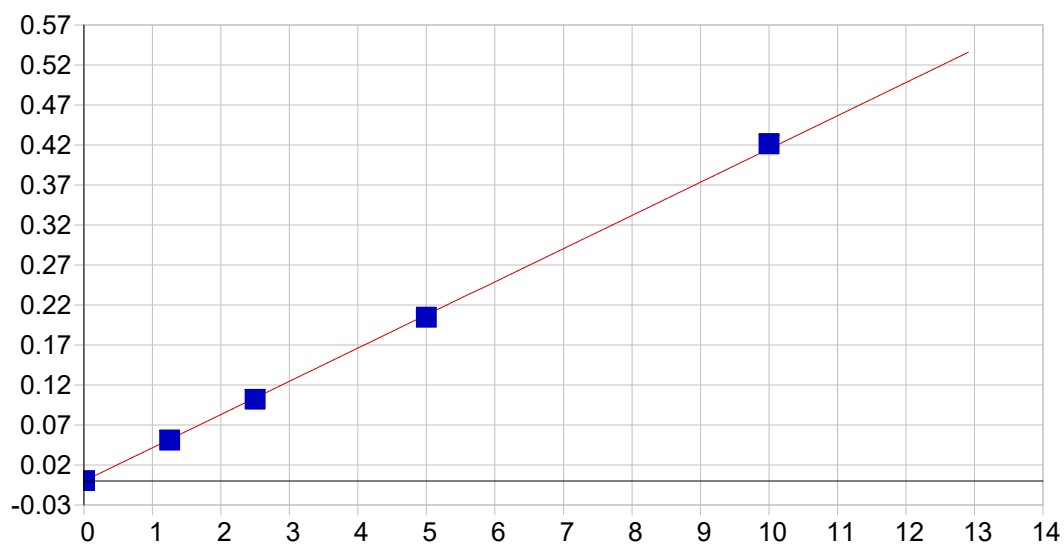


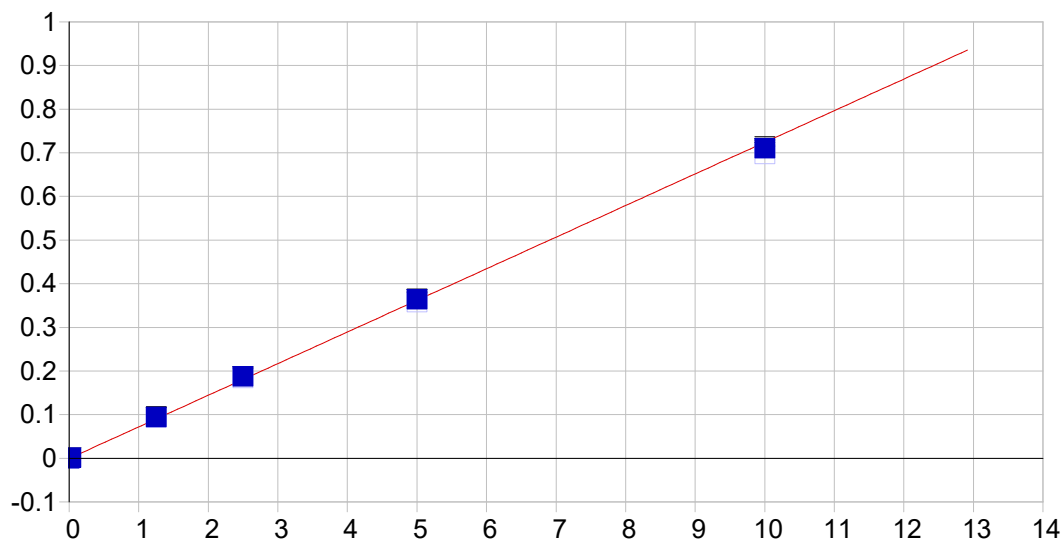


**As 189.042 {479}**

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000090 Re-Slope: 1.000000  
 A1 (Gain): 0.041519 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999876 Status: OK.  
 Std Error of Est: 0.000011  
 Predicted MDL: 0.003001  
 Predicted MQL: 0.010004

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00009 | .000    | 1        |
| S1        | .01000       | .00912      | -.001      | -8.78   | .00029  | .000    | 1        |
| S2        | 1.2500       | 1.2233      | -.027      | -2.14   | .05058  | .000    | 1        |
| S3        | 2.5000       | 2.4592      | -.041      | -1.63   | .10177  | .000    | 1        |
| S4        | 5.0000       | 4.9229      | -.077      | -1.54   | .20381  | .001    | 1        |
| S5        | 10.000       | 10.145      | .145       | 1.45    | .42016  | .001    | 1        |

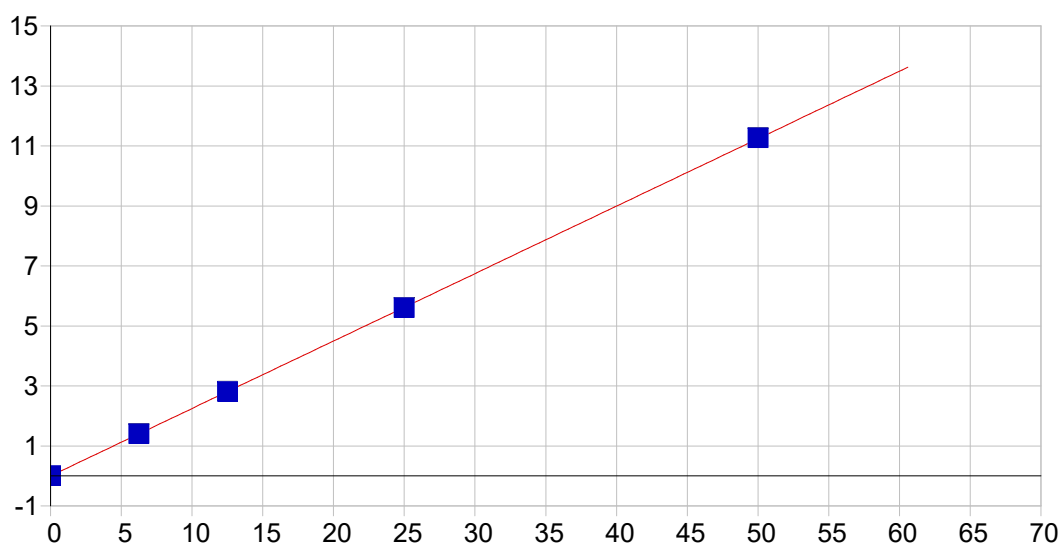


**TI 190.856 {477}**

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000484 Re-Slope: 1.000000  
 A1 (Gain): 0.072462 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999713 Status: OK.  
 Std Error of Est: 0.000045  
 Predicted MDL: 0.002005  
 Predicted MQL: 0.006683

