 33.627 | 2488.3 |
| #2 | 2588.7 | 29349. | 3072.0 | 34.960 | 2483.5 |
| #3 | 2602.5 | 29412. | 3054.9 | 35.452 | 2496.9 |

Sample Name: K4088-07A      Acquired: 8/14/2019 21:52:40      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .79162 | 1.8624 | .98330 | 1.9326 | .80341 | 2.3959 | .35330 | .19676  |
| Stddev | .00537 | .0009  | .00130 | .0095  | .00025 | .0085  | .00309 | .00022  |
| %RSD   | .67848 | .05070 | .13222 | .49166 | .03173 | .35397 | .87356 | .10979  |
| #1     | .79750 | 1.8621 | .98245 | 1.9272 | .80347 | 2.3879 | .35385 | .19701  |
| #2     | .79037 | 1.8617 | .98266 | 1.9435 | .80363 | 2.4048 | .35608 | .19663  |
| #3     | .78698 | 1.8635 | .98480 | 1.9270 | .80313 | 2.3950 | .34998 | .19664  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .19527 | 19.625 | .39908 | .19785 | .31223 | 3.4691 | .53571 | 3.3030  |
| Stddev | .00034 | .099   | .00057 | .00019 | .00046 | .0060  | .00070 | .1739   |
| %RSD   | .17590 | .50643 | .14296 | .09502 | .14616 | .17230 | .13142 | 5.2640  |
| #1     | .19528 | 19.535 | .39845 | .19798 | .31273 | 3.4624 | .53644 | 3.2502  |
| #2     | .19561 | 19.608 | .39957 | .19793 | .31184 | 3.4738 | .53504 | 3.4971  |
| #3     | .19492 | 19.731 | .39920 | .19763 | .31211 | 3.4712 | .53566 | 3.1616  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .48974 | .06704 | 223.94 | .30521 | .27810 | 11.360 | .39787 | .26663  |
| Stddev | .00060 | .00070 | 2.08   | .00187 | .00053 | .055   | .00128 | .01556  |
| %RSD   | .12297 | 1.0505 | .92811 | .61375 | .19093 | .48320 | .32189 | 5.8355  |
| #1     | .48907 | .06777 | 221.60 | .30528 | .27869 | 11.396 | .39649 | .26842  |
| #2     | .48994 | .06637 | 225.56 | .30331 | .27798 | 11.387 | .39811 | .28122  |
| #3     | .49022 | .06699 | 224.66 | .30705 | .27765 | 11.296 | .39902 | .25025  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .55036 | 2.0332 | .68116 | .21050 | .11479 | 5.850  | .28881 | <.00000 |
| Stddev | .00329 | .0261  | .00228 | .00372 | .00068 | .018   | .00136 | .40622  |
| %RSD   | .59853 | 1.2857 | .33522 | 1.7674 | .59505 | .3119  | .47100 | 21.706  |
| #1     | .55414 | 2.0281 | .68043 | .20997 | .11427 | 5.837  | .28865 | -1.8007 |
| #2     | .54882 | 2.0099 | .68372 | .20707 | .11453 | 5.871  | .28754 | -2.3084 |
| #3     | .54811 | 2.0615 | .67934 | .21445 | .11556 | 5.843  | .29024 | -1.5052 |

Sample Name: K4088-07A      Acquired: 8/14/2019 21:52:40      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      1.6689  
Stddev      1.2709  
%RSD      76.153

#1      .25533  
#2      2.7172  
#3      2.0342

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2604.3 | 29274. | 3059.0 | 35.453 | 2508.8 |
| Stddev    | 2.5    | 47.    | 21.0   | 1.141  | 1.8    |
| %RSD      | .09488 | .16181 | .68539 | 3.2190 | .07323 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2604.8 | 29283. | 3067.4 | 36.433 | 2508.8 |
| #2 | 2606.5 | 29223. | 3074.5 | 35.724 | 2510.7 |
| #3 | 2601.7 | 29316. | 3035.2 | 34.200 | 2507.0 |

Sample Name: CCV09      Acquired: 8/14/2019 21:56:49      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0003 | 4.8844 | 4.9541 | 4.9560 | 4.9927 | 9.5983 | 9.8675 |
| Stddev | .0047  | .0082  | .0047  | .0109  | .0136  | .0685  | .0836  |
| %RSD   | .09364 | .16815 | .09435 | .21904 | .27276 | .71383 | .84719 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.9976 | 4.8843 | 4.9594 | 4.9591 | 5.0008 | 9.5404 | 9.7754 |
| #2 | 5.0057 | 4.8926 | 4.9522 | 4.9650 | 5.0004 | 9.5805 | 9.8884 |
| #3 | 4.9975 | 4.8762 | 4.9506 | 4.9439 | 4.9770 | 9.6739 | 9.9386 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25228 | 2.4658 | 24.556 | .98772 | 2.4537 | 1.2608 | 5.0548 |
| Stddev | .00040 | .0008  | .201   | .00189 | .0018  | .0032  | .0069  |
| %RSD   | .15771 | .03040 | .82039 | .19133 | .07282 | .25060 | .13596 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25221 | 2.4659 | 24.323 | .98592 | 2.4556 | 1.2600 | 5.0510 |
| #2 | .25193 | 2.4665 | 24.672 | .98968 | 2.4532 | 1.2643 | 5.0627 |
| #3 | .25271 | 2.4650 | 24.672 | .98755 | 2.4522 | 1.2582 | 5.0506 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4886 | 24.463 | 2.4539 | 1.2345 | 26.170 | 2.4535 | 2.4449 |
| Stddev | .0011  | .067   | .0005  | .0021  | .109   | .0042  | .0022  |
| %RSD   | .04593 | .27590 | .01883 | .17237 | .41609 | .17265 | .09133 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4876 | 24.429 | 2.4537 | 1.2368 | 26.110 | 2.4525 | 2.4450 |
| #2 | 2.4899 | 24.540 | 2.4544 | 1.2326 | 26.104 | 2.4581 | 2.4471 |
| #3 | 2.4884 | 24.418 | 2.4535 | 1.2342 | 26.296 | 2.4498 | 2.4426 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 24.717 | 4.9516 | 4.7126 | 4.7902 | 5.0428 | 4.8530 | 4.8496 |
| Stddev | .275   | .0076  | .0400  | .0079  | .0186  | .0108  | .0357  |
| %RSD   | 1.1138 | .15452 | .84965 | .16491 | .36885 | .22166 | .73540 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 24.399 | 4.9581 | 4.6950 | 4.7847 | 5.0251 | 4.8491 | 4.8084 |
| #2 | 24.873 | 4.9535 | 4.6843 | 4.7868 | 5.0622 | 4.8447 | 4.8717 |
| #3 | 24.879 | 4.9432 | 4.7584 | 4.7993 | 5.0411 | 4.8651 | 4.8685 |

Sample Name: CCV09      Acquired: 8/14/2019 21:56:49      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: PBW      Custom ID2:      Custom ID3:  
 Comment:

|           |          |        |        |          |          |
|-----------|----------|--------|--------|----------|----------|
| Elem      | Li6707   | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm      | ppm    | ppm    | ppm      | ppm      |
| Avg       | F 3.7713 | 4.818  | 4.9812 | F<.00000 | F .75025 |
| Stddev    | .0411    | .006   | .0450  | .95765   | 2.3333   |
| %RSD      | 1.0894   | .1209  | .90408 | 41.066   | 311.00   |
| #1        | 3.7240   | 4.822  | 4.9293 | -1.3551  | 1.5115   |
| #2        | 3.7974   | 4.820  | 5.0102 | -2.3717  | -1.8686  |
| #3        | 3.7926   | 4.811  | 5.0040 | -3.2691  | 2.6078   |
| Int. Std. | Y_2243   | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S    | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2618.3   | 29445. | 3078.5 | 34.591   | 2498.8   |
| Stddev    | 5.3      | 110.   | 16.0   | .914     | 2.4      |
| %RSD      | .20086   | .37382 | .52098 | 2.6436   | .09488   |
| #1        | 2615.6   | 29571. | 3092.2 | 35.619   | 2497.7   |
| #2        | 2614.8   | 29393. | 3060.9 | 33.870   | 2497.1   |
| #3        | 2624.3   | 29369. | 3082.4 | 34.283   | 2501.5   |

Sample Name: CCB09      Acquired: 8/14/2019 22:00:47      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |         |         |
|--------|--------|---------|--------|---------|--------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00389 | -.00104 | .00048 | -.00727 | .00128 | -.03982 | -.00027 |
| Stddev | .00099 | .00107  | .00088 | .00234  | .00053 | .01403  | .00098  |
| %RSD   | 25.366 | 102.51  | 180.92 | 32.237  | 41.390 | 35.229  | 363.90  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00501 | -.00006 | .00149  | -.00568 | .00131 | -.04674 | -.00033 |
| #2 | .00315 | -.00089 | .00008  | -.00996 | .00180 | -.02368 | .00074  |
| #3 | .00352 | -.00218 | -.00011 | -.00617 | .00074 | -.04905 | -.00121 |

|        |        |         |         |        |        |         |        |
|--------|--------|---------|---------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00007 | -.00004 | -.02367 | .00001 | .00001 | -.00012 | .00044 |
| Stddev | .00006 | .00009  | .01424  | .00035 | .00009 | .00043  | .00084 |
| %RSD   | 86.969 | 213.46  | 60.166  | 3273.6 | 1007.8 | 357.83  | 189.71 |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00009 | .00003  | -.02690 | -.00005 | -.00010 | .00014  | .00112  |
| #2 | .00000 | -.00014 | -.03603 | .00039  | .00006  | .00012  | -.00050 |
| #3 | .00013 | -.00002 | -.00810 | -.00030 | .00007  | -.00061 | .00071  |

|        |         |        |        |         |          |         |         |
|--------|---------|--------|--------|---------|----------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895   | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm      | ppm     | ppm     |
| Avg    | -.00001 | .02404 | .00129 | -.00295 | F 3.9359 | -.00088 | -.00081 |
| Stddev | .00004  | .02041 | .00024 | .00039  | .0383    | .00018  | .00017  |
| %RSD   | 324.91  | 84.901 | 18.693 | 13.327  | .97397   | 20.027  | 21.330  |

|    |         |        |        |         |        |         |         |
|----|---------|--------|--------|---------|--------|---------|---------|
| #1 | -.00006 | .02745 | .00101 | -.00340 | 3.9791 | -.00082 | -.00064 |
| #2 | -.00000 | .00214 | .00144 | -.00275 | 3.9226 | -.00108 | -.00099 |
| #3 | .00002  | .04253 | .00141 | -.00269 | 3.9059 | -.00074 | -.00081 |

|        |          |        |         |        |        |         |        |
|--------|----------|--------|---------|--------|--------|---------|--------|
| Elem   | K_7664   | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | F .61719 | .00117 | -.03823 | .00338 | .00446 | -.00059 | .00082 |
| Stddev | .06050   | .00037 | .00625  | .00477 | .00185 | .00094  | .00188 |
| %RSD   | 9.8027   | 31.446 | 16.358  | 141.28 | 41.525 | 159.11  | 229.47 |

|    |        |        |         |         |        |         |         |
|----|--------|--------|---------|---------|--------|---------|---------|
| #1 | .68480 | .00156 | -.03525 | -.00144 | .00232 | -.00109 | .00287  |
| #2 | .59864 | .00083 | -.04542 | .00348  | .00554 | .00049  | -.00080 |
| #3 | .56814 | .00112 | -.03402 | .00810  | .00553 | -.00119 | .00039  |



Sample Name: CCB09      Acquired: 8/14/2019 22:00:47      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|           |          |        |         |          |          |
|-----------|----------|--------|---------|----------|----------|
| Elem      | Li6707   | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm      | ppm    | ppm     | ppm      | ppm      |
| Avg       | F .00823 | .0010  | -.00000 | F<.00000 | F<.00000 |
| Stddev    | .00074   | .0019  | .00005  | .96166   | 2.1752   |
| %RSD      | 9.0440   | 197.8  | 114680. | 29.236   | 77.554   |
| #1        | .00767   | .0011  | .00005  | -2.8754  | -5.1500  |
| #2        | .00794   | .0027  | .00000  | -2.6039  | -2.4110  |
| #3        | .00907   | -.0010 | -.00006 | -4.3886  | -.85337  |
| Int. Std. | Y_2243   | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S    | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2701.2   | 29892. | 3072.8  | 35.192   | 2739.1   |
| Stddev    | 9.7      | 42.    | 6.5     | .450     | 10.4     |
| %RSD      | .35801   | .14190 | .21291  | 1.2794   | .38029   |
| #1        | 2695.2   | 29897. | 3065.5  | 35.400   | 2731.0   |
| #2        | 2696.1   | 29847. | 3075.1  | 34.675   | 2735.6   |
| #3        | 2712.4   | 29931. | 3077.9  | 35.500   | 2750.9   |

Sample Name: K4089-02      Acquired: 8/14/2019 22:05:16      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00309 | -.00397 | .00193 | -.00025 | -.00267 | .08788 | .12153 |
| Stddev | .00096 | .00261  | .00113 | .00251  | .00052  | .01225 | .00006 |
| %RSD   | 30.940 | 65.864  | 58.501 | 1004.9  | 19.403  | 13.944 | .04683 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00360 | -.00694 | .00247 | .00234  | -.00248 | .07397 | .12146 |
| #2 | .00369 | -.00202 | .00270 | -.00267 | -.00326 | .09706 | .12154 |
| #3 | .00199 | -.00294 | .00063 | -.00042 | -.00228 | .09261 | .12158 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00013 | .00021 | 41.619 | .00036 | .00237 | .00566 | .39430 |
| Stddev | .00001 | .00009 | .214   | .00012 | .00012 | .00002 | .00021 |
| %RSD   | 8.9709 | 44.192 | .51386 | 31.798 | 4.9354 | .31220 | .05236 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00012 | .00032 | 41.372 | .00035 | .00227 | .00565 | .39440 |
| #2 | .00014 | .00019 | 41.743 | .00048 | .00234 | .00569 | .39444 |
| #3 | .00013 | .00013 | 41.741 | .00025 | .00250 | .00566 | .39407 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .36291 | 4.4962 | .00284 | -.00318 | 219.87 | -.00087 | .09508 |
| Stddev | .00044 | .0923  | .00067 | .00069  | 1.61   | .00055  | .00029 |
| %RSD   | .12014 | 2.0520 | 23.454 | 21.719  | .73195 | 63.668  | .30457 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .36300 | 4.4045 | .00286 | -.00243 | 218.64 | -.00038 | .09498 |
| #2 | .36330 | 4.4952 | .00350 | -.00380 | 219.27 | -.00147 | .09485 |
| #3 | .36244 | 4.5890 | .00217 | -.00331 | 221.69 | -.00076 | .09540 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.0391 | .00010 | .01532 | .49837 | .90611 | -.00019 | .00085 |
| Stddev | .0383  | .00036 | .01962 | .00546 | .00422 | .00020  | .00177 |
| %RSD   | 3.6900 | 372.99 | 128.11 | 1.0957 | .46583 | 110.36  | 207.27 |

|    |        |         |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|---------|---------|
| #1 | 1.0342 | .00015  | .03783 | .50114 | .91052 | -.00042 | .00289  |
| #2 | 1.0797 | .00043  | .00623 | .50189 | .90210 | -.00010 | -.00002 |
| #3 | 1.0035 | -.00029 | .00188 | .49208 | .90570 | -.00003 | -.00031 |

Sample Name: K4089-02      Acquired: 8/14/2019 22:05:16      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00841 | .0039  | .12240 | 1.2936 | F<.00000 |
| Stddev | .00037 | .0003  | .00075 | .7087  | 1.0966   |
| %RSD   | 4.4449 | 6.508  | .61143 | 54.780 | 16.786   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00883 | .0036 | .12178 | 1.1636 | -5.2717 |
| #2 | .00831 | .0041 | .12218 | 2.0583 | -7.2622 |
| #3 | .00810 | .0039 | .12323 | .65901 | -7.0644 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2596.8 | 29311. | 3077.1 | 35.238 | 2496.7 |
| Stddev    | 17.1   | 61.    | 6.2    | .794   | 13.4   |
| %RSD      | .65689 | .20973 | .20267 | 2.2532 | .53844 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2581.9 | 29254. | 3070.2 | 34.406 | 2484.9 |
| #2 | 2615.4 | 29302. | 3082.4 | 35.320 | 2511.3 |
| #3 | 2593.1 | 29376. | 3078.8 | 35.988 | 2493.8 |

Sample Name: K4096-03      Acquired: 8/14/2019 22:09:40      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00276 | -.00219 | .00311 | -.00207 | -.00131 | .15079 | .09457 |
| Stddev | .00402 | .00186  | .00049 | .00245  | .00168  | .02507 | .00080 |
| %RSD   | 145.47 | 85.074  | 15.779 | 118.76  | 127.97  | 16.627 | .84674 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00661  | -.00051 | .00352 | -.00414 | .00051  | .17141 | .09401 |
| #2 | .00309  | -.00419 | .00324 | .00064  | -.00166 | .12288 | .09422 |
| #3 | -.00141 | -.00187 | .00257 | -.00270 | -.00279 | .15808 | .09549 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00010 | .00002 | 18.818 | -.00023 | .00209 | .00507 | .99651 |
| Stddev | .00002 | .00014 | .034   | .00013  | .00007 | .00094 | .00170 |
| %RSD   | 18.607 | 882.49 | .17810 | 57.894  | 3.5481 | 18.647 | .17073 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00009 | .00013  | 18.780 | -.00030 | .00215 | .00559 | .99666 |
| #2 | .00009 | .00007  | 18.830 | -.00031 | .00212 | .00564 | .99813 |
| #3 | .00012 | -.00014 | 18.844 | -.00008 | .00201 | .00398 | .99474 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .53320 | 2.0643 | .00119 | -.00295 | 241.60 | -.00190 | .02745 |
| Stddev | .00068 | .0362  | .00017 | .00014  | 1.88   | .00047  | .00008 |
| %RSD   | .12669 | 1.7526 | 14.122 | 4.8995  | .77811 | 24.596  | .29658 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .53397 | 2.0316 | .00099 | -.00289 | 239.96 | -.00144 | .02750 |
| #2 | .53269 | 2.0580 | .00129 | -.00311 | 243.65 | -.00188 | .02750 |
| #3 | .53295 | 2.1032 | .00128 | -.00284 | 241.20 | -.00238 | .02736 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1219 | -.00012 | -.02302 | .21656 | .57276 | .00009 | .00648 |
| Stddev | .0644  | .00010  | .00948  | .00691 | .00367 | .00038 | .00188 |
| %RSD   | 5.7363 | 88.307  | 41.196  | 3.1890 | .64030 | 416.55 | 29.012 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | 1.1421 | -.00023 | -.02848 | .21987 | .57643 | -.00028 | .00579 |
| #2 | 1.0499 | -.00005 | -.01207 | .22119 | .56909 | .00048  | .00504 |
| #3 | 1.1738 | -.00007 | -.02851 | .20862 | .57275 | .00008  | .00860 |

Sample Name: K4096-03      Acquired: 8/14/2019 22:09:40      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00721 | .0046  | .05220 | <.00000 | F<.00000 |
| Stddev | .00149 | .0019  | .00020 | .13122  | 3.7729   |
| %RSD   | 20.701 | 42.08  | .38410 | 10.430  | 47.788   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .00600 | .0038 | .05197 | -1.3120 | -3.5981 |
| #2 | .00888 | .0031 | .05233 | -1.1084 | -9.4213 |
| #3 | .00676 | .0068 | .05230 | -1.3536 | -10.666 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2577.1 | 29057. | 3060.7 | 35.413 | 2489.1 |
| Stddev    | 6.9    | 10.    | 22.9   | .803   | 8.9    |
| %RSD      | .26818 | .03449 | .74770 | 2.2675 | .35568 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2569.1 | 29046. | 3042.2 | 35.838 | 2479.9 |
| #2 | 2580.7 | 29058. | 3053.7 | 34.487 | 2489.9 |
| #3 | 2581.3 | 29066. | 3086.3 | 35.914 | 2497.5 |

Sample Name: K4321-02      Acquired: 8/14/2019 22:14:07      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |         |        |        |
|--------|--------|---------|---------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00446 | -.00258 | -.00160 | -.00413 | -.00037 | .01088 | .20617 |
| Stddev | .00270 | .00153  | .00062  | .00295  | .00124  | .00654 | .00127 |
| %RSD   | 60.566 | 59.229  | 39.055  | 71.310  | 334.16  | 60.094 | .61823 |

|    |        |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00233 | -.00354 | -.00230 | -.00119 | -.00179 | .01348 | .20472 |
| #2 | .00750 | -.00337 | -.00136 | -.00412 | .00019  | .00344 | .20671 |
| #3 | .00356 | -.00082 | -.00113 | -.00708 | .00049  | .01572 | .20709 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00007 | .00003 | 1.3169 | .00098 | .00000 | .00214 | .01022 |
| Stddev | .00009 | .00006 | .0266  | .00039 | .00010 | .00003 | .00033 |
| %RSD   | 132.86 | 172.79 | 2.0223 | 39.542 | 5845.9 | 1.2014 | 3.2133 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | -.00003 | -.00003 | 1.3094 | .00099 | -.00004 | .00216 | .01056 |
| #2 | .00009  | .00005  | 1.2948 | .00135 | .00011  | .00213 | .00991 |
| #3 | .00014  | .00007  | 1.3465 | .00058 | -.00007 | .00211 | .01018 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .01036 | .17377 | .00215 | -.00231 | 266.96 | -.00128 | .18009 |
| Stddev | .00006 | .04962 | .00057 | .00054  | 1.21   | .00033  | .00044 |
| %RSD   | .59659 | 28.554 | 26.384 | 23.403  | .45208 | 25.779  | .24651 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .01040 | .11671 | .00238 | -.00291 | 265.72 | -.00098 | .17961 |
| #2 | .01029 | .19786 | .00150 | -.00187 | 267.01 | -.00123 | .18049 |
| #3 | .01039 | .20674 | .00256 | -.00215 | 268.13 | -.00164 | .18018 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .90385 | .00009 | .06113 | .71391 | .08800 | -.00052 | .00266 |
| Stddev | .08893 | .00015 | .02357 | .00395 | .00289 | .00053  | .00165 |
| %RSD   | 9.8389 | 174.57 | 38.554 | .55300 | 3.2794 | 100.78  | 62.252 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | .91282 | .00021  | .04215 | .71323 | .09091 | -.00098 | .00417 |
| #2 | .98796 | .00014  | .05373 | .71035 | .08793 | -.00063 | .00089 |
| #3 | .81078 | -.00008 | .08752 | .71815 | .08514 | .00005  | .00291 |