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00048 | .000    | 1        |
| S1        | .02500       | .02657      | .002       | 6.27    | .00137  | .000    | 1        |
| S2        | 1.2500       | 1.3132      | .063       | 5.05    | .09300  | .000    | 1        |
| S3        | 2.5000       | 2.5888      | .089       | 3.55    | .18377  | .001    | 1        |
| S4        | 5.0000       | 5.0375      | .038       | .750    | .35787  | .000    | 1        |
| S5        | 10.000       | 9.8090      | -.191      | -1.91   | .69694  | .004    | 1        |

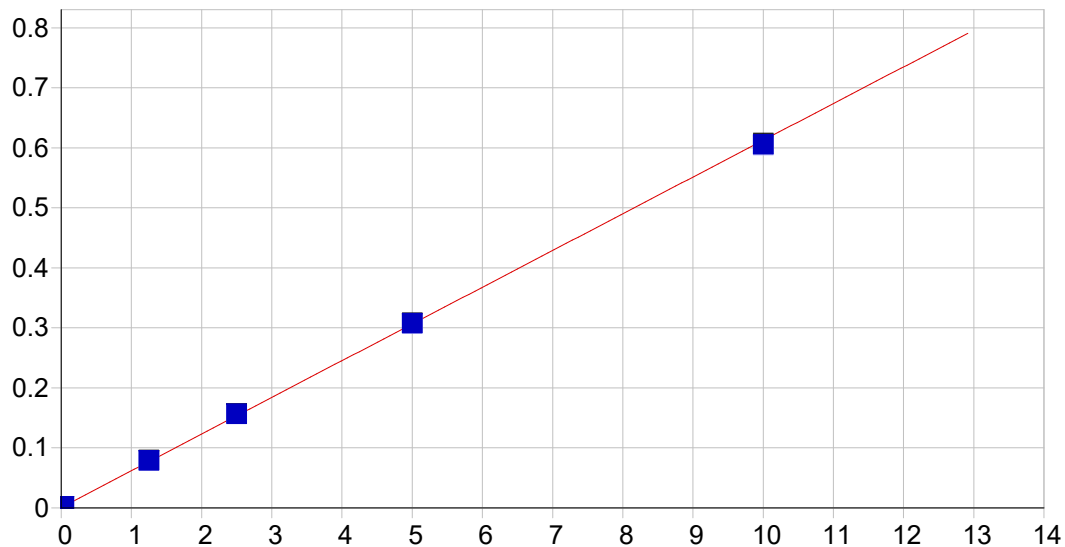


### Pb 220.353 {453}

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000032 Re-Slope: 1.000000  
 A1 (Gain): 0.224821 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999995 Status: OK.  
 Std Error of Est: 0.000027  
 Predicted MDL: 0.001525  
 Predicted MQL: 0.005082

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00003 | .000    | 1        |
| S1        | .01000       | .01229      | .002       | 22.9    | .00273  | .000    | 1        |
| S2        | 6.2500       | 6.2267      | -.023      | -.372   | 1.4001  | .005    | 1        |
| S3        | 12.500       | 12.495      | -.005      | -.042   | 2.8096  | .006    | 1        |
| S4        | 25.000       | 24.935      | -.065      | -.260   | 5.6070  | .005    | 1        |
| S5        | 50.000       | 50.091      | .091       | .182    | 11.264  | .008    | 1        |

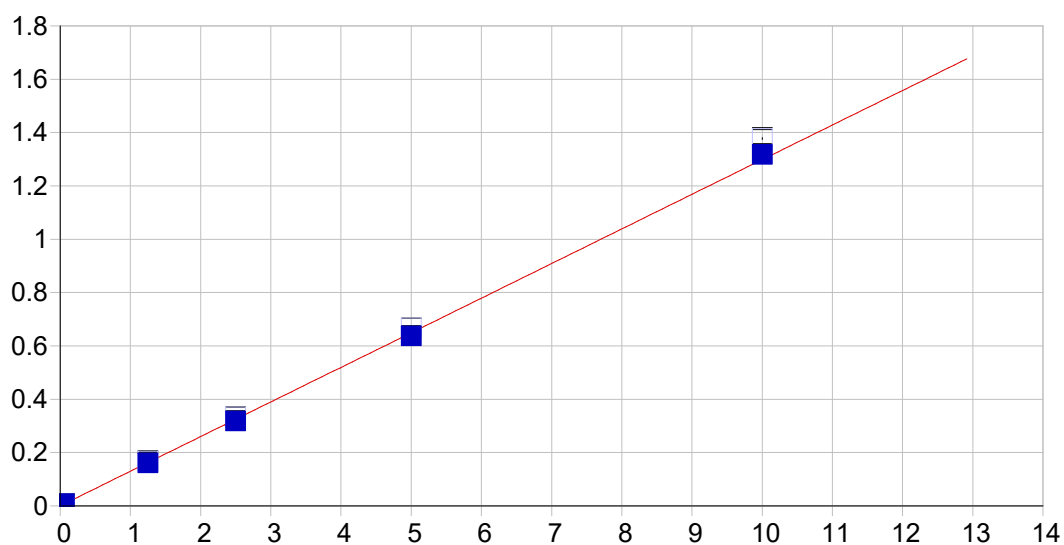


**Se 196.090 {472}**

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000637 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.061188 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999912 | Status:   | OK.      |
| Std Error of Est: | 0.000025 |           |          |
| Predicted MDL:    | 0.002794 |           |          |
| Predicted MQL:    | 0.009314 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00064 | .000    | 1        |
| S1        | .03500       | .03676      | .002       | 5.03    | .00289 | .000    | 1        |
| S2        | 1.2500       | 1.2812      | .031       | 2.50    | .07883 | .000    | 1        |
| S3        | 2.5000       | 2.5537      | .054       | 2.15    | .15649 | .001    | 1        |
| S4        | 5.0000       | 5.0215      | .022       | .430    | .30709 | .001    | 1        |
| S5        | 10.000       | 9.8918      | -.108      | -1.08   | .60429 | .002    | 1        |

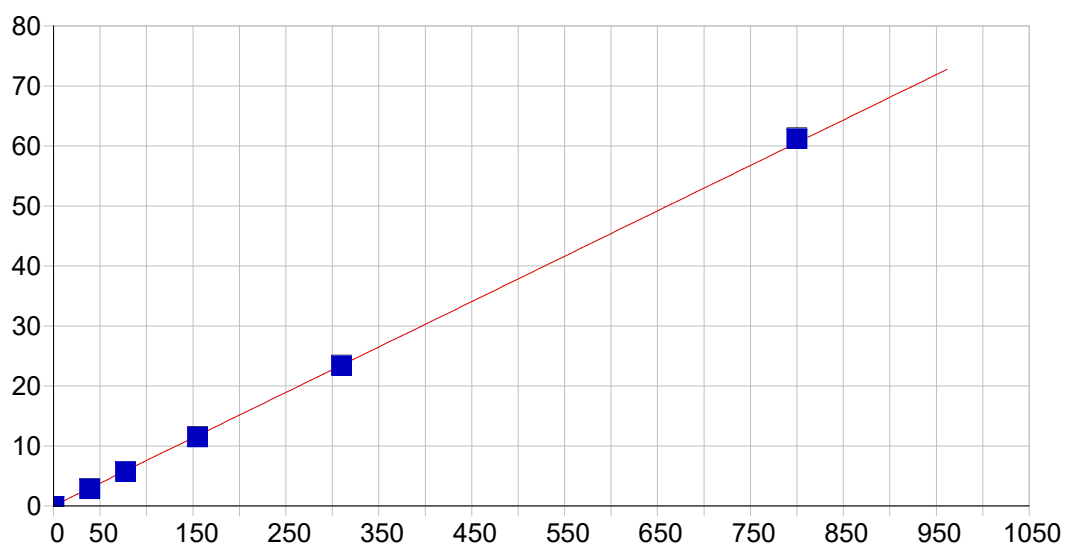


**Sb 206.833 {463}**

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000171 Re-Slope: 1.000000  
 A1 (Gain): 0.129817 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999870 Status: OK.  
 Std Error of Est: 0.000090  
 Predicted MDL: 0.001693  
 Predicted MQL: 0.005642

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00017 | .000    | 1        |
| S1        | .06000       | .06301      | .003       | 5.01    | .00836 | .000    | 1        |
| S2        | 1.2500       | 1.2381      | -.012      | -.951   | .16837 | .001    | 1        |
| S3        | 2.5000       | 2.4525      | -.048      | -1.90   | .33348 | .000    | 1        |
| S4        | 5.0000       | 4.9039      | -.096      | -1.92   | .66667 | .001    | 1        |
| S5        | 10.000       | 10.153      | .153       | 1.53    | 1.3779 | .003    | 1        |

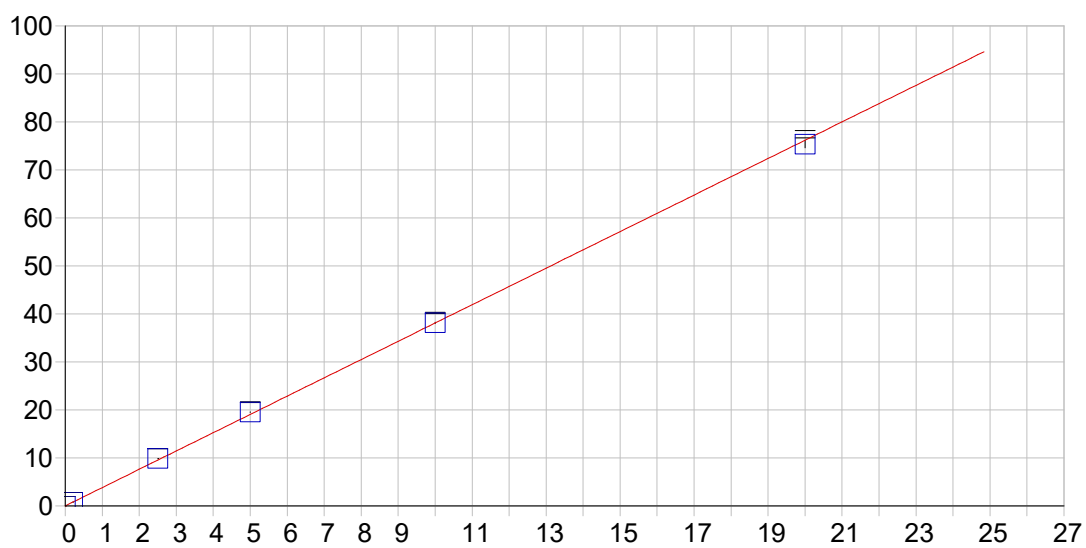


AI 396.152 { 85}

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003528 Re-Slope: 1.000000  
 A1 (Gain): 0.075655 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999893 Status: OK.  
 Std Error of Est: 0.000689  
 Predicted MDL: 0.012289  
 Predicted MQL: 0.040962

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | .00353 | .000    | 1        |
| S1        | .20000       | .19884      | -.001      | -.580   | .01883 | .001    | 1        |
| S2        | 38.750       | 37.253      | -1.50      | -3.86   | 2.8278 | .010    | 1        |
| S3        | 77.500       | 75.334      | -2.17      | -2.80   | 5.7146 | .017    | 1        |
| S4        | 155.00       | 151.55      | -3.45      | -2.23   | 11.492 | .037    | 1        |
| S5        | 310.00       | 308.48      | -1.52      | -.490   | 23.389 | .068    | 1        |
| S6        | 800.00       | 808.65      | 8.65       | 1.08    | 61.220 | .105    | 1        |

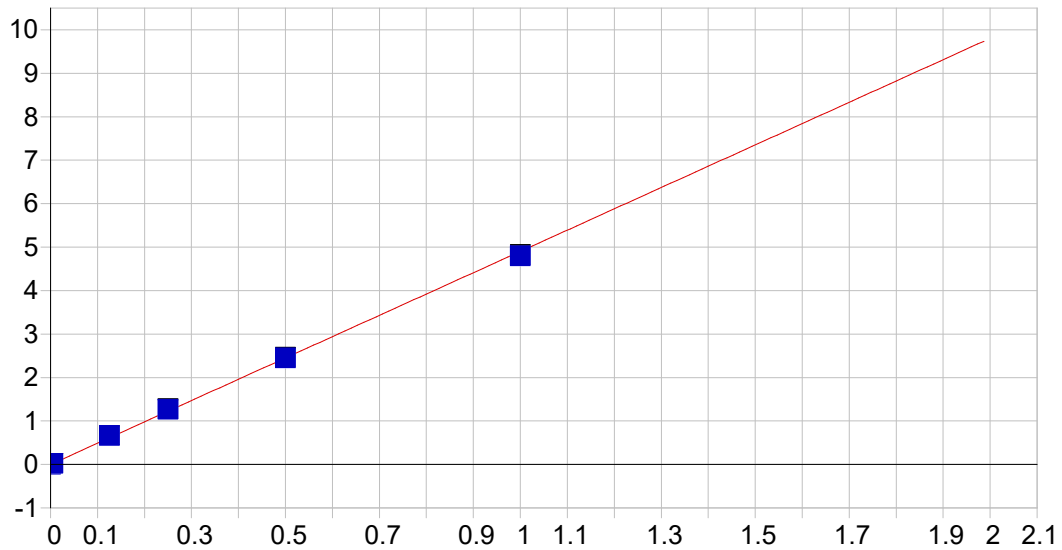


**Ba 493.409 { 68}**

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.016238 Re-Slope: 1.000000  
 A1 (Gain): 3.808825 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999886 Status: OK.  
 Std Error of Est: 0.006104  
 Predicted MDL: 0.000642  
 Predicted MQL: 0.002139