Sample Name: K4321-02      Acquired: 8/14/2019 22:14:07      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00696 | .0020  | .01462 | <.00000 | F<.00000 |
| Stddev | .00192 | .0027  | .00009 | .51697  | 1.2788   |
| %RSD   | 27.654 | 133.7  | .64796 | 16.775  | 16.037   |

|    |        |        |        |         |         |
|----|--------|--------|--------|---------|---------|
| #1 | .00836 | .0012  | .01460 | -3.4651 | -6.4981 |
| #2 | .00476 | -.0002 | .01454 | -2.4939 | -8.7479 |
| #3 | .00774 | .0050  | .01472 | -3.2866 | -8.6765 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2596.5 | 29147. | 3072.4 | 34.860 | 2528.8 |
| Stddev    | 7.0    | 55.    | 17.3   | .760   | 6.6    |
| %RSD      | .26949 | .18987 | .56173 | 2.1810 | .26024 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2597.0 | 29087. | 3056.5 | 35.690 | 2534.0 |
| #2 | 2603.3 | 29157. | 3070.0 | 34.197 | 2531.0 |
| #3 | 2589.3 | 29197. | 3090.8 | 34.693 | 2521.4 |

Sample Name: K4321-04      Acquired: 8/14/2019 22:18:35      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |         |        |
|--------|--------|---------|--------|---------|---------|---------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00471 | -.00277 | .00125 | -.00311 | -.00143 | -.01022 | .29818 |
| Stddev | .00157 | .00147  | .00007 | .00115  | .00318  | .01424  | .00327 |
| %RSD   | 33.348 | 53.176  | 5.4646 | 37.135  | 221.89  | 139.34  | 1.0970 |

|    |        |         |        |         |         |         |        |
|----|--------|---------|--------|---------|---------|---------|--------|
| #1 | .00424 | -.00301 | .00131 | -.00340 | -.00420 | -.02459 | .29441 |
| #2 | .00647 | -.00410 | .00117 | -.00408 | -.00214 | .00389  | .30028 |
| #3 | .00343 | -.00119 | .00126 | -.00183 | .00204  | -.00996 | .29985 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | -.00004 | 1.8328 | .00044 | .00021 | .00218 | .00344 |
| Stddev | .00003  | .00015  | .0363  | .00017 | .00016 | .00053 | .00053 |
| %RSD   | 48.546  | 424.55  | 1.9808 | 37.773 | 73.710 | 24.281 | 15.264 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00002 | -.00017 | 1.8697 | .00045 | .00003 | .00279 | .00347 |
| #2 | -.00006 | -.00007 | 1.7971 | .00061 | .00030 | .00194 | .00290 |
| #3 | -.00007 | .00013  | 1.8316 | .00028 | .00031 | .00181 | .00395 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00624 | .25723 | .00205 | -.00266 | 277.75 | -.00058 | .23655 |
| Stddev | .00009 | .04071 | .00028 | .00078  | .33    | .00030  | .00055 |
| %RSD   | 1.4998 | 15.827 | 13.875 | 29.438  | .11853 | 52.179  | .23453 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00635 | .29281 | .00172 | -.00346 | 277.94 | -.00038 | .23704 |
| #2 | .00619 | .26606 | .00223 | -.00262 | 277.93 | -.00043 | .23595 |
| #3 | .00618 | .21283 | .00220 | -.00189 | 277.37 | -.00092 | .23664 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.0037 | .00006 | .09741 | 1.0228 | .15080 | -.00065 | .00186 |
| Stddev | .0222  | .00039 | .02089 | .0108  | .00058 | .00070  | .00251 |
| %RSD   | 2.2136 | 604.78 | 21.445 | 1.0581 | .38255 | 107.00  | 134.71 |

|    |        |         |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|---------|---------|
| #1 | .99605 | -.00001 | .08844 | 1.0143 | .15082 | -.00135 | .00171  |
| #2 | 1.0287 | -.00028 | .08250 | 1.0191 | .15137 | -.00066 | -.00056 |
| #3 | .98628 | .00049  | .12128 | 1.0350 | .15022 | .00005  | .00445  |



Sample Name: K4321-04      Acquired: 8/14/2019 22:18:35      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00857 | .0013  | .03969 | <.00000 | F<.00000 |
| Stddev    | .00109 | .0013  | .00017 | .51512  | 2.7397   |
| %RSD      | 12.697 | 99.32  | .41843 | 55.423  | 25.793   |
| #1        | .00759 | .0005  | .03964 | -.99099 | -12.999  |
| #2        | .00974 | .0027  | .03987 | -.38631 | -11.241  |
| #3        | .00838 | .0005  | .03955 | -1.4110 | -7.6256  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2599.3 | 29371. | 3080.3 | 36.122  | 2530.1   |
| Stddev    | 9.2    | 80.    | 26.2   | .983    | 7.0      |
| %RSD      | .35538 | .27110 | .85086 | 2.7223  | .27582   |
| #1        | 2593.7 | 29331. | 3054.6 | 35.256  | 2523.2   |
| #2        | 2594.4 | 29320. | 3079.3 | 35.920  | 2530.1   |
| #3        | 2610.0 | 29463. | 3107.0 | 37.191  | 2537.1   |

Sample Name: K4321-06      Acquired: 8/14/2019 22:23:02      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00495 | -.00247 | .00112 | -.00161 | -.00197 | .19644 | .33165 |
| Stddev | .00138 | .00105  | .00046 | .00150  | .00125  | .02150 | .00453 |
| %RSD   | 27.846 | 42.416  | 41.081 | 93.503  | 63.518  | 10.945 | 1.3648 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00429 | -.00172 | .00117 | -.00256 | -.00335 | .17376 | .32654 |
| #2 | .00403 | -.00366 | .00063 | -.00239 | -.00164 | .19902 | .33516 |
| #3 | .00654 | -.00202 | .00154 | .00013  | -.00092 | .21652 | .33325 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00030 | .00015 | 6.1803 | .00099 | .00155 | .00514 | .24068 |
| Stddev | .00006 | .00006 | .0583  | .00075 | .00023 | .00042 | .00053 |
| %RSD   | 21.365 | 39.017 | .94284 | 75.470 | 14.601 | 8.1924 | .21886 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00037 | .00022 | 6.1172 | .00164 | .00143 | .00555 | .24083 |
| #2 | .00031 | .00014 | 6.2321 | .00017 | .00181 | .00471 | .24111 |
| #3 | .00024 | .00010 | 6.1916 | .00116 | .00141 | .00518 | .24009 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .08438 | 1.4431 | .00536 | -.00265 | 237.81 | .00044 | .21264 |
| Stddev | .00025 | .0680  | .00050 | .00043  | 2.31   | .00034 | .00074 |
| %RSD   | .29315 | 4.7101 | 9.3710 | 16.109  | .96954 | 77.494 | .34858 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .08419 | 1.4396 | .00562 | -.00313 | 235.16 | .00078 | .21305 |
| #2 | .08466 | 1.5128 | .00568 | -.00232 | 239.03 | .00044 | .21178 |
| #3 | .08430 | 1.3770 | .00478 | -.00250 | 239.26 | .00010 | .21308 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.0541 | .00006 | .07477 | 1.3566 | .89465 | -.00084 | .00342 |
| Stddev | .0593  | .00046 | .01105 | .0061  | .01223 | .00069  | .00356 |
| %RSD   | 5.6228 | 719.84 | 14.785 | .44948 | 1.3669 | 81.701  | 104.12 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | .98652 | .00027  | .08394 | 1.3585 | .90701 | -.00150 | .00018 |
| #2 | 1.0971 | .00039  | .06250 | 1.3498 | .88256 | -.00090 | .00285 |
| #3 | 1.0787 | -.00047 | .07788 | 1.3615 | .89439 | -.00013 | .00723 |

Sample Name: K4321-06      Acquired: 8/14/2019 22:23:02      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00887 | .0141  | .15750 | <.00000 | F<.00000 |
| Stddev    | .00088 | .0023  | .00053 | .65021  | .72312   |
| %RSD      | 9.9277 | 16.07  | .33681 | 402.91  | 9.2282   |
| #1        | .00822 | .0150  | .15706 | .50954  | -7.7897  |
| #2        | .00987 | .0115  | .15809 | -.20500 | -8.5811  |
| #3        | .00852 | .0158  | .15735 | -.78868 | -7.1370  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2630.7 | 29524. | 3108.7 | 36.993  | 2567.0   |
| Stddev    | 7.5    | 129.   | 19.3   | .775    | 7.3      |
| %RSD      | .28610 | .43725 | .62205 | 2.0949  | .28401   |
| #1        | 2632.6 | 29654. | 3088.3 | 36.334  | 2563.9   |
| #2        | 2637.0 | 29396. | 3126.8 | 37.847  | 2575.3   |
| #3        | 2622.4 | 29521. | 3111.0 | 36.799  | 2561.7   |

Sample Name: K4322-01      Acquired: 8/14/2019 22:27:29      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00343 | -.00318 | .01734 | -.00317 | -.00084 | .04517 | .27034 |
| Stddev | .00251 | .00159  | .00030 | .00214  | .00031  | .01744 | .00104 |
| %RSD   | 72.993 | 49.994  | 1.7588 | 67.380  | 37.696  | 38.614 | .38521 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00596 | -.00445 | .01727 | -.00307 | -.00073 | .02869 | .26915 |
| #2 | .00340 | -.00140 | .01707 | -.00535 | -.00059 | .06344 | .27112 |
| #3 | .00095 | -.00370 | .01767 | -.00109 | -.00119 | .04339 | .27074 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00002 | .00036 | 10.642 | .00038 | .00388 | .01079 | .01827 |
| Stddev | .00005 | .00010 | .070   | .00035 | .00013 | .00074 | .00032 |
| %RSD   | 274.56 | 26.629 | .65394 | 91.014 | 3.4320 | 6.9002 | 1.7543 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00007  | .00035 | 10.579 | .00078 | .00403 | .01090 | .01851 |
| #2 | .00001  | .00047 | 10.632 | .00025 | .00383 | .00999 | .01839 |
| #3 | -.00003 | .00027 | 10.717 | .00012 | .00378 | .01147 | .01790 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .14645 | .37540 | .00571 | -.00317 | 242.14 | -.00153 | .25798 |
| Stddev | .00072 | .02769 | .00046 | .00056  | 2.64   | .00085  | .00036 |
| %RSD   | .49257 | 7.3765 | 8.1157 | 17.736  | 1.0911 | 55.480  | .14105 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .14718 | .40735 | .00536 | -.00371 | 239.09 | -.00248 | .25789 |
| #2 | .14642 | .36052 | .00624 | -.00320 | 243.52 | -.00125 | .25838 |
| #3 | .14574 | .35832 | .00554 | -.00259 | 243.80 | -.00085 | .25767 |

|        |        |         |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|---------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.2276 | -.00003 | .04720 | .76081 | .42087 | -.00034 | -.00069 |
| Stddev | .0332  | .00011  | .01061 | .00569 | .00647 | .00022  | .00128  |
| %RSD   | 2.7039 | 348.57  | 22.483 | .74731 | 1.5381 | 66.877  | 185.97  |

|    |        |         |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|---------|---------|
| #1 | 1.2294 | .00009  | .05687 | .76603 | .42509 | -.00044 | .00079  |
| #2 | 1.1935 | -.00006 | .03585 | .75476 | .42410 | -.00008 | -.00144 |
| #3 | 1.2599 | -.00013 | .04889 | .76166 | .41342 | -.00049 | -.00141 |

Sample Name: K4322-01      Acquired: 8/14/2019 22:27:29      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00680 | .0117  | .04847 | <.00000 | F<.00000 |
| Stddev    | .00115 | .0013  | .00048 | .61243  | 2.5183   |
| %RSD      | 16.904 | 11.45  | .98834 | 47.975  | 29.516   |
| #1        | .00588 | .0103  | .04834 | -1.9107 | -11.287  |
| #2        | .00643 | .0130  | .04900 | -1.2305 | -7.9589  |
| #3        | .00809 | .0120  | .04807 | -.68843 | -6.3495  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2623.3 | 29565. | 3107.4 | 35.350  | 2547.6   |
| Stddev    | 2.6    | 74.    | 22.6   | .181    | 3.5      |
| %RSD      | .09842 | .24945 | .72692 | .51166  | .13573   |
| #1        | 2625.3 | 29519. | 3082.1 | 35.173  | 2551.2   |
| #2        | 2624.3 | 29650. | 3114.6 | 35.342  | 2547.2   |
| #3        | 2620.4 | 29526. | 3125.5 | 35.534  | 2544.3   |

Sample Name: K4322-02      Acquired: 8/14/2019 22:31:55      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00306 | -.00331 | .03453 | -.00155 | -.00038 | .02351 | .32669 |
| Stddev | .00189 | .00130  | .00107 | .00087  | .00062  | .02028 | .00272 |
| %RSD   | 61.634 | 39.255  | 3.0988 | 55.913  | 160.99  | 86.256 | .83374 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00143 | -.00462 | .03358 | -.00225 | .00021  | .01622 | .32366 |
| #2 | .00513 | -.00202 | .03431 | -.00058 | -.00101 | .04643 | .32744 |
| #3 | .00264 | -.00330 | .03569 | -.00181 | -.00035 | .00788 | .32895 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00006 | .00040 | 28.087 | .00034 | .00239 | .01903 | .00776 |
| Stddev | .00016 | .00008 | .108   | .00045 | .00010 | .00045 | .00055 |
| %RSD   | 268.25 | 19.896 | .38361 | 131.47 | 4.2708 | 2.3599 | 7.0997 |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00013  | .00031 | 27.975 | .00050  | .00228 | .01947 | .00713 |
| #2 | -.00012 | .00045 | 28.190 | -.00016 | .00242 | .01905 | .00815 |
| #3 | .00017  | .00044 | 28.097 | .00070  | .00248 | .01857 | .00801 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .31366 | .41563 | .00605 | -.00241 | 238.42 | -.00145 | .27296 |
| Stddev | .00031 | .07948 | .00056 | .00047  | 1.62   | .00074  | .00090 |
| %RSD   | .09900 | 19.123 | 9.2083 | 19.302  | .67846 | 50.838  | .32924 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .31335 | .50476 | .00569 | -.00269 | 236.64 | -.00074 | .27315 |
| #2 | .31397 | .35212 | .00669 | -.00187 | 238.84 | -.00140 | .27198 |
| #3 | .31367 | .39001 | .00576 | -.00267 | 239.80 | -.00221 | .27375 |

|        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.1994 | .00001 | .04593 | .75181 | .38760 | -.00071 | -.00095 |
| Stddev | .0614  | .00038 | .01287 | .00634 | .00771 | .00081  | .00150  |
| %RSD   | 5.1235 | 6855.9 | 28.016 | .84268 | 1.9900 | 113.99  | 157.71  |

|    |        |         |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|---------|---------|
| #1 | 1.1507 | -.00041 | .05756 | .75363 | .39372 | .00015  | .00077  |
| #2 | 1.1791 | .00034  | .04812 | .74477 | .37894 | -.00083 | -.00199 |
| #3 | 1.2685 | .00009  | .03211 | .75704 | .39016 | -.00145 | -.00162 |

Sample Name: K4322-02      Acquired: 8/14/2019 22:31:55      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00867 | .0073  | .07358 | <.00000 | F<.00000 |
| Stddev    | .00214 | .0015  | .00071 | .69083  | .84012   |
| %RSD      | 24.733 | 20.39  | .96466 | 24.373  | 11.155   |
| #1        | .01103 | .0064  | .07292 | -3.1483 | -7.6919  |
| #2        | .00683 | .0064  | .07434 | -2.0424 | -6.6226  |
| #3        | .00816 | .0090  | .07349 | -3.3126 | -8.2797  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2614.0 | 29246. | 3073.3 | 35.961  | 2529.0   |
| Stddev    | 14.0   | 34.    | 10.0   | .728    | 11.8     |
| %RSD      | .53657 | .11627 | .32438 | 2.0239  | .46464   |
| #1        | 2602.7 | 29226. | 3064.5 | 36.532  | 2518.6   |
| #2        | 2629.7 | 29285. | 3071.2 | 36.211  | 2541.7   |
| #3        | 2609.7 | 29227. | 3084.1 | 35.142  | 2526.7   |

Sample Name: K4238-10      Acquired: 8/14/2019 22:36:21      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |         |        |        |
|--------|--------|---------|---------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00455 | -.00377 | -.00034 | -.00163 | -.00014 | .01690 | .16187 |
| Stddev | .00065 | .00110  | .00044  | .00305  | .00214  | .01807 | .00173 |
| %RSD   | 14.188 | 29.232  | 126.60  | 186.44  | 1553.4  | 106.93 | 1.0679 |

|    |        |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00416 | -.00393 | -.00066 | -.00220 | .00189  | .00566 | .16006 |
| #2 | .00420 | -.00478 | .00015  | .00166  | .00006  | .00729 | .16204 |
| #3 | .00530 | -.00259 | -.00053 | -.00436 | -.00237 | .03774 | .16350 |

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00004 | -.00004 | 6.7356 | .00024 | -.00025 | .00298 | .01723 |
| Stddev | .00002 | .00006  | .0460  | .00028 | .00018  | .00013 | .00166 |
| %RSD   | 46.671 | 134.68  | .68254 | 115.03 | 71.803  | 4.3454 | 9.6303 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00006 | -.00011 | 6.6836 | .00052  | -.00041 | .00307 | .01740 |
| #2 | .00002 | -.00000 | 6.7710 | -.00004 | -.00028 | .00304 | .01880 |
| #3 | .00005 | -.00002 | 6.7522 | .00025  | -.00006 | .00283 | .01549 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01717 | .87309 | .00065 | -.00318 | 70.307 | .00193 | .08119 |
| Stddev | .00012 | .03165 | .00028 | .00050  | .045   | .00039 | .00038 |
| %RSD   | .69016 | 3.6254 | 42.388 | 15.896  | .06337 | 20.034 | .46580 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .01730 | .88797 | .00079 | -.00261 | 70.358 | .00233 | .08110 |
| #2 | .01706 | .89457 | .00033 | -.00358 | 70.287 | .00192 | .08086 |
| #3 | .01717 | .83674 | .00083 | -.00334 | 70.276 | .00155 | .08160 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 2.0062 | .00298 | .03331 | 1.9557 | 1.2682 | -.00127 | .00309 |
| Stddev | .0776  | .00035 | .01218 | .0109  | .0032  | .00058  | .00167 |
| %RSD   | 3.8693 | 11.620 | 36.568 | .55721 | .25314 | 45.723  | 53.916 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 1.9425 | .00288 | .03955 | 1.9444 | 1.2648 | -.00066 | .00149 |
| #2 | 1.9834 | .00270 | .01927 | 1.9662 | 1.2712 | -.00182 | .00297 |
| #3 | 2.0926 | .00337 | .04111 | 1.9566 | 1.2686 | -.00133 | .00482 |



Sample Name: K4238-10      Acquired: 8/14/2019 22:36:21      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00667 | .0301  | .04444 | <.00000 | F<.00000 |
| Stddev    | .00094 | .0029  | .00019 | .89676  | .52288   |
| %RSD      | 14.102 | 9.699  | .41795 | 23.231  | 16.675   |
| #1        | .00708 | .0317  | .04440 | -2.9446 | -2.6123  |
| #2        | .00734 | .0319  | .04465 | -3.8991 | -3.1369  |
| #3        | .00559 | .0268  | .04428 | -4.7369 | -3.6580  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2632.4 | 29478. | 3053.8 | 34.626  | 2659.5   |
| Stddev    | 5.8    | 51.    | 18.2   | .591    | 4.0      |
| %RSD      | .21913 | .17241 | .59751 | 1.7054  | .15076   |
| #1        | 2627.9 | 29425. | 3047.3 | 35.156  | 2655.1   |
| #2        | 2638.9 | 29526. | 3039.8 | 34.732  | 2660.3   |
| #3        | 2630.3 | 29484. | 3074.5 | 33.989  | 2663.0   |

Sample Name: K4277-14      Acquired: 8/14/2019 22:40:48      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00346 | -.00136 | -.00024 | -.00110 | -.00151 | -.01208 | .06394 |
| Stddev | .00169 | .00036  | .00056  | .00157  | .00074  | .00293  | .00098 |
| %RSD   | 49.032 | 26.493  | 233.32  | 143.69  | 48.949  | 24.267  | 1.5291 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00154 | -.00156 | .00022  | -.00227 | -.00133 | -.01036 | .06480 |
| #2 | .00409 | -.00094 | -.00008 | .00069  | -.00088 | -.01547 | .06288 |
| #3 | .00474 | -.00157 | -.00086 | -.00171 | -.00233 | -.01042 | .06416 |

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00008 | -.00002 | 11.555 | .00036 | -.00036 | .00045 | .00846 |
| Stddev | .00004 | .00006  | .046   | .00027 | .00031  | .00018 | .00102 |
| %RSD   | 45.230 | 397.67  | .39991 | 74.963 | 85.335  | 40.315 | 12.031 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00012 | -.00004 | 11.563 | .00033 | -.00032 | .00065 | .00744 |
| #2 | .00004 | -.00006 | 11.506 | .00064 | -.00008 | .00031 | .00849 |
| #3 | .00008 | .00006  | 11.598 | .00011 | -.00069 | .00038 | .00947 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00032 | 3.1122 | .00139 | -.00277 | 29.251 | -.00017 | .02995 |
| Stddev | .00010 | .1115  | .00027 | .00068  | .122   | .00042  | .00008 |
| %RSD   | 32.260 | 3.5839 | 19.421 | 24.604  | .41751 | 246.77  | .27622 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00043 | 3.0903 | .00121 | -.00294 | 29.151 | -.00066 | .02998 |
| #2 | .00024 | 3.0133 | .00170 | -.00336 | 29.215 | .00006  | .03001 |
| #3 | .00028 | 3.2331 | .00125 | -.00202 | 29.388 | .00008  | .02985 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 2.3372 | .00070 | .00099 | 2.6036 | 1.4074 | -.00304 | .00149 |
| Stddev | .0797  | .00033 | .00384 | .0086  | .0157  | .00151  | .00252 |
| %RSD   | 3.4082 | 47.756 | 386.53 | .32830 | 1.1166 | 49.602  | 168.75 |

|    |        |        |         |        |        |         |         |
|----|--------|--------|---------|--------|--------|---------|---------|
| #1 | 2.4260 | .00039 | .00460  | 2.5961 | 1.4217 | -.00201 | .00062  |
| #2 | 2.3138 | .00065 | .00142  | 2.6018 | 1.4099 | -.00477 | -.00048 |
| #3 | 2.2719 | .00105 | -.00304 | 2.6129 | 1.3906 | -.00234 | .00433  |