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .01617 | .001    | 1        |
| S1        | .20000       | .20732      | .007       | 3.66    | .80589 | .003    | 1        |
| S2        | 2.5000       | 2.5826      | .083       | 3.30    | 9.8529 | .018    | 1        |
| S3        | 5.0000       | 5.1248      | .125       | 2.50    | 19.536 | .078    | 1        |
| S4        | 10.000       | 10.007      | .007       | .068    | 38.131 | .147    | 1        |
| S5        | 20.000       | 19.778      | -.222      | -1.11   | 75.349 | .765    | 1        |



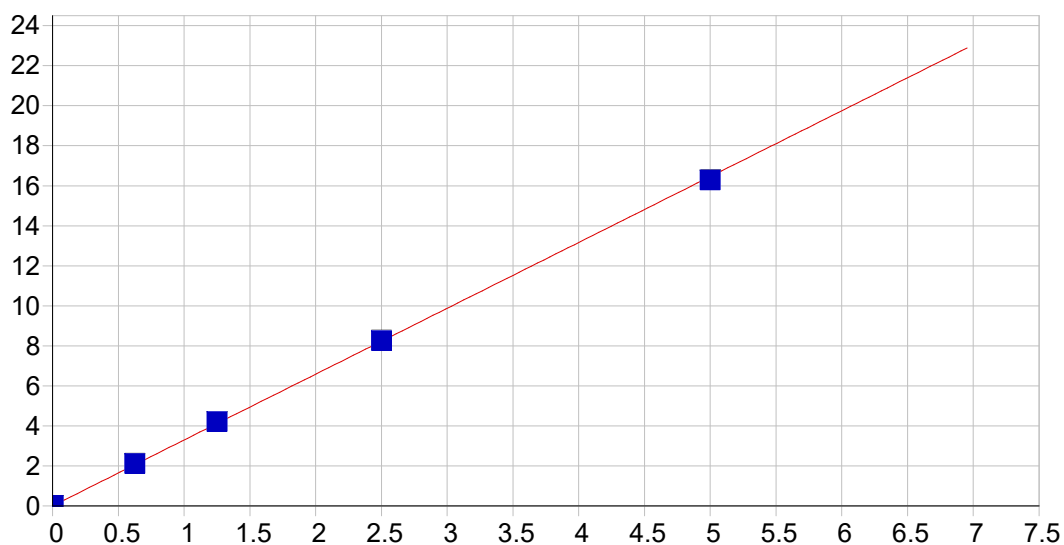
Be 234.861 {144}

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000934 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 4.901704  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999576  | Status:   | OK.      |
| Std Error of Est: | 0.000534  |           |          |
| Predicted MDL:    | 0.000076  |           |          |
| Predicted MQL:    | 0.000255  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00094 | .000    | 1        |
| S1        | .00500       | .00552      | .001       | 10.4    | .02612  | .000    | 1        |
| S2        | .12500       | .13489      | .010       | 7.91    | .65822  | .002    | 1        |
| S3        | .25000       | .25943      | .009       | 3.77    | 1.2666  | .011    | 1        |
| S4        | .50000       | .49998      | -.000      | -.004   | 2.4417  | .015    | 1        |
| S5        | 1.0000       | .98018      | -.020      | -1.98   | 4.7873  | .026    | 1        |



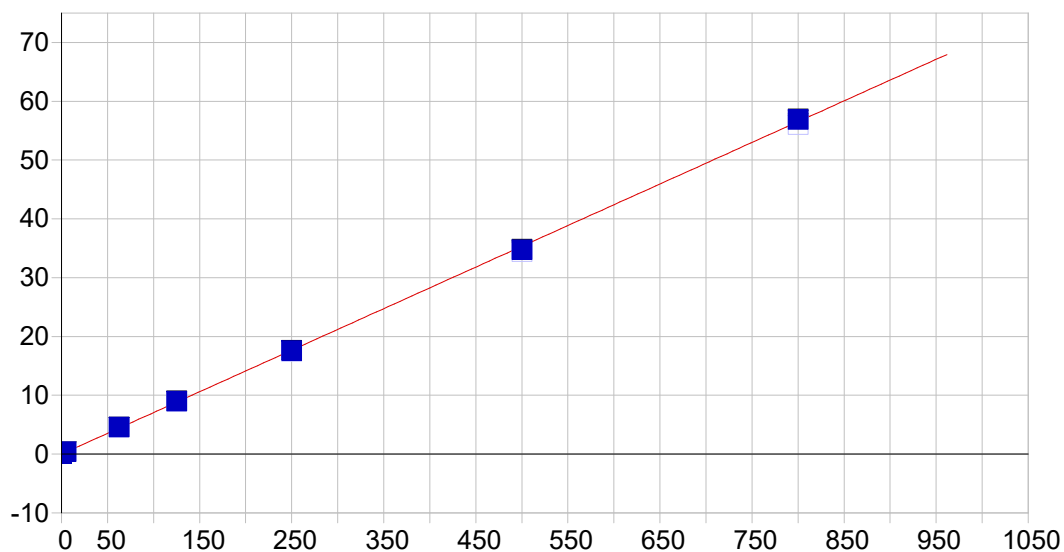


**Cd 214.438 {457}**

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000039 Re-Slope: 1.000000  
 A1 (Gain): 3.291583 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999901 Status: OK.  
 Std Error of Est: 0.000388  
 Predicted MDL: 0.000073  
 Predicted MQL: 0.000245

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00004 | .000    | 1        |
| S1        | .00500       | .00515      | .000       | 2.94    | .01699 | .000    | 1        |
| S2        | .62500       | .64271      | .018       | 2.83    | 2.1187 | .008    | 1        |
| S3        | 1.2500       | 1.2802      | .030       | 2.41    | 4.2202 | .009    | 1        |
| S4        | 2.5000       | 2.5069      | .007       | .276    | 8.2644 | .013    | 1        |
| S5        | 5.0000       | 4.9450      | -.055      | -1.10   | 16.302 | .008    | 1        |