Sample Name: K4277-14      Acquired: 8/14/2019 22:40:48      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00522 | .0250  | .08222 | <.00000 | F<.00000 |
| Stddev    | .00140 | .0018  | .00051 | .56644  | .67233   |
| %RSD      | 26.765 | 7.342  | .62630 | 12.114  | 13.478   |
| #1        | .00526 | .0230  | .08190 | -4.2165 | -4.3248  |
| #2        | .00661 | .0267  | .08195 | -5.3088 | -4.9714  |
| #3        | .00381 | .0253  | .08282 | -4.5024 | -5.6691  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2741.1 | 30644. | 3149.2 | 36.202  | 2804.3   |
| Stddev    | 16.6   | 81.    | 28.6   | 1.284   | 16.7     |
| %RSD      | .60612 | .26341 | .90738 | 3.5476  | .59448   |
| #1        | 2723.8 | 30555. | 3118.6 | 36.857  | 2786.6   |
| #2        | 2757.0 | 30665. | 3153.9 | 34.722  | 2819.6   |
| #3        | 2742.4 | 30713. | 3175.2 | 37.027  | 2806.7   |

Sample Name: K4277-14DUP      Acquired: 8/14/2019 22:45:15      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .00529 | -.00126 | -.00110 | -.00307 | -.00115 | -.01095 | .05783 | .00001 |
| Stddev | .00461 | .00106  | .00041  | .00375  | .00153  | .01890  | .00029 | .00012 |
| %RSD   | 87.099 | 84.505  | 37.179  | 122.07  | 133.80  | 172.68  | .50936 | 886.50 |

|    |        |         |         |         |         |         |        |         |
|----|--------|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00032 | -.00214 | -.00064 | -.00537 | -.00253 | -.03276 | .05795 | .00015  |
| #2 | .00613 | -.00155 | -.00122 | -.00510 | -.00140 | -.00046 | .05805 | -.00007 |
| #3 | .00942 | -.00008 | -.00142 | .00126  | .00050  | .00039  | .05750 | -.00004 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 10.248 | .00075 | -.00013 | .00043 | .01207 | .00025 | 2.8449 |
| Stddev | .00012  | .016   | .00053 | .00020  | .00046 | .00051 | .00009 | .0146  |
| %RSD   | 239.90  | .15729 | 70.851 | 156.46  | 108.15 | 4.2594 | 35.437 | .51447 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | -.00017 | 10.232 | .00133 | .00007  | .00083  | .01149 | .00034 | 2.8290 |
| #2 | -.00004 | 10.247 | .00066 | -.00011 | .00053  | .01248 | .00016 | 2.8578 |
| #3 | .00006  | 10.264 | .00027 | -.00033 | -.00008 | .01223 | .00027 | 2.8481 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00115 | -.00304 | 26.391 | -.00063 | .02881 | 2.2029 | .00098 | .00528 |
| Stddev | .00062 | .00063  | .076   | .00019  | .00007 | .0771  | .00021 | .01389 |
| %RSD   | 54.113 | 20.873  | .28695 | 31.153  | .22976 | 3.4984 | 21.790 | 263.37 |

|    |        |         |        |         |        |        |        |         |
|----|--------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00054 | -.00250 | 26.352 | -.00084 | .02888 | 2.1294 | .00102 | -.00483 |
| #2 | .00179 | -.00374 | 26.343 | -.00058 | .02877 | 2.2831 | .00118 | .02112  |
| #3 | .00113 | -.00287 | 26.479 | -.00046 | .02877 | 2.1960 | .00075 | -.00046 |

|        |        |        |         |         |        |        |        |         |
|--------|--------|--------|---------|---------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | 2.2948 | 1.2314 | -.00144 | -.00197 | .00566 | .0238  | .07321 | <.00000 |
| Stddev | .0122  | .0146  | .00050  | .00205  | .00045 | .0018  | .00042 | .53921  |
| %RSD   | .53166 | 1.1888 | 34.601  | 104.19  | 7.9940 | 7.476  | .57990 | 12.919  |

|    |        |        |         |         |        |       |        |         |
|----|--------|--------|---------|---------|--------|-------|--------|---------|
| #1 | 2.3083 | 1.2273 | -.00125 | .00023  | .00557 | .0218 | .07313 | -3.7440 |
| #2 | 2.2917 | 1.2192 | -.00107 | -.00382 | .00615 | .0252 | .07284 | -3.9984 |
| #3 | 2.2845 | 1.2476 | -.00201 | -.00232 | .00525 | .0245 | .07367 | -4.7788 |

Sample Name: K4277-14DUP      Acquired: 8/14/2019 22:45:15      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.7994  
 Stddev      2.4473  
 %RSD      136.01

#1      .55158  
 #2      4.6191  
 #3      .22744

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2680.7 | 30006. | 3117.7 | 36.321 | 2742.8 |
| Stddev    | 12.2   | 67.    | 24.6   | 1.073  | 12.0   |
| %RSD      | .45444 | .22401 | .78760 | 2.9532 | .43789 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2669.1 | 30026. | 3102.6 | 37.211 | 2729.6 |
| #2 | 2693.4 | 30061. | 3146.1 | 36.622 | 2753.2 |
| #3 | 2679.6 | 29931. | 3104.5 | 35.130 | 2745.5 |

Sample Name: CCV10      Acquired: 8/14/2019 22:49:43      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0122 | 4.8772 | 4.9903 | 4.9498 | 4.9924 | 9.5136 | 9.8117 |
| Stddev | .0291  | .0251  | .0043  | .0106  | .0252  | .1280  | .1066  |
| %RSD   | .58140 | .51379 | .08649 | .21424 | .50493 | 1.3454 | 1.0863 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.9947 | 4.8528 | 4.9950 | 4.9448 | 4.9937 | 9.3770 | 9.7206 |
| #2 | 4.9961 | 4.8761 | 4.9893 | 4.9425 | 4.9665 | 9.6307 | 9.9289 |
| #3 | 5.0459 | 4.9028 | 4.9865 | 4.9619 | 5.0168 | 9.5333 | 9.7856 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25306 | 2.4746 | 24.733 | .98811 | 2.4628 | 1.2663 | 5.0709 |
| Stddev | .00097 | .0012  | .041   | .00201 | .0027  | .0023  | .0079  |
| %RSD   | .38486 | .04960 | .16498 | .20362 | .10764 | .18024 | .15596 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25393 | 2.4733 | 24.779 | .98668 | 2.4616 | 1.2686 | 5.0766 |
| #2 | .25325 | 2.4749 | 24.720 | .99041 | 2.4610 | 1.2641 | 5.0743 |
| #3 | .25201 | 2.4757 | 24.701 | .98723 | 2.4658 | 1.2663 | 5.0619 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4931 | 24.199 | 2.4536 | 1.2310 | 24.825 | 2.4424 | 2.4607 |
| Stddev | .0043  | .249   | .0024  | .0031  | .270   | .0008  | .0040  |
| %RSD   | .17192 | 1.0291 | .09981 | .25322 | 1.0886 | .03385 | .16183 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4966 | 23.949 | 2.4526 | 1.2343 | 24.672 | 2.4433 | 2.4632 |
| #2 | 2.4943 | 24.448 | 2.4518 | 1.2305 | 25.137 | 2.4420 | 2.4561 |
| #3 | 2.4883 | 24.199 | 2.4564 | 1.2281 | 24.665 | 2.4418 | 2.4628 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 24.324 | 4.9429 | 4.6481 | 4.8555 | 5.0803 | 4.8858 | 4.8991 |
| Stddev | .084   | .0160  | .0436  | .0111  | .0255  | .0024  | .0124  |
| %RSD   | .34615 | .32406 | .93857 | .22930 | .50260 | .04909 | .25215 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 24.228 | 4.9345 | 4.6424 | 4.8444 | 5.1046 | 4.8864 | 4.8849 |
| #2 | 24.360 | 4.9328 | 4.6943 | 4.8556 | 5.0537 | 4.8832 | 4.9066 |
| #3 | 24.384 | 4.9614 | 4.6076 | 4.8666 | 5.0827 | 4.8879 | 4.9060 |

Sample Name: CCV10      Acquired: 8/14/2019 22:49:43      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |          |        |        |          |          |
|-----------|----------|--------|--------|----------|----------|
| Elem      | Li6707   | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm      | ppm    | ppm    | ppm      | ppm      |
| Avg       | F 3.7891 | 4.828  | 5.0181 | F<.00000 | F 2.5474 |
| Stddev    | .0171    | .012   | .0048  | .82433   | 1.6232   |
| %RSD      | .45080   | .2402  | .09533 | 28.981   | 63.720   |
| #1        | 3.7882   | 4.818  | 5.0129 | -2.0100  | 3.4703   |
| #2        | 3.7724   | 4.825  | 5.0193 | -3.6583  | 3.4988   |
| #3        | 3.8066   | 4.841  | 5.0222 | -2.8646  | .67316   |
| Int. Std. | Y_2243   | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S    | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2638.4   | 29585. | 3052.8 | 33.936   | 2510.5   |
| Stddev    | 11.3     | 195.   | 20.0   | 1.337    | 3.4      |
| %RSD      | .42657   | .66060 | .65382 | 3.9409   | .13476   |
| #1        | 2641.0   | 29547. | 3029.9 | 34.098   | 2511.4   |
| #2        | 2648.1   | 29411. | 3066.8 | 35.185   | 2513.4   |
| #3        | 2626.0   | 29796. | 3061.6 | 32.525   | 2506.8   |

Sample Name: CCB10      Acquired: 8/14/2019 22:53:42      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |         |         |         |         |
|--------|----------|--------|--------|---------|---------|---------|---------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934  |
| Units  | ppm      | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | F .00745 | .00026 | .00049 | -.00282 | -.00037 | -.02224 | -.00043 |
| Stddev | .00139   | .00185 | .00033 | .00829  | .00428  | .01566  | .00037  |
| %RSD   | 18.706   | 716.40 | 67.222 | 293.78  | 1165.3  | 70.392  | 85.763  |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00822 | .00222  | .00011 | .00521  | .00286  | -.00417 | -.00011 |
| #2 | .00584 | -.00000 | .00070 | -.01136 | -.00523 | -.03079 | -.00035 |
| #3 | .00829 | -.00144 | .00066 | -.00232 | .00126  | -.03176 | -.00083 |

|        |        |         |         |        |         |         |        |
|--------|--------|---------|---------|--------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00002 | -.00008 | -.00357 | .00017 | -.00007 | -.00006 | .00031 |
| Stddev | .00003 | .00006  | .01246  | .00054 | .00025  | .00025  | .00062 |
| %RSD   | 160.30 | 74.628  | 349.30  | 314.17 | 369.39  | 421.94  | 203.32 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00001 | -.00003 | -.00380 | -.00005 | -.00033 | .00009  | -.00016 |
| #2 | .00002  | -.00007 | .00901  | -.00022 | -.00003 | -.00034 | .00102  |
| #3 | .00006  | -.00015 | -.01591 | .00079  | .00016  | .00008  | .00007  |

|        |         |        |        |         |          |         |         |
|--------|---------|--------|--------|---------|----------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895   | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm      | ppm     | ppm     |
| Avg    | -.00010 | .01681 | .00105 | -.00296 | F 1.7507 | -.00078 | -.00068 |
| Stddev | .00008  | .02877 | .00020 | .00095  | .0067    | .00061  | .00007  |
| %RSD   | 83.365  | 171.19 | 19.096 | 32.060  | .38582   | 78.138  | 10.116  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00019 | .04374  | .00128 | -.00289 | 1.7472 | -.00126 | -.00076 |
| #2 | -.00004 | .02019  | .00098 | -.00205 | 1.7585 | -.00010 | -.00068 |
| #3 | -.00006 | -.01351 | .00089 | -.00395 | 1.7464 | -.00097 | -.00062 |

|        |        |        |         |         |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .29979 | .00139 | -.03053 | -.00520 | .00204 | .00002 | .00208 |
| Stddev | .04083 | .00020 | .01263  | .00298  | .00315 | .00122 | .00049 |
| %RSD   | 13.620 | 14.355 | 41.371  | 57.314  | 154.29 | 5816.5 | 23.631 |

|    |        |        |         |         |         |         |        |
|----|--------|--------|---------|---------|---------|---------|--------|
| #1 | .25288 | .00162 | -.04098 | -.00795 | .00550  | .00109  | .00243 |
| #2 | .32734 | .00127 | -.01650 | -.00560 | .00129  | .00028  | .00229 |
| #3 | .31914 | .00128 | -.03410 | -.00203 | -.00066 | -.00130 | .00152 |



Sample Name: CCB10      Acquired: 8/14/2019 22:53:42      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |          |        |         |          |          |
|-----------|----------|--------|---------|----------|----------|
| Elem      | Li6707   | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm      | ppm    | ppm     | ppm      | ppm      |
| Avg       | F .00579 | .0017  | -.00006 | F<.00000 | F .73700 |
| Stddev    | .00208   | .0019  | .00016  | .15089   | 2.9965   |
| %RSD      | 35.868   | 112.0  | 287.37  | 3.0118   | 406.58   |
| #1        | .00377   | -.0002 | .00007  | -5.1815  | -1.2476  |
| #2        | .00568   | .0017  | .00001  | -4.9518  | 4.1839   |
| #3        | .00792   | .0036  | -.00024 | -4.8971  | -.72523  |
| Int. Std. | Y_2243   | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S    | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2680.1   | 29755. | 3086.5  | 35.040   | 2723.7   |
| Stddev    | 5.7      | 116.   | 22.7    | .391     | 5.4      |
| %RSD      | .21291   | .38922 | .73504  | 1.1164   | .19825   |
| #1        | 2675.1   | 29782. | 3063.0  | 35.120   | 2721.7   |
| #2        | 2686.3   | 29856. | 3108.3  | 35.385   | 2729.8   |
| #3        | 2678.8   | 29629. | 3088.3  | 34.615   | 2719.5   |

Sample Name: K4277-14LX5      Acquired: 8/14/2019 22:58:11      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00417 | -.00223 | -.00002 | -.00225 | -.00160 | -.00208 | .01217 |
| Stddev | .00058 | .00038  | .00051  | .00160  | .00109  | .01175  | .00070 |
| %RSD   | 14.016 | 16.867  | 3242.4  | 71.137  | 68.593  | 564.62  | 5.7842 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00358 | -.00216 | .00056  | -.00392 | -.00207 | -.01557 | .01212 |
| #2 | .00418 | -.00263 | -.00021 | -.00210 | -.00034 | .00589  | .01289 |
| #3 | .00475 | -.00189 | -.00040 | -.00073 | -.00237 | .00343  | .01149 |

|        |        |         |        |         |         |         |        |
|--------|--------|---------|--------|---------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00005 | -.00003 | 2.2131 | -.00012 | -.00037 | -.00083 | .00104 |
| Stddev | .00005 | .00008  | .0208  | .00015  | .00011  | .00011  | .00027 |
| %RSD   | 102.64 | 320.92  | .94074 | 122.45  | 31.031  | 13.832  | 25.724 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | .00009  | .00007  | 2.2370 | -.00003 | -.00043 | -.00085 | .00109 |
| #2 | -.00001 | -.00010 | 2.1986 | -.00004 | -.00044 | -.00093 | .00075 |
| #3 | .00007  | -.00005 | 2.2037 | -.00029 | -.00024 | -.00071 | .00128 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00002 | .65130 | .00126 | -.00325 | 6.8331 | -.00051 | .00888 |
| Stddev | .00012 | .05827 | .00053 | .00012  | .0416  | .00076  | .00005 |
| %RSD   | 494.52 | 8.9459 | 41.751 | 3.5975  | .60848 | 149.21  | .56335 |

|    |         |        |        |         |        |         |        |
|----|---------|--------|--------|---------|--------|---------|--------|
| #1 | .00015  | .59962 | .00126 | -.00320 | 6.7976 | .00036  | .00893 |
| #2 | .00002  | .71445 | .00178 | -.00338 | 6.8229 | -.00083 | .00883 |
| #3 | -.00009 | .63984 | .00073 | -.00316 | 6.8789 | -.00105 | .00887 |

|        |        |        |         |        |        |         |         |
|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .59058 | .00033 | -.00829 | .49933 | .28152 | -.00145 | -.00074 |
| Stddev | .01557 | .00014 | .01634  | .00456 | .00743 | .00086  | .00111  |
| %RSD   | 2.6361 | 43.409 | 197.08  | .91397 | 2.6405 | 59.118  | 149.57  |

|    |        |        |         |        |        |         |         |
|----|--------|--------|---------|--------|--------|---------|---------|
| #1 | .59276 | .00016 | -.01295 | .49560 | .27740 | -.00048 | -.00200 |
| #2 | .60495 | .00040 | -.02180 | .50442 | .29010 | -.00176 | -.00029 |
| #3 | .57404 | .00042 | .00987  | .49799 | .27706 | -.00212 | .00007  |

Sample Name: K4277-14LX5      Acquired: 8/14/2019 22:58:11      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00147 | .0076  | .01625 | <.00000 | F<.00000 |
| Stddev | .00096 | .0005  | .00006 | .72889  | 3.1276   |
| %RSD   | 65.295 | 7.025  | .35804 | 15.832  | 241.45   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .00228 | .0076 | .01621 | -3.8804 | .55158  |
| #2 | .00171 | .0082 | .01632 | -5.3381 | -4.9064 |
| #3 | .00041 | .0071 | .01622 | -4.5932 | .46886  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2719.1 | 30377. | 3116.9 | 37.287 | 2806.0 |
| Stddev    | 1.1    | 34.    | 11.9   | .230   | 3.5    |
| %RSD      | .04150 | .11353 | .38253 | .61747 | .12306 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2718.2 | 30391. | 3119.2 | 37.475 | 2808.1 |
| #2 | 2720.4 | 30337. | 3103.9 | 37.355 | 2808.0 |
| #3 | 2718.8 | 30401. | 3127.5 | 37.030 | 2802.1 |

Sample Name: K4277-14MS      Acquired: 8/14/2019 23:02:40      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .78004 | 1.8691 | .95495 | 1.8679 | .80257 | 1.8927 | .27086 | .19546 |
| Stddev | .00515 | .0053  | .00495 | .0035  | .00540 | .0223  | .00105 | .00086 |
| %RSD   | .66018 | .28477 | .51792 | .18592 | .67262 | 1.1761 | .38733 | .43898 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .78454 | 1.8747 | .95887 | 1.8719 | .80616 | 1.8833 | .26979 | .19636 |
| #2 | .78117 | 1.8641 | .95658 | 1.8661 | .80520 | 1.9181 | .27189 | .19537 |
| #3 | .77443 | 1.8685 | .94939 | 1.8656 | .79637 | 1.8766 | .27091 | .19465 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18704 | 12.584 | .40464 | .19369 | .31225 | 3.1419 | .20494 | 5.0752 |
| Stddev | .00061 | .153   | .00207 | .00025 | .00054 | .0103  | .00031 | .1062  |
| %RSD   | .32872 | 1.2192 | .51069 | .13113 | .17403 | .32899 | .15165 | 2.0927 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18774 | 12.427 | .40305 | .19397 | .31284 | 3.1388 | .20482 | 5.1453 |
| #2 | .18681 | 12.733 | .40697 | .19349 | .31214 | 3.1534 | .20529 | 5.1274 |
| #3 | .18657 | 12.591 | .40389 | .19360 | .31177 | 3.1335 | .20470 | 4.9530 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .48061 | .06726 | 32.009 | .30476 | .21727 | 12.019 | .39785 | .27517 |
| Stddev | .00164 | .00115 | .253   | .00110 | .00053 | .059   | .00067 | .02183 |
| %RSD   | .34144 | 1.7117 | .79012 | .36205 | .24558 | .48976 | .16873 | 7.9335 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .48194 | .06753 | 31.722 | .30448 | .21782 | 12.010 | .39850 | .29795 |
| #2 | .47877 | .06825 | 32.199 | .30598 | .21675 | 12.082 | .39790 | .25443 |
| #3 | .48111 | .06599 | 32.106 | .30382 | .21724 | 11.965 | .39716 | .27312 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 2.5977 | 2.2971 | .66277 | .19495 | .11269 | 5.468  | .28919 | <.00000 |
| Stddev | .0068  | .0136  | .00331 | .00199 | .00072 | .028   | .00143 | .92288  |
| %RSD   | .26340 | .59393 | .49892 | 1.0225 | .63560 | .5158  | .49604 | 103.61  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | 2.6056 | 2.3106 | .66501 | .19414 | .11297 | 5.499 | .28763 | -1.8490 |
| #2 | 2.5937 | 2.2973 | .66433 | .19350 | .11322 | 5.443 | .29046 | -.81531 |
| #3 | 2.5939 | 2.2834 | .65897 | .19723 | .11188 | 5.462 | .28947 | -.00786 |

Sample Name: K4277-14MS      Acquired: 8/14/2019 23:02:40      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 6.5474 |
| Stddev | .9161  |
| %RSD   | 13.991 |

|    |        |
|----|--------|
| #1 | 6.8171 |
| #2 | 7.2983 |
| #3 | 5.5268 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2641.1 | 29716. | 3069.2 | 35.135 | 2656.8 |
| Stddev    | 7.4    | 106.   | 1.7    | .768   | 9.8    |
| %RSD      | .28136 | .35711 | .05562 | 2.1860 | .36920 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2634.2 | 29652. | 3067.7 | 35.964 | 2646.9 |
| #2 | 2649.0 | 29658. | 3071.0 | 34.447 | 2666.6 |
| #3 | 2640.2 | 29839. | 3068.7 | 34.993 | 2656.9 |