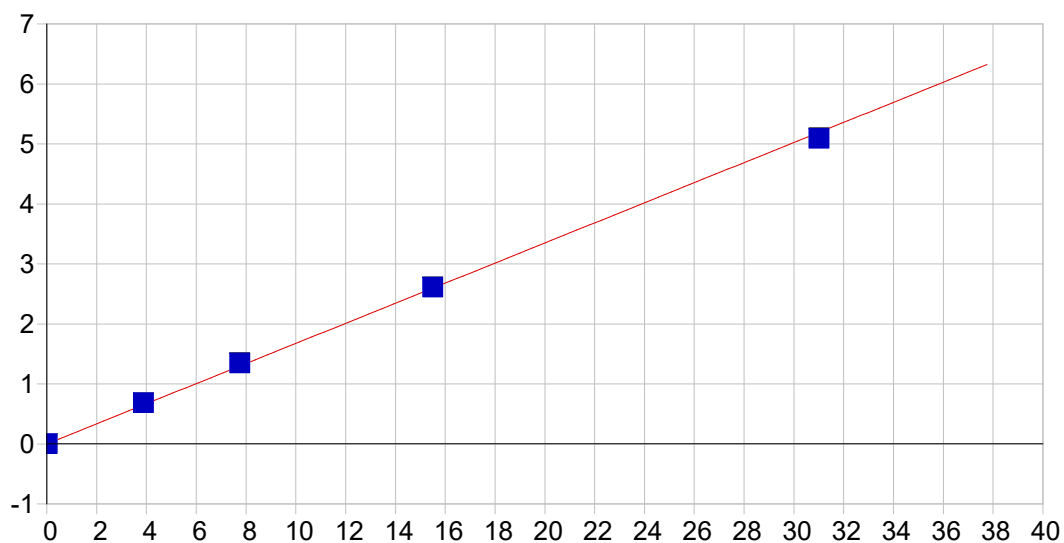


Ca 373.690 { 90}

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000720 Re-Slope: 1.000000  
 A1 (Gain): 0.070668 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999915 Status: OK.  
 Std Error of Est: 0.003187  
 Predicted MDL: 0.012465  
 Predicted MQL: 0.041550

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00042     | -.000      | .000    | .00069 | .001    | 1        |
| S1        | 5.0000       | 5.2353      | .235       | 4.71    | .37058 | .003    | 1        |
| S2        | 62.500       | 64.579      | 2.08       | 3.33    | 4.5249 | .019    | 1        |
| S3        | 125.00       | 127.22      | 2.22       | 1.78    | 8.9123 | .039    | 1        |
| S4        | 250.00       | 249.03      | -.968      | -.387   | 17.441 | .041    | 1        |
| S5        | 500.00       | 491.67      | -8.33      | -1.67   | 34.430 | .074    | 1        |
| S6        | 800.00       | 804.79      | 4.79       | .598    | 56.031 | .116    | 1        |

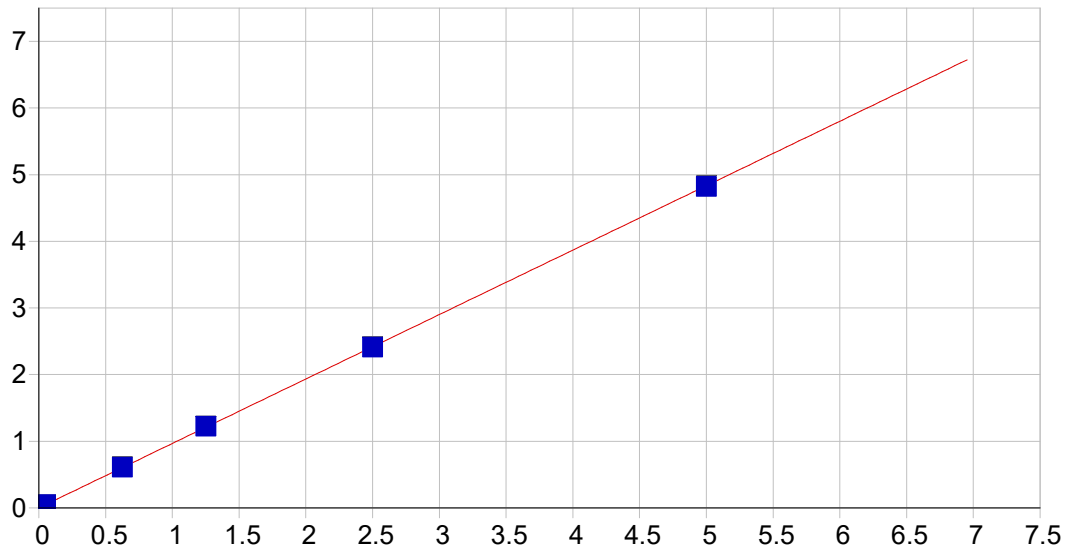


### Cr 267.716 {126}

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000062 Re-Slope: 1.000000  
 A1 (Gain): 0.167447 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999694 Status: OK.  
 Std Error of Est: 0.000122  
 Predicted MDL: 0.000587  
 Predicted MQL: 0.001958

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00006 | .000    | 1        |
| S1        | .01000       | .01046      | .000       | 4.56    | .00182 | .000    | 1        |
| S2        | 3.8750       | 4.0964      | .221       | 5.71    | .68680 | .001    | 1        |
| S3        | 7.7500       | 8.0391      | .289       | 3.73    | 1.3478 | .003    | 1        |
| S4        | 15.500       | 15.591      | .091       | .587    | 2.6140 | .003    | 1        |
| S5        | 31.000       | 30.398      | -.602      | -1.94   | 5.0966 | .006    | 1        |