Sample Name: K4277-14MSD      Acquired: 8/14/2019 23:06:49      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .77580 | 1.8566 | .94535 | 1.8396 | .79401 | 1.8626 | .26447 | .19357  |
| Stddev | .00043 | .0063  | .00129 | .0051  | .00186 | .0174  | .00274 | .00062  |
| %RSD   | .05535 | .33884 | .13629 | .27714 | .23476 | .93628 | 1.0346 | .32173  |
| #1     | .77614 | 1.8576 | .94663 | 1.8401 | .79614 | 1.8511 | .26135 | .19420  |
| #2     | .77594 | 1.8499 | .94405 | 1.8343 | .79324 | 1.8827 | .26646 | .19357  |
| #3     | .77532 | 1.8623 | .94536 | 1.8445 | .79266 | 1.8540 | .26561 | .19295  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .18576 | 12.088 | .40052 | .19197 | .31149 | 3.1032 | .20276 | 4.9516  |
| Stddev | .00048 | .032   | .00179 | .00048 | .00051 | .0062  | .00038 | .1167   |
| %RSD   | .25918 | .26428 | .44687 | .24993 | .16238 | .20029 | .18839 | 2.3562  |
| #1     | .18615 | 12.073 | .39862 | .19223 | .31161 | 3.1103 | .20313 | 4.8574  |
| #2     | .18589 | 12.066 | .40217 | .19142 | .31094 | 3.1003 | .20278 | 4.9153  |
| #3     | .18522 | 12.124 | .40076 | .19227 | .31193 | 3.0989 | .20237 | 5.0821  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .47629 | .06623 | 30.569 | .30097 | .21267 | 11.813 | .39510 | .26931  |
| Stddev | .00107 | .00057 | .169   | .00105 | .00053 | .134   | .00015 | .01530  |
| %RSD   | .22559 | .86720 | .55400 | .34929 | .25053 | 1.1318 | .03691 | 5.6820  |
| #1     | .47747 | .06610 | 30.384 | .30080 | .21324 | 11.659 | .39526 | .27469  |
| #2     | .47604 | .06686 | 30.716 | .30210 | .21218 | 11.891 | .39497 | .28120  |
| #3     | .47537 | .06573 | 30.608 | .30002 | .21260 | 11.889 | .39509 | .25205  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 2.4603 | 2.2246 | .65609 | .19615 | .11048 | 5.403  | .28420 | <.00000 |
| Stddev | .0125  | .0096  | .00221 | .00417 | .00152 | .004   | .00136 | .27111  |
| %RSD   | .50698 | .43231 | .33624 | 2.1250 | 1.3784 | .0819  | .47911 | 13.704  |
| #1     | 2.4740 | 2.2355 | .65806 | .20027 | .10928 | 5.404  | .28316 | -1.9422 |
| #2     | 2.4496 | 2.2176 | .65651 | .19194 | .10998 | 5.399  | .28370 | -1.7271 |
| #3     | 2.4573 | 2.2205 | .65371 | .19625 | .11220 | 5.408  | .28574 | -2.2657 |

Sample Name: K4277-14MSD      Acquired: 8/14/2019 23:06:49      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.8425 |
| Stddev | 3.9344 |
| %RSD   | 67.341 |

|    |        |
|----|--------|
| #1 | 3.0321 |
| #2 | 4.1565 |
| #3 | 10.339 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2654.1 | 29909. | 3075.7 | 35.684 | 2675.1 |
| Stddev    | 16.6   | 93.    | 28.0   | 1.518  | 15.0   |
| %RSD      | .62606 | .31131 | .91103 | 4.2542 | .55896 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2640.9 | 29814. | 3044.3 | 36.388 | 2663.1 |
| #2 | 2648.6 | 29914. | 3098.1 | 36.722 | 2670.4 |
| #3 | 2672.7 | 30000. | 3084.6 | 33.941 | 2691.9 |

Sample Name: K4277-14A      Acquired: 8/14/2019 23:10:58      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | .76984 | 1.8468 | .94495 | 1.8360 | .78846 | 1.8717 | .26360 | .19253  |
| Stddev | .00206 | .0033  | .00133 | .0049  | .00205 | .0413  | .00430 | .00035  |
| %RSD   | .26809 | .17763 | .14090 | .26797 | .25974 | 2.2054 | 1.6313 | .18125  |
| #1     | .76844 | 1.8506 | .94646 | 1.8413 | .78616 | 1.8317 | .25867 | .19259  |
| #2     | .77221 | 1.8446 | .94392 | 1.8316 | .79010 | 1.9142 | .26559 | .19285  |
| #3     | .76887 | 1.8453 | .94449 | 1.8351 | .78911 | 1.8693 | .26655 | .19216  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .18492 | 11.912 | .40304 | .19184 | .31097 | 3.1023 | .20221 | 4.9419  |
| Stddev | .00010 | .027   | .00122 | .00116 | .00102 | .0106  | .00008 | .0628   |
| %RSD   | .05576 | .22441 | .30150 | .60721 | .32903 | .34174 | .04203 | 1.2716  |
| #1     | .18502 | 11.938 | .40164 | .19230 | .31208 | 3.0923 | .20217 | 4.9525  |
| #2     | .18481 | 11.913 | .40382 | .19270 | .31006 | 3.1134 | .20231 | 4.9988  |
| #3     | .18492 | 11.884 | .40366 | .19051 | .31076 | 3.1011 | .20216 | 4.8744  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .47485 | .06610 | 30.499 | .30233 | .21102 | 11.834 | .39421 | .28643  |
| Stddev | .00167 | .00115 | .294   | .00220 | .00062 | .064   | .00127 | .00713  |
| %RSD   | .35213 | 1.7327 | .96444 | .72766 | .29512 | .54150 | .32135 | 2.4885  |
| #1     | .47677 | .06684 | 30.162 | .30059 | .21107 | 11.761 | .39326 | .29412  |
| #2     | .47395 | .06479 | 30.639 | .30160 | .21161 | 11.857 | .39565 | .28005  |
| #3     | .47382 | .06668 | 30.698 | .30480 | .21037 | 11.883 | .39372 | .28513  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 2.4271 | 2.2192 | .65378 | .19380 | .11144 | 5.371  | .28379 | <.00000 |
| Stddev | .0155  | .0149  | .00052 | .00131 | .00051 | .018   | .00043 | 1.0346  |
| %RSD   | .63775 | .67117 | .08019 | .67607 | .45454 | .3290  | .15170 | 36.395  |
| #1     | 2.4449 | 2.2361 | .65436 | .19523 | .11166 | 5.391  | .28380 | -1.6708 |
| #2     | 2.4198 | 2.2138 | .65367 | .19267 | .11180 | 5.363  | .28422 | -3.6296 |
| #3     | 2.4166 | 2.2078 | .65332 | .19348 | .11086 | 5.359  | .28336 | -3.2280 |



Sample Name: K4277-14A      Acquired: 8/14/2019 23:10:58      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 6.4985 |
| Stddev | 2.4650 |
| %RSD   | 37.932 |

|    |        |
|----|--------|
| #1 | 4.6500 |
| #2 | 5.5484 |
| #3 | 9.2971 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2632.6 | 29713. | 3063.1 | 36.598 | 2656.3 |
| Stddev    | 3.1    | 118.   | 18.6   | .476   | 5.1    |
| %RSD      | .11602 | .39817 | .60782 | 1.3008 | .19379 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2631.0 | 29830. | 3043.5 | 36.128 | 2650.9 |
| #2 | 2636.1 | 29594. | 3065.3 | 37.080 | 2657.1 |
| #3 | 2630.7 | 29715. | 3080.5 | 36.585 | 2661.1 |

Sample Name: K4324-10      Acquired: 8/14/2019 23:15:06      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-F1-(0-4)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00611 | -.00223 | .01182 | -.00057 | -.00029 | .41450 | .15520 |
| Stddev | .00013 | .00053  | .00067 | .00379  | .00071  | .00081 | .00084 |
| %RSD   | 2.0696 | 23.520  | 5.6954 | 659.77  | 243.12  | .19639 | .54072 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00618 | -.00281 | .01134 | -.00415 | .00052  | .41363 | .15444 |
| #2 | .00619 | -.00212 | .01154 | -.00097 | -.00060 | .41465 | .15506 |
| #3 | .00597 | -.00177 | .01259 | .00340  | -.00080 | .41523 | .15610 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00010 | .00051 | 24.515 | .00067 | .00090 | .01191 | .69948 |
| Stddev | .00003 | .00011 | .144   | .00042 | .00015 | .00027 | .00251 |
| %RSD   | 29.095 | 20.789 | .58788 | 62.888 | 16.618 | 2.2717 | .35821 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00010 | .00046 | 24.368 | .00087 | .00080 | .01222 | .69798 |
| #2 | .00013 | .00063 | 24.656 | .00097 | .00082 | .01171 | .70237 |
| #3 | .00007 | .00044 | 24.520 | .00019 | .00107 | .01182 | .69809 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .11509 | 1.6709 | .00420 | -.00279 | 227.33 | -.00008 | .05377 |
| Stddev | .00015 | .0808  | .00073 | .00062  | .62    | .00045  | .00025 |
| %RSD   | .12982 | 4.8356 | 17.364 | 22.189  | .27222 | 577.34  | .46638 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .11523 | 1.6308 | .00477 | -.00326 | 226.64 | .00042  | .05352 |
| #2 | .11512 | 1.6179 | .00445 | -.00209 | 227.52 | -.00018 | .05376 |
| #3 | .11493 | 1.7639 | .00338 | -.00302 | 227.84 | -.00048 | .05402 |

|        |        |        |         |        |        |         |        |
|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .86463 | .00014 | -.00554 | .11288 | .85215 | -.00067 | .02439 |
| Stddev | .01729 | .00020 | .01453  | .00415 | .01122 | .00104  | .00227 |
| %RSD   | 1.9993 | 150.73 | 262.20  | 3.6807 | 1.3163 | 154.92  | 9.3078 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | .85396 | .00016  | -.00352 | .11364 | .84906 | .00051  | .02537 |
| #2 | .88458 | -.00008 | .00787  | .11659 | .86458 | -.00109 | .02179 |
| #3 | .85537 | .00033  | -.02097 | .10839 | .84280 | -.00144 | .02600 |

Sample Name: K4324-10      Acquired: 8/14/2019 23:15:06      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: T8-F1-(0-4)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00634 | .0353  | .04053 | <.00000 | F<.00000 |
| Stddev | .00137 | .0006  | .00027 | 1.2122  | 2.1162   |
| %RSD   | 21.663 | 1.639  | .67211 | 47.453  | 17.880   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .00664 | .0351 | .04023 | -3.1843 | -9.8460 |
| #2 | .00754 | .0349 | .04076 | -3.3224 | -11.602 |
| #3 | .00484 | .0360 | .04059 | -1.1571 | -14.059 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2612.0 | 29291. | 3075.3 | 33.989 | 2525.6 |
| Stddev    | 13.6   | 33.    | 8.9    | .826   | 11.2   |
| %RSD      | .51901 | .11312 | .28782 | 2.4312 | .44497 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2625.5 | 29326. | 3084.3 | 34.904 | 2534.7 |
| #2 | 2612.2 | 29260. | 3066.6 | 33.763 | 2529.1 |
| #3 | 2598.3 | 29288. | 3075.0 | 33.298 | 2513.1 |

Sample Name: K4324-10DUP      Acquired: 8/14/2019 23:19:32      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-F1-(0-4)D      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00378 | -.00060 | .01112 | -.00212 | -.00121 | .42802 | .15689 |
| Stddev | .00480 | .00126  | .00063 | .00397  | .00095  | .01158 | .00147 |
| %RSD   | 127.11 | 210.78  | 5.7006 | 187.01  | 78.246  | 2.7047 | .93937 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00006 | .00084  | .01172 | .00024  | -.00020 | .44064 | .15580 |
| #2 | .00916  | -.00117 | .01117 | -.00670 | -.00208 | .41790 | .15631 |
| #3 | .00223  | -.00146 | .01046 | .00010  | -.00135 | .42551 | .15857 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00007 | .00057 | 24.724 | .00087 | .00107 | .01140 | .70482 |
| Stddev | .00005 | .00003 | .058   | .00031 | .00026 | .00046 | .00175 |
| %RSD   | 71.342 | 5.0609 | .23457 | 35.778 | 24.106 | 3.9998 | .24770 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00013 | .00054 | 24.657 | .00123 | .00120 | .01131 | .70682 |
| #2 | .00003 | .00059 | 24.758 | .00076 | .00123 | .01099 | .70366 |
| #3 | .00006 | .00058 | 24.756 | .00064 | .00077 | .01189 | .70397 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .11638 | 1.6187 | .00324 | -.00293 | 226.53 | .00084 | .05424 |
| Stddev | .00053 | .1035  | .00054 | .00068  | 1.02   | .00030 | .00017 |
| %RSD   | .45581 | 6.3911 | 16.599 | 23.214  | .45085 | 36.099 | .31666 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .11635 | 1.6997 | .00270 | -.00366 | 225.35 | .00103 | .05419 |
| #2 | .11693 | 1.5021 | .00324 | -.00281 | 227.03 | .00098 | .05409 |
| #3 | .11587 | 1.6542 | .00378 | -.00231 | 227.20 | .00049 | .05443 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .89159 | -.00021 | -.02256 | .11141 | .85657 | .00077 | .02457 |
| Stddev | .01615 | .00034  | .01885  | .00201 | .00266 | .00047 | .00248 |
| %RSD   | 1.8118 | 163.23  | 83.574  | 1.8077 | .31000 | 61.013 | 10.082 |

|    |        |         |         |        |        |        |        |
|----|--------|---------|---------|--------|--------|--------|--------|
| #1 | .88401 | -.00016 | -.03606 | .11005 | .85360 | .00102 | .02205 |
| #2 | .91015 | -.00056 | -.00102 | .11372 | .85741 | .00023 | .02700 |
| #3 | .88063 | .00011  | -.03061 | .11045 | .85870 | .00106 | .02467 |

Sample Name: K4324-10DUP      Acquired: 8/14/2019 23:19:32      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-F1-(0-4)D      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00724 | .0338  | .04059 | <.00000 | F<.00000 |
| Stddev    | .00035 | .0018  | .00028 | .88025  | .68991   |
| %RSD      | 4.7759 | 5.434  | .68014 | 85.132  | 7.3476   |
| #1        | .00698 | .0344  | .04027 | -.01785 | -8.7363  |
| #2        | .00763 | .0318  | .04078 | -1.5213 | -10.111  |
| #3        | .00711 | .0353  | .04071 | -1.5629 | -9.3215  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2607.2 | 29173. | 3063.0 | 34.731  | 2524.8   |
| Stddev    | 4.5    | 94.    | 14.9   | .620    | 4.3      |
| %RSD      | .17447 | .32114 | .48497 | 1.7853  | .17044   |
| #1        | 2610.6 | 29068. | 3051.6 | 35.078  | 2528.9   |
| #2        | 2609.0 | 29249. | 3057.6 | 35.100  | 2525.4   |
| #3        | 2602.0 | 29202. | 3079.8 | 34.015  | 2520.3   |

Sample Name: K4324-10LX5      Acquired: 8/14/2019 23:23:58      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00678 | -.00124 | .00305 | -.00469 | -.00102 | .07448 | .03177 |
| Stddev | .00458 | .00101  | .00199 | .00437  | .00152  | .01168 | .00153 |
| %RSD   | 67.531 | 81.489  | 65.424 | 93.170  | 149.06  | 15.683 | 4.8048 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00675 | -.00035 | .00077 | .00031  | .00054  | .06424 | .03065 |
| #2 | .00222 | -.00234 | .00447 | -.00779 | -.00251 | .07201 | .03115 |
| #3 | .01137 | -.00104 | .00391 | -.00659 | -.00110 | .08721 | .03351 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00001 | .00008 | 5.0316 | -.00030 | .00030 | .00274 | .14777 |
| Stddev | .00003 | .00010 | .0333  | .00029  | .00031 | .00051 | .00049 |
| %RSD   | 280.22 | 130.28 | .66233 | 97.164  | 101.34 | 18.607 | .33465 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00001 | .00012  | 4.9970 | -.00044 | -.00004 | .00271 | .14785 |
| #2 | .00005  | .00015  | 5.0343 | .00004  | .00041  | .00225 | .14822 |
| #3 | .00000  | -.00004 | 5.0635 | -.00049 | .00053  | .00327 | .14724 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02417 | .33915 | .00132 | -.00358 | 46.991 | .00003 | .01026 |
| Stddev | .00008 | .02926 | .00019 | .00060  | .428   | .00040 | .00011 |
| %RSD   | .34468 | 8.6272 | 14.130 | 16.849  | .91158 | 1524.3 | 1.1026 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .02426 | .31648 | .00116 | -.00347 | 46.679 | .00031  | .01026 |
| #2 | .02411 | .37218 | .00152 | -.00423 | 46.814 | .00021  | .01037 |
| #3 | .02413 | .32880 | .00127 | -.00304 | 47.479 | -.00044 | .01014 |

|        |        |         |         |        |        |         |        |
|--------|--------|---------|---------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .35118 | -.00012 | -.02256 | .01272 | .17890 | -.00027 | .00664 |
| Stddev | .03003 | .00051  | .01093  | .00321 | .00344 | .00040  | .00357 |
| %RSD   | 8.5510 | 443.21  | 48.450  | 25.213 | 1.9215 | 150.01  | 53.827 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | .34775 | .00018  | -.02662 | .01140 | .18102 | -.00068 | .00252 |
| #2 | .38277 | -.00071 | -.03087 | .01039 | .18075 | .00013  | .00852 |
| #3 | .32301 | .00018  | -.01018 | .01638 | .17493 | -.00025 | .00888 |

Sample Name: K4324-10LX5      Acquired: 8/14/2019 23:23:58      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: PBW      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00491 | .0072  | .00820 | <.00000 | F<.00000 |
| Stddev | .00074 | .0013  | .00009 | .83135  | 2.2236   |
| %RSD   | 15.036 | 18.36  | 1.1297 | 34.013  | 37.461   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .00573 | .0086 | .00810 | -2.7182 | -8.5034 |
| #2 | .00430 | .0068 | .00821 | -1.5104 | -4.6704 |
| #3 | .00469 | .0060 | .00829 | -3.1039 | -4.6337 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2656.0 | 29689. | 3075.4 | 35.564 | 2656.1 |
| Stddev    | 5.1    | 74.    | 25.8   | .773   | 5.5    |
| %RSD      | .19351 | .24967 | .83960 | 2.1748 | .20588 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2656.5 | 29604. | 3047.0 | 34.951 | 2656.8 |
| #2 | 2661.0 | 29736. | 3081.7 | 35.308 | 2661.3 |
| #3 | 2650.7 | 29728. | 3097.4 | 36.433 | 2650.4 |

Sample Name: K4324-10MS      Acquired: 8/14/2019 23:28:27      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-F1-(0-4)M      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .79179 | 1.8673 | .98657 | 1.9255 | .75797 | 2.3414 | .36862 |
| Stddev | .00134 | .0050  | .00295 | .0011  | .00197 | .0115  | .00269 |
| %RSD   | .16888 | .26783 | .29861 | .05623 | .25933 | .48954 | .73034 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .79026 | 1.8615 | .98382 | 1.9259 | .75849 | 2.3282 | .36662 |
| #2 | .79275 | 1.8695 | .98968 | 1.9264 | .75962 | 2.3472 | .36755 |
| #3 | .79235 | 1.8708 | .98621 | 1.9243 | .75579 | 2.3489 | .37168 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19744 | .19552 | 26.788 | .40009 | .19815 | .31982 | 3.6965 |
| Stddev | .00063 | .00043 | .157   | .00252 | .00040 | .00163 | .0170  |
| %RSD   | .32116 | .22104 | .58432 | .63029 | .20338 | .51072 | .46098 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19683 | .19598 | 26.609 | .39904 | .19789 | .32114 | 3.6883 |
| #2 | .19738 | .19544 | 26.898 | .39827 | .19861 | .32033 | 3.6851 |
| #3 | .19810 | .19513 | 26.858 | .40297 | .19794 | .31800 | 3.7161 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .31569 | 3.7356 | .49224 | .06781 | 238.39 | .30636 | .25451 |
| Stddev | .00201 | .0477  | .00185 | .00059 | 2.12   | .00100 | .00065 |
| %RSD   | .63534 | 1.2767 | .37578 | .87208 | .88956 | .32759 | .25384 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .31384 | 3.7044 | .49228 | .06722 | 236.94 | .30559 | .25503 |
| #2 | .31540 | 3.7905 | .49407 | .06779 | 237.41 | .30598 | .25473 |
| #3 | .31782 | 3.7119 | .49037 | .06841 | 240.83 | .30749 | .25379 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.999 | .37985 | .25638 | .11206 | 1.7206 | .64679 | .20696 |
| Stddev | .161   | .00125 | .00662 | .00811 | .0183  | .00153 | .00154 |
| %RSD   | 1.4654 | .32832 | 2.5807 | 7.2370 | 1.0610 | .23584 | .74277 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.905 | .38120 | .24941 | .11833 | 1.7163 | .64800 | .20870 |
| #2 | 10.907 | .37962 | .25714 | .10291 | 1.7406 | .64730 | .20579 |
| #3 | 11.185 | .37873 | .26258 | .11496 | 1.7048 | .64508 | .20639 |



Sample Name: K4324-10MS      Acquired: 8/14/2019 23:28:27      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-F1-(0-4)M      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .11408 | 5.867  | .24789 | <.00000 | F<.00000 |
| Stddev    | .00223 | .009   | .00119 | .77972  | 2.1169   |
| %RSD      | 1.9558 | .1508  | .48036 | 53.398  | 100.33   |
| #1        | .11394 | 5.868  | .24652 | -1.4593 | -.28447  |
| #2        | .11193 | 5.876  | .24852 | -2.2404 | -1.6150  |
| #3        | .11638 | 5.859  | .24864 | -.68091 | -4.4305  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2589.1 | 29052. | 3039.6 | 35.658  | 2495.9   |
| Stddev    | 10.2   | 83.    | 22.1   | .452    | 7.8      |
| %RSD      | .39553 | .28532 | .72724 | 1.2685  | .31320   |
| #1        | 2579.3 | 29039. | 3031.7 | 36.177  | 2489.8   |
| #2        | 2588.2 | 29141. | 3022.5 | 35.450  | 2493.2   |
| #3        | 2599.8 | 28977. | 3064.5 | 35.346  | 2504.7   |

Sample Name: K4324-10MSD      Acquired: 8/14/2019 23:32:36      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-F1-(0-4)M      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .78443 | 1.8396 | .97582 | 1.9099 | .76583 | 2.3459 | .37050 | .19600  |
| Stddev | .00600 | .0031  | .00636 | .0055  | .00325 | .0167  | .00498 | .00050  |
| %RSD   | .76506 | .16706 | .65225 | .28865 | .42434 | .70971 | 1.3454 | .25645  |
| #1     | .77870 | 1.8428 | .97527 | 1.9158 | .76860 | 2.3331 | .36544 | .19642  |
| #2     | .79067 | 1.8366 | .96974 | 1.9048 | .76226 | 2.3399 | .37065 | .19615  |
| #3     | .78393 | 1.8394 | .98244 | 1.9092 | .76663 | 2.3647 | .37541 | .19545  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .19392 | 27.596 | .40069 | .19593 | .31647 | 3.7201 | .31715 | 3.7364  |
| Stddev | .00053 | .168   | .00166 | .00063 | .00156 | .0157  | .00064 | .1160   |
| %RSD   | .27149 | .60838 | .41431 | .32344 | .49436 | .42069 | .20235 | 3.1050  |
| #1     | .19428 | 27.437 | .40185 | .19623 | .31682 | 3.7348 | .31727 | 3.6150  |
| #2     | .19332 | 27.581 | .40142 | .19520 | .31476 | 3.7219 | .31772 | 3.7478  |
| #3     | .19417 | 27.771 | .39879 | .19635 | .31784 | 3.7036 | .31646 | 3.8462  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .48723 | .06649 | 244.97 | .30567 | .25353 | 10.990 | .38435 | .27196  |
| Stddev | .00170 | .00036 | 1.28   | .00051 | .00059 | .078   | .00074 | .02664  |
| %RSD   | .34954 | .53465 | .52183 | .16567 | .23448 | .70842 | .19364 | 9.7944  |
| #1     | .48760 | .06669 | 243.53 | .30625 | .25413 | 10.923 | .38456 | .29675  |
| #2     | .48537 | .06671 | 245.45 | .30532 | .25294 | 11.076 | .38353 | .27533  |
| #3     | .48872 | .06608 | 245.95 | .30544 | .25354 | 10.972 | .38497 | .24380  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .11612 | 1.7658 | .65374 | .21454 | .11456 | 5.817  | .24938 | <.00000 |
| Stddev | .00322 | .0214  | .00554 | .00466 | .00090 | .024   | .00118 | .72831  |
| %RSD   | 2.7719 | 1.2111 | .84760 | 2.1736 | .78549 | .4101  | .47514 | 28.774  |
| #1     | .11359 | 1.7668 | .65950 | .21037 | .11511 | 5.841  | .24828 | -2.1326 |
| #2     | .11974 | 1.7867 | .64845 | .21957 | .11505 | 5.794  | .24921 | -3.3717 |
| #3     | .11502 | 1.7440 | .65327 | .21368 | .11352 | 5.817  | .25064 | -2.0891 |

Sample Name: K4324-10MSD      Acquired: 8/14/2019 23:32:36      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-F1-(0-4)M Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .62815 |
| Stddev | 1.2634 |
| %RSD   | 201.13 |

|    |         |
|----|---------|
| #1 | .64572  |
| #2 | 1.8827  |
| #3 | -.64392 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2593.1 | 29062. | 3015.5 | 34.419 | 2502.0 |
| Stddev    | 10.1   | 78.    | 16.7   | 1.036  | 11.4   |
| %RSD      | .39006 | .26942 | .55502 | 3.0094 | .45441 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2585.5 | 28982. | 2999.6 | 34.643 | 2494.1 |
| #2 | 2604.6 | 29064. | 3013.9 | 33.290 | 2515.0 |
| #3 | 2589.2 | 29139. | 3033.0 | 35.325 | 2496.9 |

Sample Name: K4324-10A      Acquired: 8/14/2019 23:36:45      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .79277 | 1.8566 | .98121 | 1.9123 | .76347 | 2.3441 | .36863 |
| Stddev | .00482 | .0102  | .00256 | .0043  | .00223 | .0330  | .00128 |
| %RSD   | .60750 | .55012 | .26120 | .22668 | .29178 | 1.4075 | .34792 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .79045 | 1.8676 | .98002 | 1.9126 | .76448 | 2.3120 | .36768 |
| #2 | .79831 | 1.8475 | .97946 | 1.9079 | .76501 | 2.3425 | .36813 |
| #3 | .78956 | 1.8546 | .98415 | 1.9165 | .76091 | 2.3779 | .37009 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19701 | .19454 | 27.237 | .39677 | .19779 | .31830 | 3.7100 |
| Stddev | .00033 | .00012 | .126   | .00212 | .00106 | .00039 | .0022  |
| %RSD   | .16498 | .06092 | .46307 | .53340 | .53408 | .12318 | .05964 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19735 | .19467 | 27.092 | .39885 | .19679 | .31805 | 3.7118 |
| #2 | .19671 | .19444 | 27.312 | .39462 | .19890 | .31875 | 3.7075 |
| #3 | .19695 | .19452 | 27.308 | .39686 | .19769 | .31810 | 3.7105 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .31630 | 3.7135 | .48820 | .06693 | 241.87 | .30598 | .25430 |
| Stddev | .00029 | .0895  | .00098 | .00107 | .73    | .00107 | .00028 |
| %RSD   | .09043 | 2.4110 | .20018 | 1.5939 | .30198 | .34899 | .10902 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .31649 | 3.7420 | .48723 | .06768 | 241.36 | .30476 | .25456 |
| #2 | .31644 | 3.7852 | .48919 | .06571 | 242.71 | .30646 | .25401 |
| #3 | .31597 | 3.6132 | .48817 | .06741 | 241.54 | .30673 | .25433 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.854 | .38471 | .25594 | .11339 | 1.7430 | .65629 | .21335 |
| Stddev | .060   | .00157 | .01738 | .00069 | .0065  | .00319 | .00234 |
| %RSD   | .55421 | .40892 | 6.7920 | .61030 | .37042 | .48652 | 1.0975 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.801 | .38555 | .26863 | .11400 | 1.7392 | .65465 | .21238 |
| #2 | 10.919 | .38289 | .23612 | .11264 | 1.7504 | .65425 | .21166 |
| #3 | 10.841 | .38568 | .26306 | .11352 | 1.7393 | .65997 | .21603 |

Sample Name: K4324-10A      Acquired: 8/14/2019 23:36:45      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .11532 | 5.828  | .24711 | <.00000 | F<.00000 |
| Stddev    | .00154 | .009   | .00136 | .87925  | 2.7307   |
| %RSD      | 1.3323 | .1451  | .55055 | 221.09  | 227.34   |
| #1        | .11428 | 5.820  | .24592 | -.73126 | -3.8754  |
| #2        | .11709 | 5.828  | .24681 | .59954  | 1.5827   |
| #3        | .11460 | 5.837  | .24859 | -1.0613 | -1.3107  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2576.1 | 29043. | 3024.5 | 33.888  | 2483.5   |
| Stddev    | 11.1   | 102.   | 9.6    | 1.350   | 9.8      |
| %RSD      | .42939 | .35152 | .31749 | 3.9850  | .39659   |
| #1        | 2574.3 | 28993. | 3017.8 | 32.521  | 2480.2   |
| #2        | 2588.0 | 28975. | 3020.2 | 35.221  | 2494.5   |
| #3        | 2566.1 | 29160. | 3035.5 | 33.921  | 2475.6   |

Sample Name: CCV11      Acquired: 8/14/2019 23:40:55      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      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    | 5.0648 | 4.8995 | 5.0065 | 4.9739 | 5.0048   | 9.3736 | 9.7536 | .25423   |
| Stddev | .0082  | .0025  | .0126  | .0111  | .0123    | .0610  | .0420  | .00022   |
| %RSD   | .16239 | .05086 | .25065 | .22283 | .24510   | .65056 | .43070 | .08479   |
| #1     | 5.0694 | 4.9017 | 4.9982 | 4.9736 | 5.0066   | 9.3369 | 9.7224 | .25401   |
| #2     | 5.0553 | 4.9001 | 5.0004 | 4.9629 | 4.9917   | 9.3400 | 9.7371 | .25424   |
| #3     | 5.0697 | 4.8968 | 5.0210 | 4.9851 | 5.0160   | 9.4440 | 9.8014 | .25444   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.4790 | 24.780 | .98788 | 2.4757 | 1.2708   | 5.0965 | 2.5101 | 24.241   |
| Stddev | .0047  | .147   | .00336 | .0026  | .0069    | .0070  | .0023  | .255     |
| %RSD   | .18897 | .59485 | .34038 | .10490 | .54703   | .13712 | .09274 | 1.0513   |
| #1     | 2.4754 | 24.625 | .99064 | 2.4785 | 1.2765   | 5.1029 | 2.5096 | 24.039   |
| #2     | 2.4774 | 24.796 | .98413 | 2.4734 | 1.2631   | 5.0890 | 2.5082 | 24.157   |
| #3     | 2.4843 | 24.919 | .98887 | 2.4752 | 1.2730   | 5.0977 | 2.5127 | 24.527   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.4520 | 1.2309 | 24.501 | 2.4531 | 2.4757   | 23.877 | 4.9824 | 4.5878   |
| Stddev | .0046  | .0027  | .044   | .0060  | .0027    | .118   | .0050  | .0847    |
| %RSD   | .18848 | .21648 | .17989 | .24588 | .10856   | .49546 | .10085 | 1.8461   |
| #1     | 2.4506 | 1.2300 | 24.520 | 2.4566 | 2.4767   | 23.859 | 4.9880 | 4.5062   |
| #2     | 2.4483 | 1.2289 | 24.451 | 2.4461 | 2.4726   | 23.768 | 4.9782 | 4.5818   |
| #3     | 2.4572 | 1.2340 | 24.532 | 2.4565 | 2.4777   | 24.003 | 4.9809 | 4.6753   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 4.8391 | 5.0916 | 4.9076 | 4.9030 | F 3.7459 | 4.820  | 5.0209 | F .16833 |
| Stddev | .0188  | .0133  | .0074  | .0308  | .0166    | .007   | .0152  | .14233   |
| %RSD   | .38909 | .26046 | .15035 | .62906 | .44412   | .1516  | .30285 | 84.553   |
| #1     | 4.8561 | 5.0952 | 4.9135 | 4.8674 | 3.7310   | 4.811  | 5.0050 | .00696   |
| #2     | 4.8188 | 5.1027 | 4.8993 | 4.9219 | 3.7639   | 4.824  | 5.0353 | .27599   |
| #3     | 4.8423 | 5.0769 | 4.9101 | 4.9197 | 3.7427   | 4.824  | 5.0224 | .22205   |

Sample Name: CCV11      Acquired: 8/14/2019 23:40:55      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 2.1080  
 Stddev      3.0700  
 %RSD      145.64

#1      -.28320  
 #2      5.5700  
 #3      1.0372

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2625.4 | 29826. | 3053.5 | 34.425 | 2510.9 |
| Stddev    | 7.2    | 151.   | 17.0   | 1.414  | 5.6    |
| %RSD      | .27323 | .50597 | .55811 | 4.1084 | .22189 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2618.1 | 29666. | 3036.7 | 33.749 | 2507.7 |
| #2 | 2632.5 | 29965. | 3053.0 | 33.475 | 2517.3 |
| #3 | 2625.7 | 29849. | 3070.8 | 36.050 | 2507.6 |

Sample Name: CCB11      Acquired: 8/14/2019 23:44:55      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |         |         |
|--------|----------|---------|---------|---------|---------|---------|---------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | F .00629 | -.00098 | -.00024 | -.00541 | -.00175 | -.03368 | -.00054 |
| Stddev | .00109   | .00149  | .00059  | .00152  | .00219  | .00283  | .00029  |
| %RSD   | 17.313   | 152.02  | 240.65  | 28.027  | 124.77  | 8.3986  | 53.514  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00675 | -.00023 | .00038  | -.00581 | -.00318 | -.03450 | -.00047 |
| #2 | .00707 | -.00001 | -.00079 | -.00374 | .00077  | -.03053 | -.00086 |
| #3 | .00504 | -.00269 | -.00033 | -.00670 | -.00285 | -.03601 | -.00029 |

|        |        |        |         |         |        |        |         |
|--------|--------|--------|---------|---------|--------|--------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00003 | .00000 | -.02566 | -.00064 | .00005 | .00054 | -.00018 |
| Stddev | .00006 | .00015 | .00522  | .00041  | .00036 | .00070 | .00166  |
| %RSD   | 235.68 | 12650. | 20.359  | 64.357  | 788.49 | 130.55 | 927.41  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00010  | -.00010 | -.02124 | -.00104 | .00010  | .00005 | .00150  |
| #2 | .00000  | .00017  | -.02431 | -.00022 | -.00034 | .00022 | -.00021 |
| #3 | -.00002 | -.00007 | -.03142 | -.00066 | .00038  | .00134 | -.00182 |

|        |         |        |        |         |          |         |         |
|--------|---------|--------|--------|---------|----------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895   | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm      | ppm     | ppm     |
| Avg    | -.00015 | .00677 | .00098 | -.00318 | F 1.2077 | -.00086 | -.00071 |
| Stddev | .00004  | .04059 | .00027 | .00081  | .0099    | .00074  | .00015  |
| %RSD   | 29.079  | 599.34 | 28.073 | 25.523  | .81814   | 86.337  | 20.571  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00010 | -.02126 | .00119 | -.00339 | 1.1988 | -.00022 | -.00059 |
| #2 | -.00018 | -.01174 | .00067 | -.00386 | 1.2184 | -.00168 | -.00087 |
| #3 | -.00016 | .05332  | .00108 | -.00228 | 1.2060 | -.00068 | -.00066 |

|        |        |        |         |         |        |         |        |
|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .21940 | .00126 | -.02288 | -.00485 | .00186 | -.00013 | .00130 |
| Stddev | .09514 | .00039 | .01041  | .00101  | .00156 | .00042  | .00092 |
| %RSD   | 43.363 | 31.207 | 45.480  | 20.736  | 84.160 | 334.89  | 70.470 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .25507 | .00167 | -.02816 | -.00369 | .00067 | .00021  | .00058 |
| #2 | .11158 | .00121 | -.01090 | -.00543 | .00127 | .00001  | .00234 |
| #3 | .29154 | .00089 | -.02960 | -.00543 | .00363 | -.00060 | .00100 |



Sample Name: CCB11      Acquired: 8/14/2019 23:44:55      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |          |          |
|--------|----------|--------|--------|----------|----------|
| Elem   | Li6707   | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm      |
| Avg    | F .00589 | .0012  | .00009 | F<.00000 | F<.00000 |
| Stddev | .00117   | .0009  | .00007 | .55008   | 1.4512   |
| %RSD   | 19.809   | 77.18  | 73.557 | 13.926   | 47.668   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .00557 | .0022 | .00002 | -4.5851 | -4.5714 |
| #2 | .00492 | .0009 | .00010 | -3.6241 | -2.8782 |
| #3 | .00719 | .0005 | .00016 | -3.6408 | -1.6834 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2674.7 | 29865. | 3065.9 | 35.793 | 2723.4 |
| Stddev    | 4.9    | 59.    | 16.1   | .541   | 5.5    |
| %RSD      | .18178 | .19728 | .52386 | 1.5121 | .20102 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2674.0 | 29804. | 3050.7 | 35.920 | 2720.9 |
| #2 | 2679.8 | 29870. | 3082.7 | 35.200 | 2729.7 |
| #3 | 2670.2 | 29921. | 3064.3 | 36.260 | 2719.6 |

Sample Name: K4324-13      Acquired: 8/14/2019 23:49:24      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-E1-(0-4)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00118 | -.00334 | .02366 | -.00445 | -.00091 | .00223 | .21438 |
| Stddev | .00201 | .00171  | .00186 | .00109  | .00268  | .00903 | .00317 |
| %RSD   | 171.04 | 51.050  | 7.8579 | 24.455  | 295.36  | 404.82 | 1.4770 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | -.00100 | -.00153 | .02374 | -.00350 | -.00389 | -.00184 | .21074 |
| #2 | .00156  | -.00492 | .02176 | -.00564 | .00132  | .01258  | .21651 |
| #3 | .00297  | -.00357 | .02548 | -.00420 | -.00015 | -.00405 | .21589 |

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00001 | .00065 | 27.694 | -.00039 | .00564 | .00797 | .72320 |
| Stddev | .00010  | .00006 | .203   | .00042  | .00017 | .00042 | .00214 |
| %RSD   | 820.40  | 8.7872 | .73271 | 107.27  | 2.9913 | 5.2669 | .29654 |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00008  | .00061 | 27.498 | .00003  | .00549 | .00776 | .72107 |
| #2 | -.00012 | .00063 | 27.903 | -.00081 | .00582 | .00770 | .72316 |
| #3 | .00001  | .00072 | 27.682 | -.00040 | .00561 | .00845 | .72536 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .50626 | 1.6866 | .00732 | -.00225 | 256.42 | -.00137 | .08911 |
| Stddev | .00063 | .0562  | .00014 | .00011  | 3.40   | .00030  | .00022 |
| %RSD   | .12435 | 3.3318 | 1.8788 | 4.6866  | 1.3241 | 21.785  | .24357 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .50621 | 1.7142 | .00722 | -.00213 | 252.51 | -.00157 | .08934 |
| #2 | .50566 | 1.6220 | .00748 | -.00231 | 258.63 | -.00102 | .08892 |
| #3 | .50691 | 1.7237 | .00727 | -.00232 | 258.12 | -.00151 | .08905 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0593 | .00021 | -.02170 | .20360 | .32900 | .00081 | .00272 |
| Stddev | .0508  | .00037 | .01008  | .00622 | .00674 | .00120 | .00267 |
| %RSD   | 4.7938 | 180.00 | 46.469  | 3.0566 | 2.0486 | 147.82 | 98.308 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | 1.1073 | .00008  | -.01248 | .19821 | .33315 | .00213  | .00180 |
| #2 | 1.0643 | -.00008 | -.02015 | .20218 | .33263 | .00054  | .00572 |
| #3 | 1.0062 | .00062  | -.03247 | .21041 | .32123 | -.00023 | .00062 |

Sample Name: K4324-13      Acquired: 8/14/2019 23:49:24      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: T8-E1-(0-4)      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00766 | .0070  | .05331 | <.00000 | F<.00000 |
| Stddev    | .00092 | .0023  | .00045 | .63144  | 3.0042   |
| %RSD      | 12.043 | 33.16  | .84010 | 31.953  | 22.240   |
| #1        | .00793 | .0055  | .05363 | -1.2478 | -14.234  |
| #2        | .00842 | .0096  | .05351 | -2.3688 | -10.207  |
| #3        | .00664 | .0057  | .05280 | -2.3119 | -16.083  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2579.0 | 28969. | 3052.4 | 34.360  | 2493.9   |
| Stddev    | 6.0    | 124.   | 47.5   | .259    | 3.2      |
| %RSD      | .23422 | .42896 | 1.5564 | .75260  | .12676   |
| #1        | 2586.0 | 29016. | 3007.0 | 34.535  | 2496.6   |
| #2        | 2575.5 | 28828. | 3048.3 | 34.063  | 2494.6   |
| #3        | 2575.6 | 29063. | 3101.8 | 34.482  | 2490.4   |

Sample Name: K4324-16      Acquired: 8/14/2019 23:53:50      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-C1-(0-4)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00333 | -.00345 | .00867 | .00177 | .00111 | .28526 | .14259 |
| Stddev | .00497 | .00193  | .00163 | .00331 | .00052 | .00282 | .00204 |
| %RSD   | 149.43 | 56.040  | 18.838 | 187.43 | 47.269 | .99012 | 1.4328 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00217 | -.00531 | .00774 | -.00140 | .00141 | .28251 | .14054 |
| #2 | .00751  | -.00357 | .00771 | .00149  | .00141 | .28512 | .14262 |
| #3 | .00464  | -.00146 | .01055 | .00521  | .00050 | .28815 | .14462 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00007 | .00018 | 38.208 | -.00005 | .00293 | .00631 | .51752 |
| Stddev | .00005 | .00009 | .127   | .00006  | .00019 | .00068 | .00618 |
| %RSD   | 72.187 | 51.305 | .33292 | 133.53  | 6.6248 | 10.761 | 1.1945 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00011 | .00015 | 38.061 | .00002  | .00284 | .00698 | .52330 |
| #2 | .00007 | .00010 | 38.280 | -.00008 | .00280 | .00562 | .51827 |
| #3 | .00002 | .00029 | 38.284 | -.00008 | .00315 | .00632 | .51100 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .83699 | 1.3101 | .00394 | -.00303 | 222.92 | -.00144 | .03778 |
| Stddev | .00042 | .0241  | .00052 | .00049  | 1.26   | .00060  | .00006 |
| %RSD   | .04995 | 1.8417 | 13.255 | 16.008  | .56565 | 41.745  | .16253 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .83665 | 1.3085 | .00334 | -.00296 | 222.09 | -.00156 | .03781 |
| #2 | .83686 | 1.3349 | .00429 | -.00259 | 222.30 | -.00196 | .03771 |
| #3 | .83746 | 1.2867 | .00420 | -.00355 | 224.37 | -.00078 | .03782 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .88492 | .00018 | -.03808 | .23869 | .58485 | .00015 | .01350 |
| Stddev | .03390 | .00020 | .01495  | .00505 | .01284 | .00060 | .00063 |
| %RSD   | 3.8308 | 114.29 | 39.257  | 2.1165 | 2.1958 | 393.97 | 4.6420 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | .92312 | .00024  | -.02978 | .24430 | .59725 | .00053  | .01360 |
| #2 | .87321 | .00034  | -.05533 | .23727 | .58569 | -.00054 | .01283 |
| #3 | .85842 | -.00005 | -.02912 | .23450 | .57160 | .00047  | .01407 |

Sample Name: K4324-16      Acquired: 8/14/2019 23:53:50      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: T8-C1-(0-4)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00707 | .0144  | .10002 | <.00000 | F<.00000 |
| Stddev | .00087 | .0016  | .00078 | .51555  | 1.1030   |
| %RSD   | 12.318 | 11.23  | .78262 | 190.69  | 12.259   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .00783 | .0157 | .09912 | -.86472 | -8.5970 |
| #2 | .00726 | .0126 | .10048 | -.00230 | -10.244 |
| #3 | .00612 | .0149 | .10047 | .05594  | -8.1503 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2580.9 | 29053. | 3061.7 | 35.734 | 2499.7 |
| Stddev    | 9.0    | 71.    | 17.4   | 1.484  | 8.5    |
| %RSD      | .35059 | .24541 | .56876 | 4.1529 | .33965 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2587.1 | 28977. | 3045.9 | 37.425 | 2503.3 |
| #2 | 2585.0 | 29119. | 3058.7 | 34.649 | 2505.9 |
| #3 | 2570.5 | 29063. | 3080.3 | 35.128 | 2490.0 |