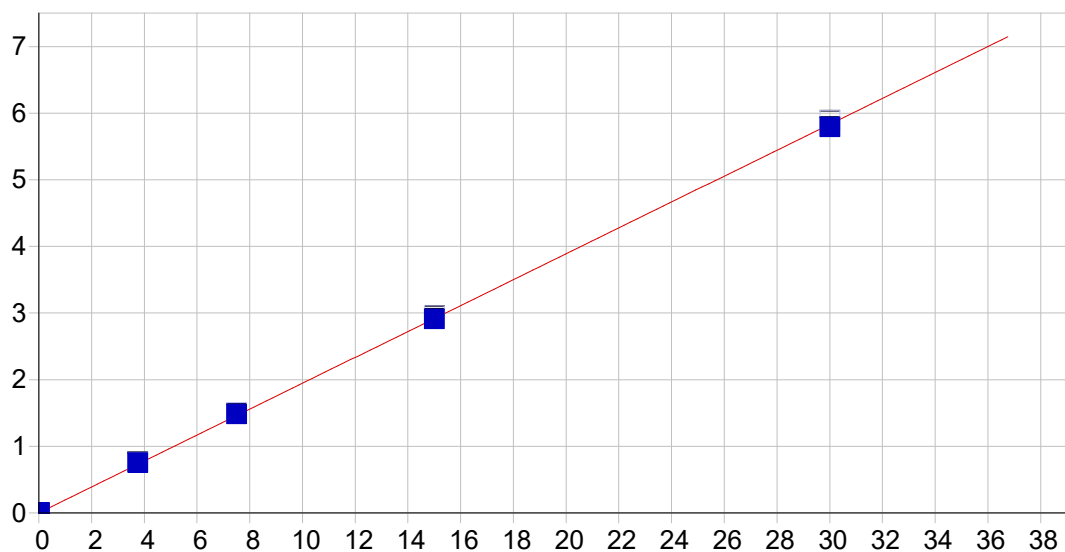


**Co 228.616 {448}**

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000377 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.966939 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999988 | Status:   | OK.      |
| Std Error of Est: | 0.000128 |           |          |
| Predicted MDL:    | 0.000245 |           |          |
| Predicted MQL:    | 0.000816 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00038 | .000    | 1        |
| S1        | .05000       | .04996      | -.000      | -.079   | .04886 | .000    | 1        |
| S2        | .62500       | .63027      | .005       | .843    | .61077 | .001    | 1        |
| S3        | 1.2500       | 1.2634      | .013       | 1.08    | 1.2240 | .002    | 1        |
| S4        | 2.5000       | 2.4939      | -.006      | -.244   | 2.4157 | .002    | 1        |
| S5        | 5.0000       | 4.9874      | -.013      | -.252   | 4.8306 | .010    | 1        |

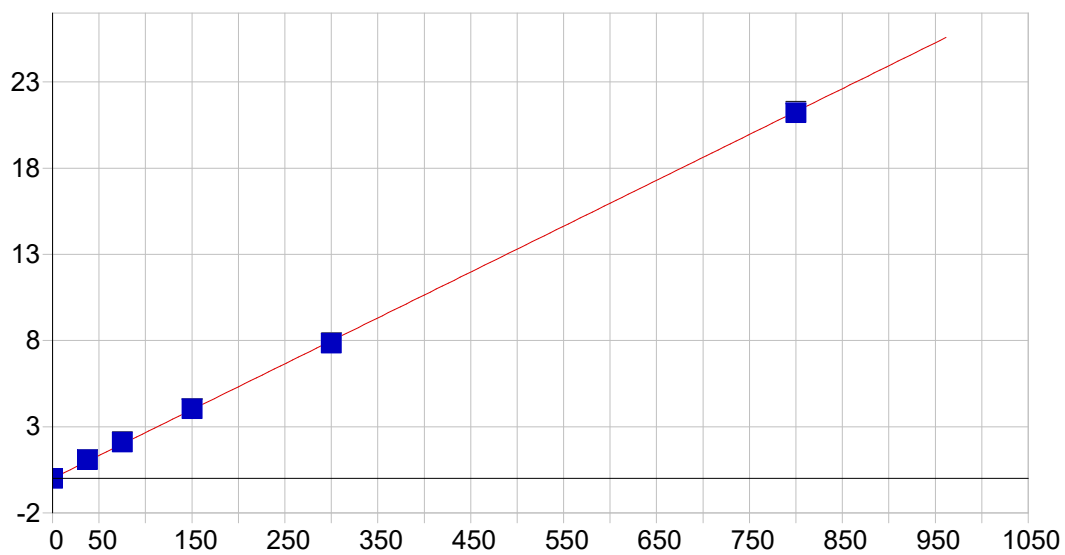


### Cu 324.754 {104}

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.001919 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.194355 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999940 | Status:   | OK.      |
| Std Error of Est: | 0.000099 |           |          |
| Predicted MDL:    | 0.002950 |           |          |
| Predicted MQL:    | 0.009834 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00192 | .000    | 1        |
| S1        | .02500       | .02290      | -.002      | -8.39   | .00734 | .000    | 1        |
| S2        | 3.7500       | 3.8616      | .112       | 2.98    | .76413 | .003    | 1        |
| S3        | 7.5000       | 7.6230      | .123       | 1.64    | 1.5069 | .003    | 1        |
| S4        | 15.000       | 14.968      | -.032      | -.216   | 2.9577 | .008    | 1        |
| S5        | 30.000       | 29.800      | -.200      | -.666   | 5.8872 | .005    | 1        |

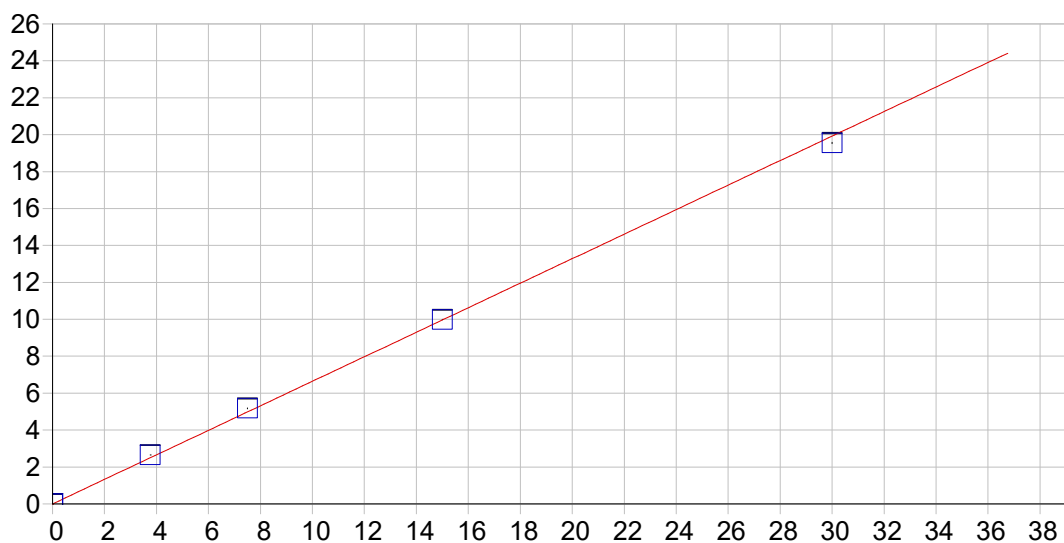


**Fe 259.837 {130}**

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000035 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.026607 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999793 | Status:   | OK.      |
| Std Error of Est: | 0.000237 |           |          |
| Predicted MDL:    | 0.009823 |           |          |
| Predicted MQL:    | 0.032742 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00003 | .000    | 1        |
| S1        | .10000       | .11241      | .012       | 12.4    | .00314 | .000    | 1        |
| S2        | 37.500       | 40.593      | 3.09       | 8.25    | 1.0821 | .004    | 1        |
| S3        | 75.000       | 78.721      | 3.72       | 4.96    | 2.0987 | .015    | 1        |
| S4        | 150.00       | 151.51      | 1.51       | 1.01    | 4.0395 | .010    | 1        |
| S5        | 300.00       | 294.52      | -5.48      | -1.83   | 7.8528 | .020    | 1        |
| S6        | 800.00       | 797.15      | -2.85      | -.357   | 21.237 | .061    | 1        |