Sample Name: K4325-02      Acquired: 8/14/2019 23:58:16      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: 20190612-LOC      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00005 | -.00506 | .00119 | -.00327 | -.00119 | .09185 | .04201 |
| Stddev | .00240 | .00052  | .00075 | .00139  | .00151  | .01659 | .00052 |
| %RSD   | 4586.4 | 10.288  | 62.926 | 42.585  | 126.74  | 18.059 | 1.2350 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00268  | -.00528 | .00196 | -.00176 | .00053  | .08510 | .04230 |
| #2 | -.00051 | -.00447 | .00048 | -.00355 | -.00229 | .11075 | .04141 |
| #3 | -.00202 | -.00545 | .00112 | -.00450 | -.00181 | .07971 | .04231 |

|        |         |         |        |         |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00001 | -.00006 | 15.986 | -.00001 | .00380 | .00635 | .84833 |
| Stddev | .00005  | .00005  | .047   | .00018  | .00013 | .00031 | .00246 |
| %RSD   | 975.97  | 80.333  | .29158 | 1386.7  | 3.4484 | 4.9491 | .29015 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00001 | -.00001 | 15.940 | .00020  | .00382 | .00634 | .84755 |
| #2 | -.00006 | -.00005 | 15.985 | -.00011 | .00366 | .00667 | .85109 |
| #3 | .00005  | -.00011 | 16.033 | -.00012 | .00393 | .00604 | .84636 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .29580 | .43487 | .00504 | -.00332 | 233.30 | -.00149 | .03592 |
| Stddev | .00172 | .07354 | .00029 | .00072  | .75    | .00050  | .00017 |
| %RSD   | .58254 | 16.911 | 5.7825 | 21.709  | .32135 | 33.429  | .48521 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .29736 | .43543 | .00492 | -.00411 | 232.63 | -.00161 | .03578 |
| #2 | .29610 | .50813 | .00538 | -.00270 | 233.15 | -.00191 | .03586 |
| #3 | .29395 | .36105 | .00483 | -.00315 | 234.11 | -.00094 | .03611 |

|        |        |        |         |        |        |         |        |
|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.3537 | .00023 | -.01339 | .30635 | .34886 | -.00065 | .00211 |
| Stddev | .0739  | .00006 | .02005  | .00446 | .00500 | .00103  | .00333 |
| %RSD   | 5.4612 | 27.815 | 149.79  | 1.4549 | 1.4322 | 158.42  | 157.79 |

|    |        |        |         |        |        |         |         |
|----|--------|--------|---------|--------|--------|---------|---------|
| #1 | 1.3507 | .00018 | -.02751 | .30213 | .34918 | .00020  | .00052  |
| #2 | 1.2813 | .00021 | .00957  | .30591 | .35368 | -.00180 | .00593  |
| #3 | 1.4291 | .00030 | -.02222 | .31101 | .34371 | -.00035 | -.00013 |

Sample Name: K4325-02      Acquired: 8/14/2019 23:58:16      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: 20190612-LOC      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00690 | .0052  | .03507 | .46994 | F<.00000 |
| Stddev    | .00056 | .0026  | .00032 | .56787 | 2.3215   |
| %RSD      | 8.1431 | 49.57  | .91042 | 120.84 | 20.217   |
| #1        | .00663 | .0081  | .03482 | .29521 | -10.370  |
| #2        | .00754 | .0042  | .03495 | 1.1046 | -9.9274  |
| #3        | .00652 | .0033  | .03543 | .00997 | -14.151  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 2616.4 | 29390. | 3072.2 | 34.749 | 2532.1   |
| Stddev    | 11.2   | 95.    | 12.8   | .758   | 9.2      |
| %RSD      | .42785 | .32431 | .41754 | 2.1802 | .36177   |
| #1        | 2623.2 | 29309. | 3073.2 | 34.560 | 2537.3   |
| #2        | 2622.6 | 29367. | 3058.9 | 35.583 | 2537.5   |
| #3        | 2603.5 | 29495. | 3084.5 | 34.104 | 2521.5   |

Sample Name: K4329-02      Acquired: 8/15/2019 0:02:43      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: ETGI-292      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00754 | -.00445 | .00761 | .00064 | -.00109 | .00906 | .07416 |
| Stddev | .00331 | .00038  | .00179 | .00160 | .00143  | .01010 | .00159 |
| %RSD   | 43.924 | 8.4775  | 23.521 | 251.37 | 131.02  | 111.47 | 2.1401 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00372 | -.00401 | .00764 | .00126  | -.00145 | .02052 | .07234 |
| #2 | .00928 | -.00468 | .00939 | -.00118 | -.00230 | .00144 | .07527 |
| #3 | .00962 | -.00466 | .00581 | .00183  | .00049  | .00522 | .07486 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00006 | .00036 | 3.5785 | .00105 | .00021 | .00585 | .04110 |
| Stddev | .00002 | .00002 | .0459  | .00015 | .00012 | .00056 | .00109 |
| %RSD   | 38.394 | 6.7993 | 1.2837 | 13.837 | 54.822 | 9.6230 | 2.6620 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00006 | .00037 | 3.5883 | .00102 | .00014 | .00647 | .04203 |
| #2 | .00003 | .00033 | 3.6186 | .00121 | .00035 | .00570 | .03989 |
| #3 | .00008 | .00037 | 3.5284 | .00093 | .00015 | .00538 | .04138 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02036 | .91312 | .00236 | -.00361 | 247.68 | .00269 | .11348 |
| Stddev | .00025 | .00482 | .00008 | .00038  | 3.56   | .00054 | .00016 |
| %RSD   | 1.2221 | .52800 | 3.2913 | 10.466  | 1.4381 | 20.218 | .14028 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .02024 | .90813 | .00243 | -.00391 | 243.58 | .00248 | .11364 |
| #2 | .02064 | .91348 | .00228 | -.00373 | 249.52 | .00228 | .11332 |
| #3 | .02019 | .91776 | .00237 | -.00318 | 249.95 | .00331 | .11349 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54047 | .00046 | -.01208 | .21371 | .39632 | .00016 | .00381 |
| Stddev | .05555 | .00043 | .02504  | .00748 | .00759 | .00121 | .00295 |
| %RSD   | 10.278 | 94.647 | 207.26  | 3.5010 | 1.9149 | 761.59 | 77.384 |

|    |        |        |         |        |        |         |        |
|----|--------|--------|---------|--------|--------|---------|--------|
| #1 | .60228 | .00001 | -.04024 | .22235 | .40388 | .00154  | .00484 |
| #2 | .49471 | .00087 | .00769  | .20950 | .39637 | -.00038 | .00049 |
| #3 | .52443 | .00050 | -.00369 | .20929 | .38870 | -.00069 | .00612 |



Sample Name: K4329-02      Acquired: 8/15/2019 0:02:43      Type: Unk  
 Method: P4-ICP2(v33338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: ETGI-292      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00386 | .0200  | .03714 | <.00000 | F<.00000 |
| Stddev    | .00112 | .0012  | .00025 | .35361  | .55839   |
| %RSD      | 29.070 | 5.979  | .67097 | 13.505  | 4.6397   |
| #1        | .00258 | .0209  | .03742 | -2.2590 | -11.411  |
| #2        | .00433 | .0204  | .03695 | -2.9659 | -12.206  |
| #3        | .00467 | .0186  | .03705 | -2.6300 | -12.488  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2593.2 | 29336. | 3087.4 | 35.503  | 2527.6   |
| Stddev    | 12.1   | 140.   | 39.0   | 1.611   | 14.1     |
| %RSD      | .46769 | .47602 | 1.2616 | 4.5391  | .55596   |
| #1        | 2582.2 | 29497. | 3046.3 | 34.187  | 2516.5   |
| #2        | 2591.2 | 29254. | 3092.3 | 35.021  | 2523.0   |
| #3        | 2606.2 | 29257. | 3123.7 | 37.300  | 2543.4   |

Sample Name: K4339-13      Acquired: 8/15/2019 0:07:12      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-A1-A4-(0-      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00578 | -.00278 | .21081 | -.00544 | -.00133 | .00013 | .20068 |
| Stddev | .00488 | .00132  | .00076 | .00107  | .00241  | .01573 | .00099 |
| %RSD   | 84.397 | 47.658  | .36284 | 19.604  | 181.02  | 12471. | .49200 |

|    |        |         |        |         |         |         |        |
|----|--------|---------|--------|---------|---------|---------|--------|
| #1 | .00836 | -.00391 | .21014 | -.00531 | .00125  | -.01586 | .20035 |
| #2 | .00015 | -.00132 | .21065 | -.00656 | -.00353 | .00066  | .19990 |
| #3 | .00883 | -.00311 | .21165 | -.00444 | -.00171 | .01558  | .20179 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00001 | .00072 | 17.839 | -.00065 | .00162 | .01276 | .01452 |
| Stddev | .00006 | .00010 | .067   | .00004  | .00005 | .00010 | .00056 |
| %RSD   | 1045.0 | 14.302 | .37651 | 5.8045  | 3.0566 | .76352 | 3.8392 |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00001 | .00060 | 17.761 | -.00064 | .00164 | .01274 | .01497 |
| #2 | -.00004 | .00080 | 17.872 | -.00062 | .00165 | .01267 | .01469 |
| #3 | .00007  | .00076 | 17.883 | -.00070 | .00156 | .01286 | .01390 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .16342 | 1.8245 | .00380 | -.00302 | 211.88 | -.00113 | .06029 |
| Stddev | .00059 | .0425  | .00072 | .00082  | .95    | .00016  | .00031 |
| %RSD   | .36366 | 2.3292 | 18.839 | 27.088  | .44939 | 14.447  | .50689 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .16316 | 1.7943 | .00329 | -.00222 | 210.78 | -.00120 | .06006 |
| #2 | .16410 | 1.8731 | .00350 | -.00299 | 212.48 | -.00094 | .06064 |
| #3 | .16299 | 1.8061 | .00462 | -.00386 | 212.37 | -.00124 | .06018 |

|        |        |        |         |        |        |         |        |
|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .84975 | .00030 | -.02211 | .18596 | .33704 | -.00034 | .00338 |
| Stddev | .06271 | .00009 | .00084  | .00678 | .00402 | .00008  | .00140 |
| %RSD   | 7.3793 | 30.145 | 3.7788  | 3.6433 | 1.1913 | 23.456  | 41.446 |

|    |        |        |         |        |        |         |        |
|----|--------|--------|---------|--------|--------|---------|--------|
| #1 | .78167 | .00020 | -.02289 | .18201 | .33292 | -.00037 | .00483 |
| #2 | .86242 | .00032 | -.02220 | .18210 | .34094 | -.00040 | .00203 |
| #3 | .90515 | .00038 | -.02123 | .19379 | .33724 | -.00025 | .00329 |

Sample Name: K4339-13      Acquired: 8/15/2019 0:07:12      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: T8-A1-A4-(0-      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00712 | .0221  | .06437 | <.00000 | F<.00000 |
| Stddev    | .00044 | .0007  | .00048 | .33462  | 2.2361   |
| %RSD      | 6.1541 | 2.971  | .74308 | 12.917  | 22.014   |
| #1        | .00688 | .0217  | .06400 | -2.5136 | -7.5940  |
| #2        | .00762 | .0229  | .06491 | -2.9571 | -11.172  |
| #3        | .00684 | .0217  | .06420 | -2.3013 | -11.706  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2586.8 | 29173. | 3058.5 | 33.934  | 2521.4   |
| Stddev    | .7     | 81.    | 18.1   | .525    | 7.0      |
| %RSD      | .02565 | .27892 | .59198 | 1.5469  | .27784   |
| #1        | 2586.1 | 29079. | 3050.2 | 33.363  | 2515.9   |
| #2        | 2587.4 | 29217. | 3046.0 | 34.396  | 2519.1   |
| #3        | 2586.9 | 29223. | 3079.2 | 34.042  | 2529.3   |

Sample Name: K4339-22      Acquired: 8/15/2019 0:11:39      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: T8-B1-(0-4)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00615 | -.00373 | .01957 | .00092 | -.00153 | .01279 | .13605 |
| Stddev | .00328 | .00038  | .00026 | .00093 | .00135  | .02976 | .00120 |
| %RSD   | 53.339 | 10.129  | 1.3255 | 100.73 | 87.987  | 232.67 | .88215 |

|    |        |         |        |         |         |         |        |
|----|--------|---------|--------|---------|---------|---------|--------|
| #1 | .00956 | -.00416 | .01961 | .00139  | -.00046 | -.00048 | .13545 |
| #2 | .00302 | -.00347 | .01981 | .00151  | -.00304 | .04687  | .13527 |
| #3 | .00585 | -.00354 | .01930 | -.00015 | -.00109 | -.00802 | .13743 |

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00000 | .00137 | 45.613 | -.00034 | .00284 | .00847 | .01572 |
| Stddev | .00006  | .00004 | .509   | .00020  | .00038 | .00028 | .00064 |
| %RSD   | 1273.9  | 2.9551 | 1.1151 | 58.639  | 13.263 | 3.3398 | 4.0570 |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00006  | .00141 | 45.027 | -.00015 | .00242 | .00872 | .01633 |
| #2 | -.00007 | .00133 | 45.868 | -.00032 | .00315 | .00854 | .01578 |
| #3 | -.00001 | .00138 | 45.943 | -.00054 | .00295 | .00816 | .01506 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .50777 | 1.3344 | .00516 | -.00307 | 204.52 | -.00208 | .09739 |
| Stddev | .00236 | .0316  | .00119 | .00069  | .88    | .00064  | .00020 |
| %RSD   | .46400 | 2.3677 | 23.143 | 22.433  | .43200 | 30.932  | .21030 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .50991 | 1.3185 | .00437 | -.00296 | 203.50 | -.00138 | .09758 |
| #2 | .50816 | 1.3138 | .00458 | -.00244 | 205.03 | -.00264 | .09742 |
| #3 | .50525 | 1.3707 | .00654 | -.00380 | 205.04 | -.00222 | .09717 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .95603 | .00045 | -.02753 | .30046 | .31336 | .00006 | .00074 |
| Stddev | .05354 | .00026 | .01264  | .00744 | .00551 | .00116 | .00399 |
| %RSD   | 5.6002 | 57.215 | 45.919  | 2.4766 | 1.7597 | 1887.4 | 542.39 |

|    |        |        |         |        |        |         |         |
|----|--------|--------|---------|--------|--------|---------|---------|
| #1 | .89808 | .00024 | -.04207 | .30489 | .31028 | -.00064 | -.00387 |
| #2 | .96636 | .00038 | -.01910 | .30463 | .31972 | .00140  | .00283  |
| #3 | 1.0037 | .00074 | -.02143 | .29187 | .31007 | -.00058 | .00325  |

Sample Name: K4339-22      Acquired: 8/15/2019 0:11:39      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: T8-B1-(0-4)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00762 | .0077  | .11663 | <.00000 | F<.00000 |
| Stddev | .00024 | .0021  | .00091 | .87441  | 2.1718   |
| %RSD   | 3.1585 | 27.74  | .78081 | 51.580  | 23.180   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .00761 | .0065 | .11559 | -.86018 | -10.641 |
| #2 | .00738 | .0065 | .11704 | -1.6213 | -10.605 |
| #3 | .00786 | .0102 | .11726 | -2.6043 | -6.8614 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2574.9 | 28933. | 3039.8 | 34.107 | 2505.6 |
| Stddev    | 10.8   | 101.   | 26.2   | .475   | 8.0    |
| %RSD      | .41800 | .34933 | .86168 | 1.3921 | .31945 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2566.1 | 28872. | 3050.8 | 33.559 | 2497.5 |
| #2 | 2571.7 | 28877. | 3009.9 | 34.351 | 2505.8 |
| #3 | 2586.9 | 29050. | 3058.7 | 34.409 | 2513.5 |

Sample Name: K4340-02      Acquired: 8/15/2019 0:16:05      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: LS-SAMPLE-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00376 | -.00428 | .00145 | .00245 | -.00229 | .08040 | .16345 |
| Stddev | .00454 | .00152  | .00009 | .00309 | .00132  | .01964 | .00223 |
| %RSD   | 120.68 | 35.402  | 6.4371 | 126.11 | 57.569  | 24.423 | 1.3614 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00148 | -.00253 | .00155 | .00243  | -.00124 | .09932 | .16089 |
| #2 | .00633  | -.00508 | .00136 | -.00063 | -.00377 | .06012 | .16454 |
| #3 | .00644  | -.00523 | .00145 | .00556  | -.00186 | .08175 | .16491 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00006 | .00014 | 24.595 | -.00097 | .00495 | .00560 | .23994 |
| Stddev | .00008 | .00002 | .090   | .00044  | .00010 | .00020 | .00354 |
| %RSD   | 128.10 | 17.033 | .36762 | 45.826  | 1.9904 | 3.6194 | 1.4737 |

|    |         |        |        |         |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00005  | .00014 | 24.496 | -.00109 | .00498 | .00543 | .24392 |
| #2 | .00014  | .00012 | 24.618 | -.00134 | .00503 | .00554 | .23714 |
| #3 | -.00001 | .00017 | 24.673 | -.00048 | .00484 | .00582 | .23877 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | 1.3927 | 6.4848 | .00361 | -.00300 | 232.35 | -.00327 | .03506 |
| Stddev | .0010  | .0617  | .00054 | .00045  | 1.42   | .00055  | .00012 |
| %RSD   | .06790 | .95077 | 15.074 | 15.187  | .61026 | 16.658  | .35331 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | 1.3938 | 6.4175 | .00369 | -.00290 | 230.72 | -.00325 | .03519 |
| #2 | 1.3920 | 6.4985 | .00411 | -.00349 | 233.18 | -.00383 | .03505 |
| #3 | 1.3924 | 6.5385 | .00303 | -.00260 | 233.17 | -.00274 | .03494 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .62327 | -.00027 | -.01156 | .17374 | .56566 | .00089 | .00386 |
| Stddev | .09423 | .00029  | .02458  | .00677 | .00444 | .00132 | .00211 |
| %RSD   | 15.118 | 107.16  | 212.67  | 3.8994 | .78578 | 149.43 | 54.594 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | .68385 | -.00022 | -.03937 | .17528 | .57018 | .00175  | .00454 |
| #2 | .51471 | -.00001 | .00722  | .16632 | .56129 | .00154  | .00150 |
| #3 | .67126 | -.00059 | -.00251 | .17960 | .56552 | -.00064 | .00555 |

Sample Name: K4340-02      Acquired: 8/15/2019 0:16:05      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: LS-SAMPLE-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00709 | .0070  | .09237 | <.00000 | F<.00000 |
| Stddev | .00076 | .0022  | .00056 | .61709  | 1.5114   |
| %RSD   | 10.699 | 31.03  | .60309 | 231.44  | 12.972   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .00627 | .0086 | .09177 | .42291  | -9.9273 |
| #2 | .00725 | .0045 | .09246 | -.76698 | -12.280 |
| #3 | .00776 | .0078 | .09288 | -.45583 | -12.747 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2589.5 | 29164. | 3049.5 | 34.176 | 2505.6 |
| Stddev    | 10.3   | 165.   | 17.2   | .734   | 5.6    |
| %RSD      | .39703 | .56520 | .56388 | 2.1489 | .22384 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2599.6 | 29107. | 3033.8 | 33.391 | 2509.5 |
| #2 | 2579.1 | 29035. | 3046.8 | 34.847 | 2499.1 |
| #3 | 2589.9 | 29350. | 3067.9 | 34.289 | 2508.1 |

Sample Name: K4340-04      Acquired: 8/15/2019 0:20:32      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: LS-SAMPLE-2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00266 | -.00426 | .00196 | .00169 | .00009 | .08629 | .15509 |
| Stddev | .00030 | .00323  | .00089 | .00392 | .00048 | .00895 | .00146 |
| %RSD   | 11.402 | 75.628  | 45.402 | 232.52 | 527.32 | 10.375 | .94088 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00245 | -.00768 | .00247 | .00519  | .00053  | .07996 | .15350 |
| #2 | .00253 | -.00384 | .00247 | .00241  | -.00042 | .08238 | .15637 |
| #3 | .00301 | -.00127 | .00093 | -.00255 | .00016  | .09653 | .15540 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00008 | .00017 | 30.212 | -.00016 | .00153 | .00516 | .32374 |
| Stddev | .00008 | .00006 | .141   | .00032  | .00011 | .00041 | .00291 |
| %RSD   | 106.24 | 33.683 | .46746 | 198.72  | 6.8815 | 7.9477 | .89987 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00003 | .00020 | 30.129 | -.00003 | .00165 | .00504 | .32390 |
| #2 | .00002 | .00010 | 30.132 | .00007  | .00148 | .00483 | .32075 |
| #3 | .00017 | .00021 | 30.375 | -.00052 | .00146 | .00562 | .32657 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .97880 | 6.8113 | .00296 | -.00293 | 211.92 | -.00282 | .04368 |
| Stddev | .00182 | .0576  | .00044 | .00043  | .59    | .00056  | .00006 |
| %RSD   | .18608 | .84568 | 15.042 | 14.849  | .28026 | 19.992  | .13478 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .98088 | 6.7635 | .00246 | -.00244 | 211.51 | -.00217 | .04363 |
| #2 | .97751 | 6.7950 | .00310 | -.00307 | 211.64 | -.00319 | .04374 |
| #3 | .97800 | 6.8752 | .00331 | -.00327 | 212.60 | -.00309 | .04366 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .63287 | .00054 | -.01622 | .38587 | .48197 | .00023 | .00168 |
| Stddev | .03814 | .00014 | .02353  | .00231 | .00567 | .00045 | .00092 |
| %RSD   | 6.0271 | 25.113 | 145.06  | .59740 | 1.1763 | 197.32 | 54.745 |

|    |        |        |         |        |        |         |        |
|----|--------|--------|---------|--------|--------|---------|--------|
| #1 | .58896 | .00042 | .01094  | .38350 | .47647 | .00036  | .00226 |
| #2 | .65783 | .00069 | -.03038 | .38600 | .48780 | .00059  | .00062 |
| #3 | .65182 | .00051 | -.02923 | .38810 | .48163 | -.00027 | .00216 |



Sample Name: K4340-04      Acquired: 8/15/2019 0:20:32      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: LS-SAMPLE-2      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00673 | .0050  | .10322 | <.00000 | F<.00000 |
| Stddev | .00173 | .0005  | .00099 | .76519  | .76178   |
| %RSD   | 25.681 | 9.603  | .95544 | 118.44  | 10.569   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .00475 | .0048 | .10212 | .04481  | -7.6740 |
| #2 | .00748 | .0056 | .10351 | -1.4685 | -6.3285 |
| #3 | .00795 | .0047 | .10403 | -.51451 | -7.6203 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2584.1 | 29173. | 3065.3 | 34.842 | 2509.0 |
| Stddev    | 21.3   | 153.   | 24.2   | .274   | 14.7   |
| %RSD      | .82482 | .52348 | .79083 | .78568 | .58497 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2563.9 | 29040. | 3050.6 | 35.010 | 2494.9 |
| #2 | 2606.4 | 29340. | 3093.3 | 34.526 | 2524.2 |
| #3 | 2581.9 | 29139. | 3052.0 | 34.989 | 2508.0 |

Sample Name: K4329-04      Acquired: 8/15/2019 0:24:59      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: WATER-PIT      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00711 | -.00222 | .00002 | -.00303 | -.00052 | .01972 | .03267 |
| Stddev | .00163 | .00041  | .00066 | .00298  | .00204  | .00908 | .00087 |
| %RSD   | 22.885 | 18.420  | 3231.8 | 98.515  | 394.97  | 46.032 | 2.6580 |

|    |        |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00756 | -.00252 | -.00073 | .00013  | .00179  | .01007 | .03358 |
| #2 | .00848 | -.00176 | .00049  | -.00343 | -.00129 | .02809 | .03185 |
| #3 | .00531 | -.00239 | .00030  | -.00579 | -.00205 | .02101 | .03258 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00000 | .00001 | 6.4604 | .00012 | .00019 | .00093 | .07845 |
| Stddev | .00005  | .00007 | .0103  | .00034 | .00028 | .00045 | .00120 |
| %RSD   | 1114.8  | 1094.9 | .15973 | 288.57 | 153.30 | 48.137 | 1.5352 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00000  | .00004  | 6.4610 | .00028  | .00043  | .00041 | .07856 |
| #2 | -.00005 | -.00008 | 6.4498 | -.00027 | .00025  | .00121 | .07719 |
| #3 | .00004  | .00005  | 6.4704 | .00034  | -.00013 | .00117 | .07959 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02478 | 2.0795 | .00265 | -.00292 | 28.013 | .00251 | .01804 |
| Stddev | .00003 | .0896  | .00043 | .00049  | .186   | .00060 | .00002 |
| %RSD   | .12006 | 4.3064 | 16.360 | 16.629  | .66234 | 23.706 | .08364 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .02481 | 2.0513 | .00268 | -.00348 | 27.848 | .00320 | .01806 |
| #2 | .02478 | 2.0074 | .00307 | -.00261 | 27.978 | .00212 | .01803 |
| #3 | .02475 | 2.1797 | .00221 | -.00268 | 28.214 | .00222 | .01805 |

|        |        |        |         |        |        |         |        |
|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.3850 | .00098 | -.00665 | .53351 | 2.7940 | -.00137 | .00308 |
| Stddev | .0231  | .00022 | .02790  | .00493 | .0216  | .00028  | .00294 |
| %RSD   | 1.6674 | 22.624 | 419.50  | .92461 | .77309 | 20.156  | 95.620 |

|    |        |        |         |        |        |         |        |
|----|--------|--------|---------|--------|--------|---------|--------|
| #1 | 1.3673 | .00123 | .02554  | .53174 | 2.8140 | -.00141 | .00242 |
| #2 | 1.3765 | .00087 | -.02374 | .53909 | 2.7969 | -.00108 | .00629 |
| #3 | 1.4111 | .00083 | -.02175 | .52971 | 2.7711 | -.00163 | .00052 |

Sample Name: K4329-04      Acquired: 8/15/2019 0:24:59      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: WATER-PIT      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00786 | .0065  | .05443 | <.00000 | F<.00000 |
| Stddev | .00088 | .0007  | .00046 | .93106  | 1.6095   |
| %RSD   | 11.222 | 11.08  | .85150 | 16.039  | 45.230   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .00735 | .0058 | .05454 | -5.2953 | -2.1344 |
| #2 | .00888 | .0066 | .05483 | -5.2402 | -5.3047 |
| #3 | .00736 | .0072 | .05392 | -6.8797 | -3.2363 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2692.9 | 30001. | 3091.4 | 36.544 | 2753.3 |
| Stddev    | 1.6    | 36.    | 23.5   | .746   | 5.0    |
| %RSD      | .05915 | .11900 | .76093 | 2.0406 | .18033 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2692.3 | 30034. | 3074.3 | 35.686 | 2759.0 |
| #2 | 2694.6 | 30005. | 3081.6 | 36.918 | 2750.1 |
| #3 | 2691.6 | 29963. | 3118.2 | 37.029 | 2750.7 |

Sample Name: K4329-04DUP      Acquired: 8/15/2019 0:29:28      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: WATER-PITDUP      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |        |        |        |         |
|--------|--------|---------|---------|---------|--------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .01031 | -.00292 | -.00072 | -.00259 | .00015 | .02396 | .03311 | -.00000 |
| Stddev | .00196 | .00136  | .00191  | .00308  | .00149 | .00891 | .00112 | .00009  |
| %RSD   | 18.979 | 46.413  | 263.99  | 119.16  | 976.88 | 37.171 | 3.3959 | 2572.5  |

|    |        |         |         |         |         |        |        |         |
|----|--------|---------|---------|---------|---------|--------|--------|---------|
| #1 | .01040 | -.00183 | -.00067 | -.00614 | .00024  | .01812 | .03199 | .00006  |
| #2 | .01221 | -.00444 | .00116  | -.00064 | -.00138 | .01956 | .03424 | -.00010 |
| #3 | .00830 | -.00250 | -.00266 | -.00098 | .00159  | .03422 | .03311 | .00003  |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00003 | 6.4696 | -.00027 | .00033 | .00088 | .07938 | .02483 | 2.1584 |
| Stddev | .00004 | .0325  | .00025  | .00006 | .00052 | .00142 | .00014 | .0986  |
| %RSD   | 129.66 | .50219 | 92.224  | 19.520 | 58.751 | 1.7906 | .58389 | 4.5670 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00003  | 6.4647 | -.00038 | .00032 | .00145 | .08103 | .02499 | 2.2687 |
| #2 | -.00001 | 6.4399 | .00002  | .00026 | .00073 | .07861 | .02479 | 2.0790 |
| #3 | .00008  | 6.5043 | -.00044 | .00039 | .00045 | .07852 | .02471 | 2.1273 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00245 | -.00402 | 28.125 | .00212 | .01909 | 1.3561 | .00059 | -.00390 |
| Stddev | .00032 | .00045  | .195   | .00019 | .00001 | .0223  | .00017 | .00831  |
| %RSD   | 13.066 | 11.169  | .69215 | 9.0991 | .04476 | 1.6478 | 29.047 | 212.98  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .00282 | -.00435 | 27.900 | .00208 | .01910 | 1.3421 | .00056 | .00331  |
| #2 | .00231 | -.00421 | 28.226 | .00233 | .01908 | 1.3444 | .00043 | -.01300 |
| #3 | .00222 | -.00351 | 28.248 | .00196 | .01910 | 1.3819 | .00077 | -.00202 |

|        |        |        |         |        |        |        |        |         |
|--------|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .53046 | 2.7870 | -.00166 | .00281 | .00870 | .0053  | .05495 | <.00000 |
| Stddev | .00462 | .0177  | .00062  | .00171 | .00125 | .0007  | .00010 | .66094  |
| %RSD   | .87079 | .63631 | 37.141  | 60.678 | 14.342 | 12.99  | .18543 | 11.099  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | .53542 | 2.8047 | -.00201 | .00474 | .00834 | .0046 | .05495 | -5.4101 |
| #2 | .52969 | 2.7692 | -.00202 | .00152 | .00768 | .0055 | .05485 | -5.7643 |
| #3 | .52627 | 2.7871 | -.00095 | .00216 | .01009 | .0059 | .05505 | -6.6902 |

Sample Name: K4329-04DUP      Acquired: 8/15/2019 0:29:28      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: WATER-PITDUP      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      .99544  
 %RSD      205.57

#1      -.36932  
 #2      -1.5321  
 #3      .44878

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2672.6 | 29570. | 3067.5 | 35.733 | 2741.3 |
| Stddev    | 16.3   | 71.    | 10.2   | .163   | 10.7   |
| %RSD      | .60812 | .24017 | .33205 | .45509 | .39050 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2658.5 | 29652. | 3057.1 | 35.914 | 2732.6 |
| #2 | 2690.4 | 29530. | 3077.5 | 35.689 | 2753.3 |
| #3 | 2668.9 | 29527. | 3067.7 | 35.598 | 2738.1 |

Sample Name: CCV12      Acquired: 8/15/2019 0:33:56      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9798 | 4.8179 | 4.9413 | 4.8729 | 4.9337 | 9.4554 | 9.7311 |
| Stddev | .0066  | .0102  | .0035  | .0061  | .0069  | .0598  | .0422  |
| %RSD   | .13276 | .21091 | .07086 | .12602 | .14091 | .63280 | .43350 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.9818 | 4.8117 | 4.9388 | 4.8664 | 4.9258 | 9.4147 | 9.6830 |
| #2 | 4.9852 | 4.8124 | 4.9398 | 4.8786 | 4.9362 | 9.4274 | 9.7622 |
| #3 | 4.9725 | 4.8296 | 4.9453 | 4.8737 | 4.9390 | 9.5241 | 9.7479 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25094 | 2.4515 | 24.586 | .98477 | 2.4354 | 1.2538 | 5.0603 |
| Stddev | .00053 | .0041  | .197   | .00150 | .0067  | .0065  | .0116  |
| %RSD   | .20946 | .16794 | .80056 | .15272 | .27427 | .51569 | .22946 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25061 | 2.4487 | 24.361 | .98304 | 2.4282 | 1.2467 | 5.0498 |
| #2 | .25067 | 2.4495 | 24.729 | .98576 | 2.4367 | 1.2553 | 5.0584 |
| #3 | .25155 | 2.4562 | 24.667 | .98551 | 2.4414 | 1.2594 | 5.0728 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4752 | 24.052 | 2.4285 | 1.2256 | 24.481 | 2.4333 | 2.4332 |
| Stddev | .0050  | .082   | .0066  | .0027  | .135   | .0073  | .0050  |
| %RSD   | .20312 | .34296 | .27402 | .21948 | .55106 | .29934 | .20606 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4707 | 24.053 | 2.4217 | 1.2225 | 24.613 | 2.4266 | 2.4288 |
| #2 | 2.4742 | 24.133 | 2.4286 | 1.2268 | 24.486 | 2.4322 | 2.4322 |
| #3 | 2.4806 | 23.968 | 2.4351 | 1.2275 | 24.344 | 2.4411 | 2.4387 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 24.058 | 4.9190 | 4.6312 | 4.7573 | 5.0306 | 4.8436 | 4.8645 |
| Stddev | .146   | .0047  | .0439  | .0228  | .0209  | .0230  | .0338  |
| %RSD   | .60859 | .09644 | .94766 | .47984 | .41475 | .47434 | .69488 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 23.894 | 4.9136 | 4.6623 | 4.7310 | 5.0065 | 4.8305 | 4.8258 |
| #2 | 24.103 | 4.9211 | 4.5810 | 4.7684 | 5.0436 | 4.8302 | 4.8798 |
| #3 | 24.177 | 4.9224 | 4.6502 | 4.7725 | 5.0417 | 4.8701 | 4.8880 |

Sample Name: CCV12      Acquired: 8/15/2019 0:33:56      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |          |        |        |          |          |
|-----------|----------|--------|--------|----------|----------|
| Elem      | Li6707   | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm      | ppm    | ppm    | ppm      | ppm      |
| Avg       | F 3.8122 | 4.749  | 4.9929 | F<.00000 | F<.00000 |
| Stddev    | .0148    | .019   | .0301  | .50740   | 2.9478   |
| %RSD      | .38830   | .3936  | .60304 | 16.571   | 369.81   |
| #1        | 3.7951   | 4.743  | 4.9584 | -2.9431  | 1.6791   |
| #2        | 3.8196   | 4.735  | 5.0143 | -3.6181  | -.01268  |
| #3        | 3.8218   | 4.770  | 5.0058 | -2.6244  | -4.0577  |
| Int. Std. | Y_2243   | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S    | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2625.8   | 29300. | 3011.2 | 33.681   | 2508.7   |
| Stddev    | 3.0      | 28.    | 6.2    | 1.149    | 1.2      |
| %RSD      | .11520   | .09484 | .20426 | 3.4109   | .04965   |
| #1        | 2627.3   | 29285. | 3015.7 | 34.990   | 2510.1   |
| #2        | 2622.4   | 29283. | 3004.2 | 33.212   | 2507.7   |
| #3        | 2627.8   | 29332. | 3013.6 | 32.841   | 2508.3   |

Sample Name: CCB12      Acquired: 8/15/2019 0:37:56      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |         |         |         |        |
|--------|----------|---------|--------|---------|---------|---------|--------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | F .00717 | -.00077 | .00084 | -.00459 | -.00053 | -.02231 | .00022 |
| Stddev | .00322   | .00127  | .00172 | .00126  | .00138  | .00481  | .00059 |
| %RSD   | 44.873   | 164.00  | 204.39 | 27.518  | 260.24  | 21.552  | 274.12 |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00795 | .00015  | -.00114 | -.00388 | -.00186 | -.02305 | .00033  |
| #2 | .00993 | -.00221 | .00197  | -.00384 | .00089  | -.02669 | .00075  |
| #3 | .00364 | -.00025 | .00170  | -.00604 | -.00062 | -.01717 | -.00043 |

|        |         |         |         |         |         |        |         |
|--------|---------|---------|---------|---------|---------|--------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00005 | -.00004 | -.00411 | -.00052 | -.00005 | .00020 | -.00001 |
| Stddev | .00006  | .00017  | .02217  | .00042  | .00019  | .00040 | .00075  |
| %RSD   | 119.45  | 451.67  | 539.70  | 79.681  | 400.27  | 201.21 | 10270.  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00011 | -.00020 | -.00143 | -.00088 | .00016  | -.00011 | -.00028 |
| #2 | -.00005 | .00014  | .01660  | -.00007 | -.00010 | .00005  | -.00058 |
| #3 | .00001  | -.00005 | -.02749 | -.00062 | -.00020 | .00064  | .00083  |

|        |         |         |        |         |          |         |         |
|--------|---------|---------|--------|---------|----------|---------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895   | V_2924  | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm      | ppm     | ppm     |
| Avg    | -.00006 | -.03951 | .00055 | -.00324 | F .91448 | -.00115 | -.00068 |
| Stddev | .00009  | .04954  | .00054 | .00009  | .00961   | .00056  | .00011  |
| %RSD   | 156.32  | 125.40  | 98.787 | 2.7443  | 1.0510   | 48.815  | 15.683  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00000 | -.04665 | .00039 | -.00326 | .91899 | -.00125 | -.00057 |
| #2 | -.00001 | -.08510 | .00115 | -.00315 | .92101 | -.00166 | -.00078 |
| #3 | -.00017 | .01322  | .00010 | -.00332 | .90344 | -.00055 | -.00069 |

|        |        |        |         |           |        |        |        |
|--------|--------|--------|---------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm    | ppm    |
| Avg    | .12104 | .00119 | -.02934 | F -.01053 | .00208 | .00049 | .00420 |
| Stddev | .04314 | .00013 | .02908  | .00219    | .00155 | .00031 | .00212 |
| %RSD   | 35.643 | 11.000 | 99.101  | 20.844    | 74.280 | 64.027 | 50.534 |

|    |        |        |         |         |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|
| #1 | .09976 | .00130 | -.06161 | -.00832 | .00055 | .00015 | .00566 |
| #2 | .17069 | .00123 | -.00517 | -.01056 | .00365 | .00055 | .00517 |
| #3 | .09267 | .00105 | -.02125 | -.01271 | .00205 | .00077 | .00177 |



Sample Name: CCB12      Acquired: 8/15/2019 0:37:56      Type: Unk  
Method: P4-ICP2(v33338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |         |          |          |
|-----------|--------|--------|---------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg       | .00291 | .0010  | -.00002 | F<.00000 | F<.00000 |
| Stddev    | .00183 | .0019  | .00016  | 1.1855   | 1.2183   |
| %RSD      | 62.766 | 199.2  | 1046.5  | 40.672   | 21.153   |
| #1        | .00407 | .0017  | .00000  | -2.5996  | -4.4921  |
| #2        | .00387 | .0024  | -.00018 | -1.9188  | -6.9220  |
| #3        | .00081 | -.0012 | .00013  | -4.2261  | -5.8645  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2674.2 | 29746. | 3052.6  | 35.862   | 2730.5   |
| Stddev    | 12.9   | 63.    | 11.2    | .762     | 7.4      |
| %RSD      | .48337 | .21266 | .36544  | 2.1241   | .27089   |
| #1        | 2667.8 | 29819. | 3042.8  | 35.025   | 2729.3   |
| #2        | 2665.6 | 29712. | 3050.1  | 36.045   | 2723.8   |
| #3        | 2689.0 | 29708. | 3064.8  | 36.515   | 2738.5   |

Sample Name: K4329-04LX5      Acquired: 8/15/2019 0:42:26      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00700 | -.00144 | -.00009 | -.00544 | -.00055 | -.02000 | .00661 |
| Stddev | .00258 | .00052  | .00123  | .00286  | .00315  | .01425  | .00029 |
| %RSD   | 36.883 | 35.753  | 1324.3  | 52.602  | 570.11  | 71.230  | 4.3900 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00901 | -.00200 | -.00133 | -.00384 | .00109  | -.00621 | .00693 |
| #2 | .00791 | -.00099 | .00113  | -.00373 | -.00418 | -.03466 | .00635 |
| #3 | .00409 | -.00133 | -.00007 | -.00874 | .00143  | -.01914 | .00656 |

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00001 | -.00006 | 1.3047 | -.00025 | .00008 | .00006 | .01669 |
| Stddev | .00006 | .00011  | .0169  | .00007  | .00014 | .00021 | .00046 |
| %RSD   | 628.24 | 189.82  | 1.2926 | 29.489  | 181.77 | 341.85 | 2.7683 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | .00007  | .00003  | 1.2870 | -.00033 | .00017  | -.00002 | .01676 |
| #2 | -.00004 | -.00002 | 1.3064 | -.00019 | .00014  | -.00009 | .01620 |
| #3 | -.00001 | -.00019 | 1.3206 | -.00022 | -.00008 | .00030  | .01712 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00491 | .37655 | .00151 | -.00360 | 6.2910 | -.00052 | .00347 |
| Stddev | .00018 | .01393 | .00038 | .00033  | .0194  | .00064  | .00002 |
| %RSD   | 3.6524 | 3.6989 | 24.845 | 9.1670  | .30839 | 121.61  | .68833 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .00487 | .37319 | .00121 | -.00380 | 6.2737 | .00014  | .00348 |
| #2 | .00510 | .36461 | .00194 | -.00322 | 6.2873 | -.00114 | .00348 |
| #3 | .00475 | .39185 | .00140 | -.00379 | 6.3120 | -.00057 | .00344 |

|        |        |        |         |        |        |         |        |
|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .30685 | .00043 | -.02549 | .10345 | .56997 | -.00133 | .00100 |
| Stddev | .00836 | .00021 | .02142  | .00623 | .00297 | .00046  | .00295 |
| %RSD   | 2.7237 | 49.457 | 84.025  | 6.0249 | .52113 | 34.347  | 293.69 |

|    |        |        |         |        |        |         |         |
|----|--------|--------|---------|--------|--------|---------|---------|
| #1 | .29938 | .00064 | -.03098 | .10039 | .56783 | -.00185 | .00437  |
| #2 | .30528 | .00043 | -.00186 | .11062 | .57336 | -.00114 | -.00023 |
| #3 | .31588 | .00021 | -.04362 | .09933 | .56872 | -.00100 | -.00113 |

Sample Name: K4329-04LX5      Acquired: 8/15/2019 0:42:26      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00605 | .0034  | .01104 | <.00000 | F<.00000 |
| Stddev    | .00123 | .0020  | .00009 | 1.3336  | 2.2726   |
| %RSD      | 20.274 | 57.52  | .81627 | 42.628  | 51.462   |
| #1        | .00490 | .0013  | .01101 | -2.4811 | -2.2170  |
| #2        | .00591 | .0037  | .01114 | -4.6621 | -6.7557  |
| #3        | .00735 | .0053  | .01097 | -2.2420 | -4.2757  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2694.7 | 29965. | 3084.4 | 35.757  | 2776.2   |
| Stddev    | 2.9    | 38.    | 13.0   | 1.516   | 5.9      |
| %RSD      | .10817 | .12660 | .41999 | 4.2389  | .21304   |
| #1        | 2692.7 | 29922. | 3069.6 | 34.215  | 2769.5   |
| #2        | 2698.0 | 29978. | 3089.9 | 35.810  | 2780.7   |
| #3        | 2693.4 | 29995. | 3093.7 | 37.245  | 2778.4   |

Sample Name: K4329-04MS      Acquired: 8/15/2019 0:46:55      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: WATER-PITMS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75716 | 1.8190 | .93450 | 1.8079 | .78777 | 1.8549 | .23017 | .19059 |
| Stddev | .00390 | .0039  | .00054 | .0058  | .00399 | .0081  | .00141 | .00071 |
| %RSD   | .51570 | .21639 | .05794 | .31861 | .50657 | .43579 | .61370 | .37218 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75341 | 1.8216 | .93491 | 1.8072 | .78338 | 1.8456 | .22919 | .19130 |
| #2 | .75686 | 1.8208 | .93470 | 1.8140 | .78877 | 1.8600 | .23179 | .19061 |
| #3 | .76120 | 1.8144 | .93389 | 1.8026 | .79117 | 1.8591 | .22953 | .18988 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18294 | 7.6202 | .39610 | .18964 | .30640 | 3.1513 | .22449 | 4.0326 |
| Stddev | .00050 | .0536  | .00199 | .00038 | .00046 | .0074  | .00042 | .0302  |
| %RSD   | .27076 | .70393 | .50122 | .20294 | .14940 | .23460 | .18753 | .74996 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18307 | 7.5621 | .39626 | .19006 | .30688 | 3.1575 | .22468 | 4.0170 |
| #2 | .18336 | 7.6678 | .39404 | .18956 | .30634 | 3.1431 | .22401 | 4.0674 |
| #3 | .18240 | 7.6306 | .39801 | .18930 | .30597 | 3.1534 | .22479 | 4.0133 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .47084 | .06544 | 30.959 | .30079 | .20279 | 10.773 | .39596 | .28391 |
| Stddev | .00063 | .00068 | .125   | .00256 | .00072 | .078   | .00067 | .00466 |
| %RSD   | .13418 | 1.0378 | .40404 | .85259 | .35288 | .72060 | .16818 | 1.6402 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .47036 | .06607 | 30.830 | .30087 | .20286 | 10.724 | .39533 | .28809 |
| #2 | .47156 | .06553 | 31.079 | .29819 | .20348 | 10.862 | .39589 | .28476 |
| #3 | .47061 | .06472 | 30.967 | .30332 | .20205 | 10.732 | .39666 | .27889 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .54428 | 3.7457 | .66209 | .19682 | .11345 | 5.223  | .25732 | <.00000 |
| Stddev | .00602 | .0034  | .00158 | .00483 | .00060 | .008   | .00200 | .35636  |
| %RSD   | 1.1063 | .09198 | .23859 | 2.4527 | .52468 | .1589  | .77535 | 21.210  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | .54778 | 3.7450 | .66378 | .19925 | .11297 | 5.229 | .25529 | -1.9969 |
| #2 | .54774 | 3.7494 | .66066 | .19995 | .11412 | 5.227 | .25928 | -1.7492 |
| #3 | .53733 | 3.7426 | .66184 | .19126 | .11327 | 5.214 | .25738 | -1.2943 |