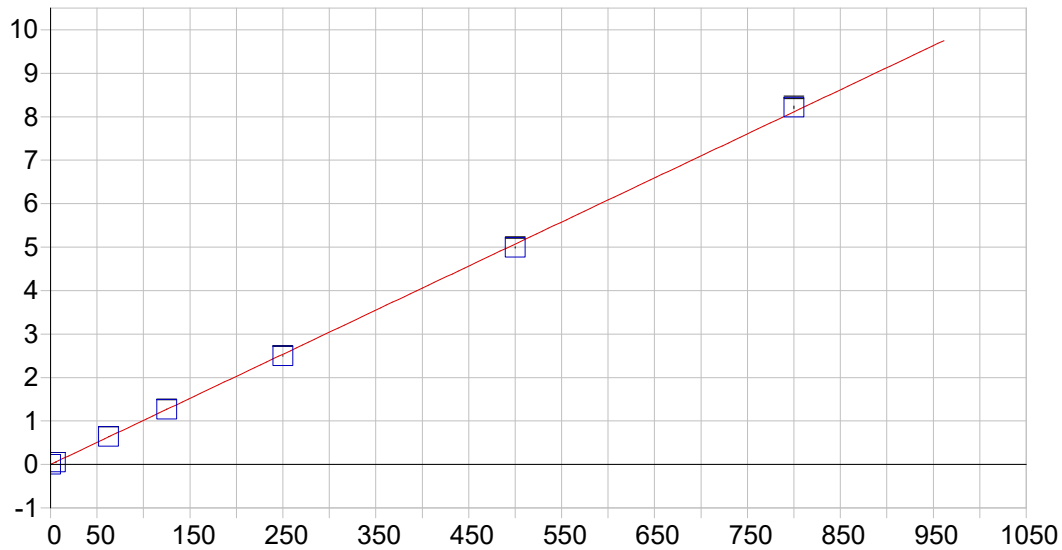


**Mn 257.610 {131}**

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000487 Re-Slope: 1.000000  
 A1 (Gain): 0.664141 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999659 Status: OK.  
 Std Error of Est: 0.000617  
 Predicted MDL: 0.000451  
 Predicted MQL: 0.001505

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00049 | .000    | 1        |
| S1        | .01500       | .01666      | .002       | 11.1    | .01155 | .000    | 1        |
| S2        | 3.7500       | 3.9970      | .247       | 6.59    | 2.6550 | .005    | 1        |
| S3        | 7.5000       | 7.7905      | .291       | 3.87    | 5.1745 | .031    | 1        |
| S4        | 15.000       | 15.025      | .025       | .164    | 9.9790 | .017    | 1        |
| S5        | 30.000       | 29.436      | -.564      | -1.88   | 19.550 | .039    | 1        |



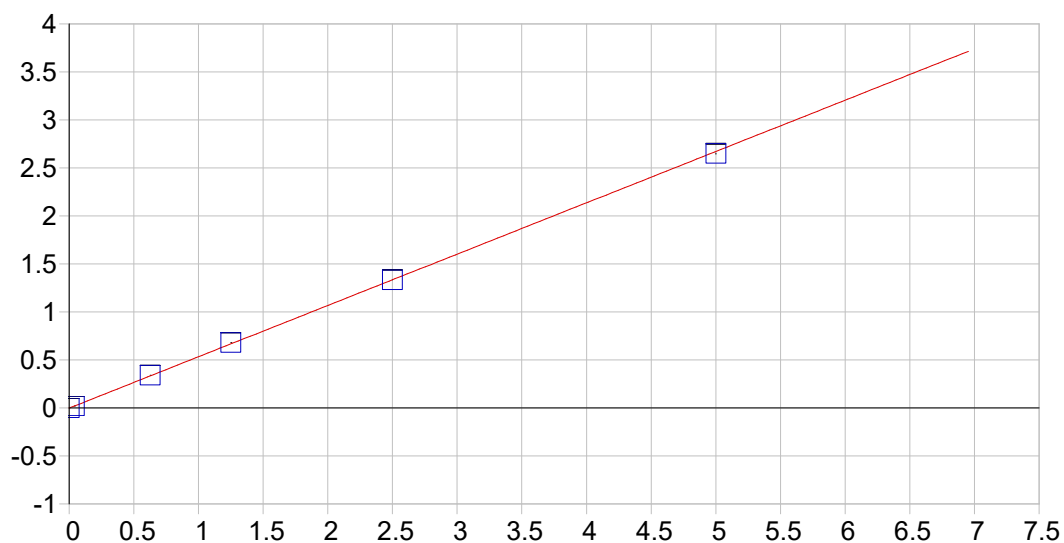
### Mg 279.079 {121}

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000467 Re-Slope: 1.000000  
 A1 (Gain): 0.010143 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999907 Status: OK.  
 Std Error of Est: 0.000483  
 Predicted MDL: 0.031239  
 Predicted MQL: 0.104131

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00015     | -.000      | .000    | -.00047 | .000    | 1        |
| S1        | 5.0000       | 5.1557      | .156       | 3.11    | .05182  | .001    | 1        |
| S2        | 62.500       | 63.451      | .951       | 1.52    | .64309  | .002    | 1        |
| S3        | 125.00       | 125.25      | .252       | .201    | 1.2699  | .008    | 1        |
| S4        | 250.00       | 246.32      | -3.68      | -1.47   | 2.4978  | .005    | 1        |
| S5        | 500.00       | 492.18      | -7.82      | -1.56   | 4.9915  | .015    | 1        |
| S6        | 800.00       | 810.14      | 10.1       | 1.27    | 8.2164  | .027    | 1        |