Sample Name: K4329-04MS      Acquired: 8/15/2019 0:46:55      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: WATER-PITMS      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.2703 |
| Stddev | 2.0573 |
| %RSD   | 48.177 |

|    |        |
|----|--------|
| #1 | 4.7878 |
| #2 | 6.0196 |
| #3 | 2.0037 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2631.0 | 29583. | 3024.2 | 35.620 | 2650.4 |
| Stddev    | 3.4    | 164.   | 12.0   | .288   | 5.6    |
| %RSD      | .12817 | .55345 | .39660 | .80939 | .21008 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2627.3 | 29399. | 3014.5 | 35.899 | 2645.4 |
| #2 | 2633.8 | 29634. | 3020.5 | 35.638 | 2649.4 |
| #3 | 2632.0 | 29715. | 3037.6 | 35.323 | 2656.4 |

Sample Name: K4329-04MSD      Acquired: 8/15/2019 0:51:06      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: WATER-PITMSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .75435 | 1.8174 | .93015 | 1.7939 | .79361 | 1.8791 | .23134 | .19018  |
| Stddev | .00268 | .0042  | .00527 | .0111  | .00225 | .0226  | .00292 | .00028  |
| %RSD   | .35529 | .22947 | .56606 | .61864 | .28412 | 1.2041 | 1.2622 | .14746  |
| #1     | .75740 | 1.8141 | .93614 | 1.8053 | .79370 | 1.8530 | .22847 | .18997  |
| #2     | .75240 | 1.8161 | .92625 | 1.7831 | .79582 | 1.8931 | .23124 | .19049  |
| #3     | .75324 | 1.8221 | .92806 | 1.7932 | .79131 | 1.8912 | .23431 | .19006  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .18363 | 7.8342 | .39551 | .19001 | .30596 | 3.1455 | .22493 | 4.0967  |
| Stddev | .00055 | .0293  | .00107 | .00095 | .00030 | .0063  | .00012 | .0794   |
| %RSD   | .29685 | .37361 | .26994 | .49996 | .09884 | .20097 | .05382 | 1.9372  |
| #1     | .18426 | 7.8016 | .39531 | .19110 | .30621 | 3.1384 | .22480 | 4.0052  |
| #2     | .18336 | 7.8582 | .39456 | .18954 | .30605 | 3.1506 | .22494 | 4.1380  |
| #3     | .18328 | 7.8428 | .39667 | .18938 | .30563 | 3.1473 | .22505 | 4.1469  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .47045 | .06534 | 31.902 | .29791 | .20158 | 10.840 | .39711 | .26203  |
| Stddev | .00255 | .00081 | .276   | .00158 | .00105 | .096   | .00196 | .02446  |
| %RSD   | .54280 | 1.2416 | .86657 | .52994 | .51922 | .88297 | .49244 | 9.3361  |
| #1     | .47337 | .06487 | 31.584 | .29837 | .20278 | 10.735 | .39927 | .29028  |
| #2     | .46933 | .06627 | 32.085 | .29920 | .20093 | 10.923 | .39661 | .24823  |
| #3     | .46865 | .06486 | 32.037 | .29615 | .20102 | 10.863 | .39545 | .24759  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .55392 | 3.8300 | .66139 | .19823 | .11019 | 5.215  | .25889 | <.00000 |
| Stddev | .00311 | .0289  | .00307 | .00235 | .00066 | .029   | .00169 | .42840  |
| %RSD   | .56225 | .75439 | .46484 | 1.1851 | .59771 | .5478  | .65423 | 16.052  |
| #1     | .55620 | 3.8623 | .66490 | .19602 | .11088 | 5.247  | .25706 | -2.6689 |
| #2     | .55518 | 3.8213 | .66006 | .19798 | .10957 | 5.193  | .26040 | -2.2404 |
| #3     | .55037 | 3.8065 | .65920 | .20070 | .11010 | 5.205  | .25922 | -3.0972 |

Sample Name: K4329-04MSD      Acquired: 8/15/2019 0:51:06      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: WATER-PITMSD Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.2823 |
| Stddev | 3.8205 |
| %RSD   | 297.95 |

|    |         |
|----|---------|
| #1 | 4.9064  |
| #2 | 1.6485  |
| #3 | -2.7082 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2644.8 | 29608. | 3037.3 | 34.557 | 2664.7 |
| Stddev    | 9.5    | 117.   | 34.0   | .542   | 10.1   |
| %RSD      | .35870 | .39557 | 1.1185 | 1.5686 | .38031 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2638.1 | 29618. | 3017.9 | 34.438 | 2654.7 |
| #2 | 2640.7 | 29486. | 3017.4 | 34.084 | 2664.4 |
| #3 | 2655.7 | 29719. | 3076.5 | 35.148 | 2675.0 |

Sample Name: K4329-04A      Acquired: 8/15/2019 0:55:16      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75527 | 1.8034 | .92603 | 1.7933 | .79125 | 1.8678 | .23119 | .18955 |
| Stddev | .00224 | .0009  | .00297 | .0033  | .00015 | .0103  | .00218 | .00051 |
| %RSD   | .29698 | .05172 | .32020 | .18596 | .01923 | .54971 | .94150 | .26741 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75332 | 1.8042 | .92752 | 1.7906 | .79142 | 1.8644 | .22901 | .18904 |
| #2 | .75476 | 1.8024 | .92797 | 1.7923 | .79113 | 1.8596 | .23337 | .19005 |
| #3 | .75772 | 1.8036 | .92262 | 1.7970 | .79120 | 1.8793 | .23120 | .18956 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18215 | 7.7290 | .39577 | .18829 | .30519 | 3.1390 | .22424 | 4.0522 |
| Stddev | .00015 | .0751  | .00025 | .00032 | .00036 | .0117  | .00041 | .0207  |
| %RSD   | .08409 | .97121 | .06306 | .16822 | .11749 | .37251 | .18122 | .50981 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18220 | 7.6995 | .39605 | .18862 | .30560 | 3.1256 | .22389 | 4.0653 |
| #2 | .18228 | 7.8143 | .39557 | .18825 | .30494 | 3.1470 | .22469 | 4.0284 |
| #3 | .18198 | 7.6732 | .39570 | .18799 | .30503 | 3.1443 | .22414 | 4.0629 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .46827 | .06480 | 31.531 | .29881 | .19993 | 10.824 | .39518 | .26517 |
| Stddev | .00104 | .00121 | .066   | .00459 | .00046 | .050   | .00080 | .01326 |
| %RSD   | .22224 | 1.8673 | .21033 | 1.5369 | .22876 | .46608 | .20259 | 5.0006 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .46836 | .06577 | 31.509 | .29435 | .20025 | 10.774 | .39573 | .25899 |
| #2 | .46719 | .06517 | 31.606 | .30352 | .20012 | 10.875 | .39426 | .28039 |
| #3 | .46926 | .06344 | 31.479 | .29856 | .19940 | 10.824 | .39555 | .25612 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .54315 | 3.8395 | .65795 | .19793 | .11270 | 5.185  | .26055 | <.00000 |
| Stddev | .00123 | .0439  | .00200 | .00148 | .00156 | .012   | .00303 | .34901  |
| %RSD   | .22579 | 1.1444 | .30330 | .74916 | 1.3865 | .2345  | 1.1631 | 8.5300  |

|    |        |        |        |        |        |       |        |         |
|----|--------|--------|--------|--------|--------|-------|--------|---------|
| #1 | .54323 | 3.8103 | .65629 | .19720 | .11090 | 5.195 | .25767 | -4.3582 |
| #2 | .54189 | 3.8900 | .66016 | .19964 | .11366 | 5.171 | .26371 | -4.2197 |
| #3 | .54434 | 3.8181 | .65740 | .19695 | .11355 | 5.189 | .26027 | -3.6965 |



Sample Name: K4329-04A      Acquired: 8/15/2019 0:55:16      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.3264 |
| Stddev | 4.2700 |
| %RSD   | 98.697 |

|    |        |
|----|--------|
| #1 | 8.7895 |
| #2 | .28008 |
| #3 | 3.9095 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2635.5 | 29574. | 3002.2 | 34.472 | 2661.8 |
| Stddev    | 6.1    | 36.    | 21.8   | .577   | 8.0    |
| %RSD      | .22966 | .12179 | .72761 | 1.6730 | .30221 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2641.2 | 29554. | 3018.3 | 34.886 | 2670.8 |
| #2 | 2636.1 | 29616. | 2977.3 | 34.716 | 2658.9 |
| #3 | 2629.2 | 29553. | 3010.9 | 33.813 | 2655.5 |

Sample Name: K4333-02      Acquired: 8/15/2019 0:59:26      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: FRAC-TANK      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00399 | -.00303 | .00038 | -.00290 | -.00200 | .67549 | .05994 |
| Stddev | .00075 | .00114  | .00073 | .00169  | .00247  | .00747 | .00074 |
| %RSD   | 18.802 | 37.565  | 194.03 | 58.308  | 123.43  | 1.1052 | 1.2419 |

|    |        |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00479 | -.00179 | .00116  | -.00095 | .00021  | .67256 | .05963 |
| #2 | .00388 | -.00327 | -.00028 | -.00392 | -.00467 | .66993 | .06078 |
| #3 | .00330 | -.00402 | .00025  | -.00383 | -.00155 | .68398 | .05939 |

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00000 | -.00002 | .21660 | .00155 | -.00021 | .00757 | .00796 |
| Stddev | .00009  | .00000  | .01459 | .00021 | .00021  | .00080 | .00086 |
| %RSD   | 15344.  | 26.169  | 6.7341 | 13.460 | 98.648  | 10.555 | 10.760 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | -.00009 | -.00002 | .20761 | .00168 | -.00040 | .00694 | .00698 |
| #2 | .00009  | -.00001 | .20876 | .00131 | .00001  | .00730 | .00854 |
| #3 | .00000  | -.00002 | .23343 | .00166 | -.00023 | .00847 | .00836 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00001 | .06154 | .00123 | -.00354 | 72.341 | .00177 | .01607 |
| Stddev | .00001 | .04232 | .00064 | .00045  | .267   | .00068 | .00022 |
| %RSD   | 98.889 | 68.764 | 51.562 | 12.657  | .36926 | 38.239 | 1.3621 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00003 | .02705 | .00189 | -.00349 | 72.039 | .00197 | .01632 |
| #2 | .00001 | .10876 | .00062 | -.00311 | 72.440 | .00231 | .01592 |
| #3 | .00000 | .04881 | .00119 | -.00401 | 72.545 | .00101 | .01597 |

|        |        |        |         |        |        |         |         |
|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | 19.509 | .00175 | -.00813 | 1.3827 | 1.8029 | -.00078 | -.00025 |
| Stddev | .090   | .00016 | .02288  | .0005  | .0042  | .00023  | .00220  |
| %RSD   | .46107 | 9.1660 | 281.31  | .03889 | .23468 | 29.450  | 896.12  |

|    |        |        |         |        |        |         |         |
|----|--------|--------|---------|--------|--------|---------|---------|
| #1 | 19.406 | .00179 | -.02925 | 1.3833 | 1.8077 | -.00052 | .00095  |
| #2 | 19.573 | .00158 | -.01134 | 1.3824 | 1.7997 | -.00093 | -.00279 |
| #3 | 19.547 | .00190 | .01618  | 1.3823 | 1.8012 | -.00089 | .00110  |

Sample Name: K4333-02      Acquired: 8/15/2019 0:59:26      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: FRAC-TANK      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .00556 | .0060  | .08997 | <.00000 | F<.00000 |
| Stddev | .00130 | .0021  | .00045 | 1.1135  | 1.6944   |
| %RSD   | 23.445 | 34.79  | .50387 | 54.785  | 26.025   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .00705 | .0084 | .08969 | -1.8535 | -5.7599 |
| #2 | .00461 | .0044 | .08972 | -3.2245 | -5.3216 |
| #3 | .00503 | .0053 | .09049 | -1.0192 | -8.4509 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2638.8 | 29682. | 3066.1 | 35.439 | 2642.5 |
| Stddev    | 11.1   | 43.    | 15.8   | .947   | 10.6   |
| %RSD      | .41969 | .14438 | .51389 | 2.6732 | .40028 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2626.1 | 29634. | 3047.9 | 34.577 | 2631.9 |
| #2 | 2643.4 | 29696. | 3075.1 | 35.286 | 2642.7 |
| #3 | 2646.8 | 29716. | 3075.3 | 36.453 | 2653.0 |

Sample Name: CCV13      Acquired: 8/15/2019 1:03:54      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: ICSA8474      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9610 | 4.8161 | 4.9352 | 4.8606 | 4.8937 | 9.3327 | 9.6613 |
| Stddev | .0122  | .0051  | .0132  | .0119  | .0173  | .0331  | .0117  |
| %RSD   | .24564 | .10571 | .26727 | .24416 | .35341 | .35429 | .12081 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.9540 | 4.8126 | 4.9206 | 4.8470 | 4.8747 | 9.3405 | 9.6548 |
| #2 | 4.9539 | 4.8138 | 4.9386 | 4.8655 | 4.8977 | 9.2964 | 9.6748 |
| #3 | 4.9750 | 4.8220 | 4.9463 | 4.8692 | 4.9086 | 9.3611 | 9.6543 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25053 | 2.4426 | 24.369 | .97367 | 2.4326 | 1.2479 | 5.0354 |
| Stddev | .00040 | .0039  | .144   | .00335 | .0035  | .0039  | .0128  |
| %RSD   | .15828 | .16108 | .59262 | .34410 | .14567 | .31381 | .25472 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25027 | 2.4401 | 24.290 | .97743 | 2.4307 | 1.2440 | 5.0499 |
| #2 | .25099 | 2.4406 | 24.280 | .97257 | 2.4304 | 1.2478 | 5.0255 |
| #3 | .25033 | 2.4471 | 24.535 | .97100 | 2.4367 | 1.2519 | 5.0307 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4674 | 24.027 | 2.4160 | 1.2155 | 24.072 | 2.4110 | 2.4381 |
| Stddev | .0046  | .114   | .0057  | .0017  | .059   | .0065  | .0029  |
| %RSD   | .18609 | .47325 | .23551 | .13541 | .24658 | .26759 | .12015 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4719 | 23.913 | 2.4095 | 1.2169 | 24.087 | 2.4180 | 2.4350 |
| #2 | 2.4627 | 24.027 | 2.4198 | 1.2137 | 24.121 | 2.4054 | 2.4384 |
| #3 | 2.4675 | 24.141 | 2.4188 | 1.2160 | 24.006 | 2.4095 | 2.4409 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 23.681 | 4.8680 | 4.5253 | 4.7630 | 4.9530 | 4.8344 | 4.7815 |
| Stddev | .124   | .0086  | .0109  | .0079  | .0323  | .0158  | .0264  |
| %RSD   | .52377 | .17692 | .24078 | .16570 | .65176 | .32604 | .55164 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 23.588 | 4.8592 | 4.5168 | 4.7657 | 4.9202 | 4.8181 | 4.7520 |
| #2 | 23.633 | 4.8685 | 4.5216 | 4.7541 | 4.9540 | 4.8496 | 4.7900 |
| #3 | 23.822 | 4.8764 | 4.5376 | 4.7692 | 4.9848 | 4.8355 | 4.8026 |

Sample Name: CCV13      Acquired: 8/15/2019 1:03:54      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: ICSA8474      Custom ID2:      Custom ID3:  
 Comment:

|           |          |        |        |          |          |
|-----------|----------|--------|--------|----------|----------|
| Elem      | Li6707   | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm      | ppm    | ppm    | ppm      | ppm      |
| Avg       | F 3.6933 | 4.748  | 4.9159 | F<.00000 | F .64296 |
| Stddev    | .0212    | .014   | .0253  | .76159   | 2.2715   |
| %RSD      | .57444   | .2910  | .51401 | 32.243   | 353.30   |
| #1        | 3.6747   | 4.753  | 4.8872 | -1.7002  | -1.9742  |
| #2        | 3.6888   | 4.733  | 4.9256 | -3.1945  | 2.1027   |
| #3        | 3.7164   | 4.759  | 4.9348 | -2.1914  | 1.8003   |
| Int. Std. | Y_2243   | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S    | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 2665.1   | 29869. | 3086.2 | 34.454   | 2536.4   |
| Stddev    | 1.1      | 65.    | 10.5   | .604     | 2.7      |
| %RSD      | .04224   | .21854 | .33884 | 1.7535   | .10519   |
| #1        | 2666.3   | 29796. | 3093.5 | 34.065   | 2533.4   |
| #2        | 2664.1   | 29921. | 3091.0 | 35.150   | 2537.4   |
| #3        | 2665.0   | 29890. | 3074.2 | 34.147   | 2538.4   |

Sample Name: CCB13      Acquired: 8/15/2019 1:07:54      Type: Unk  
Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin      Custom ID1: ICSAB8474      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |         |         |         |         |
|--------|----------|--------|--------|---------|---------|---------|---------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934  |
| Units  | ppm      | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | F .00558 | .00047 | .00127 | -.00562 | -.00157 | -.02914 | -.00041 |
| Stddev | .00229   | .00168 | .00223 | .00530  | .00011  | .00967  | .00025  |
| %RSD   | 41.044   | 355.60 | 175.44 | 94.266  | 6.8771  | 33.185  | 60.974  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00813 | .00222  | .00382  | -.00641 | -.00163 | -.02080 | -.00068 |
| #2 | .00491 | .00034  | -.00031 | .00003  | -.00145 | -.02687 | -.00020 |
| #3 | .00370 | -.00114 | .00030  | -.01048 | -.00164 | -.03974 | -.00033 |

|        |        |         |        |         |         |        |         |
|--------|--------|---------|--------|---------|---------|--------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00008 | -.00007 | .00302 | -.00007 | -.00004 | .00011 | -.00007 |
| Stddev | .00007 | .00004  | .03825 | .00018  | .00026  | .00072 | .00100  |
| %RSD   | 87.774 | 54.847  | 1268.2 | 265.33  | 707.48  | 688.01 | 1463.7  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00016 | -.00010 | .03580  | -.00003 | .00023  | .00067  | .00109  |
| #2 | .00004 | -.00003 | .01226  | .00009  | -.00030 | -.00071 | -.00067 |
| #3 | .00005 | -.00008 | -.03901 | -.00027 | -.00005 | .00036  | -.00062 |

|        |         |        |        |         |          |         |         |
|--------|---------|--------|--------|---------|----------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895   | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm      | ppm     | ppm     |
| Avg    | -.00002 | .02397 | .00071 | -.00311 | F .74960 | -.00123 | -.00071 |
| Stddev | .00010  | .06701 | .00064 | .00051  | .02311   | .00019  | .00010  |
| %RSD   | 612.77  | 279.59 | 91.258 | 16.417  | 3.0824   | 15.567  | 14.121  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | .00009  | -.05126 | .00004 | -.00253 | .76318 | -.00142 | -.00081 |
| #2 | -.00011 | .07726  | .00133 | -.00328 | .76270 | -.00124 | -.00061 |
| #3 | -.00003 | .04590  | .00074 | -.00351 | .72293 | -.00104 | -.00072 |

|        |        |        |         |         |        |         |        |
|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .03318 | .00137 | -.01737 | -.00772 | .00431 | -.00003 | .00296 |
| Stddev | .06575 | .00031 | .00640  | .00474  | .00236 | .00167  | .00170 |
| %RSD   | 198.13 | 22.768 | 36.836  | 61.500  | 54.741 | 6203.6  | 57.422 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | .09856  | .00173 | -.01117 | -.00557 | .00447 | -.00115 | .00417 |
| #2 | -.03292 | .00114 | -.01700 | -.01315 | .00188 | .00189  | .00370 |
| #3 | .03392  | .00125 | -.02395 | -.00442 | .00659 | -.00082 | .00102 |

Sample Name: CCB13      Acquired: 8/15/2019 1:07:54      Type: Unk  
 Method: P4-ICP2(v3338)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin      Custom ID1: ICSAB8474      Custom ID2:      Custom ID3:  
 Comment:

|           |          |        |         |          |          |
|-----------|----------|--------|---------|----------|----------|
| Elem      | Li6707   | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm      | ppm    | ppm     | ppm      | ppm      |
| Avg       | F .00615 | .0040  | -.00005 | F<.00000 | F<.00000 |
| Stddev    | .00115   | .0013  | .00006  | .22072   | 1.3668   |
| %RSD      | 18.769   | 32.36  | 110.86  | 4.3023   | 31.300   |
| #1        | .00625   | .0025  | -.00006 | -5.3504  | -3.0942  |
| #2        | .00494   | .0048  | .00001  | -5.1318  | -5.8114  |
| #3        | .00724   | .0046  | -.00010 | -4.9089  | -4.1944  |
| Int. Std. | Y_2243   | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S    | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 2696.7   | 29772. | 3080.7  | 35.702   | 2745.0   |
| Stddev    | 12.2     | 42.    | 12.4    | .514     | 13.0     |
| %RSD      | .45283   | .14237 | .40172  | 1.4399   | .47456   |
| #1        | 2684.6   | 29732. | 3073.3  | 35.890   | 2732.0   |
| #2        | 2696.5   | 29769. | 3073.9  | 36.095   | 2745.1   |
| #3        | 2709.0   | 29816. | 3095.0  | 35.120   | 2758.0   |