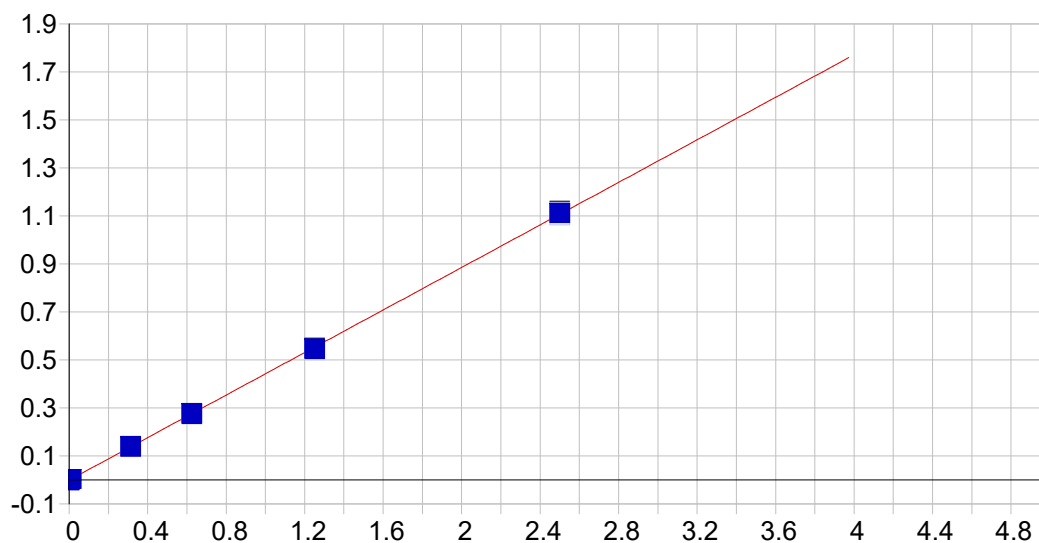


### Ni 231.604 {446}

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001561 Re-Slope: 1.000000  
 A1 (Gain): 0.534477 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999932 Status: OK.  
 Std Error of Est: 0.000148  
 Predicted MDL: 0.000451  
 Predicted MQL: 0.001504

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00156 | .000    | 1        |
| S1        | .04000       | .04179      | .002       | 4.47    | .02077  | .000    | 1        |
| S2        | .62500       | .63941      | .014       | 2.31    | .34019  | .001    | 1        |
| S3        | 1.2500       | 1.2754      | .025       | 2.04    | .68014  | .000    | 1        |
| S4        | 2.5000       | 2.5003      | .000       | .013    | 1.3348  | .001    | 1        |
| S5        | 5.0000       | 4.9580      | -.042      | -.839   | 2.6484  | .006    | 1        |

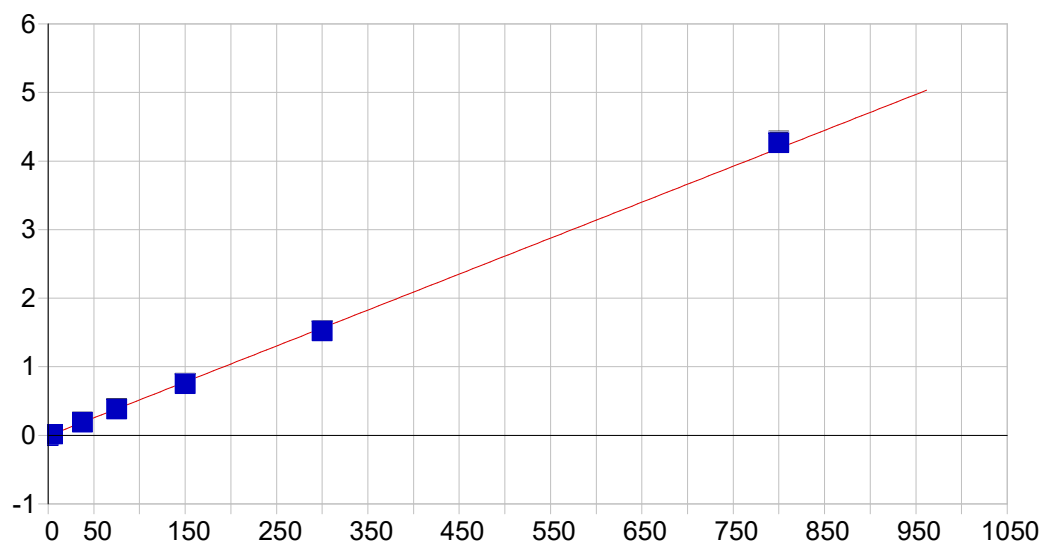


**Ag 328.068 {103}**

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000913 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.443059  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999973  | Status:   | OK.      |
| Std Error of Est: | 0.000027  |           |          |
| Predicted MDL:    | 0.000452  |           |          |
| Predicted MQL:    | 0.001507  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00091 | .000    | 1        |
| S1        | .01000       | .01006      | .000       | .560    | .00351  | .000    | 1        |
| S2        | .31250       | .31610      | .004       | 1.15    | .13795  | .000    | 1        |
| S3        | .62500       | .62459      | -.000      | -.066   | .27345  | .001    | 1        |
| S4        | 1.2500       | 1.2357      | -.014      | -1.14   | .54184  | .003    | 1        |
| S5        | 2.5000       | 2.5110      | .011       | .442    | 1.1021  | .008    | 1        |

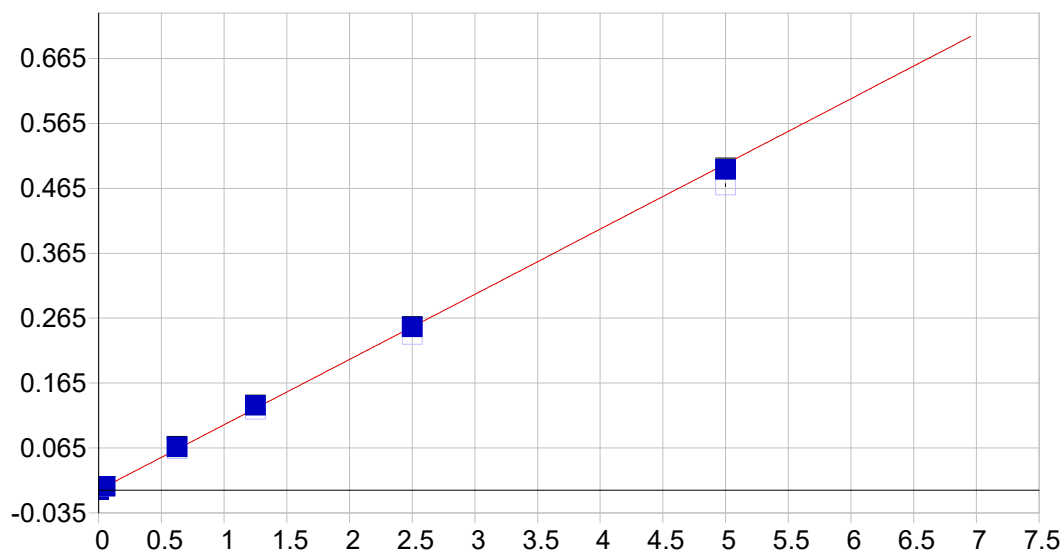


**Na 818.326 { 41}**

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.007657 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.005242  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999735  | Status:   | OK.      |
| Std Error of Est: | 0.000375  |           |          |
| Predicted MDL:    | 0.306885  |           |          |
| Predicted MQL:    | 1.022949  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00033      | .000       | .000    | -.00766 | .001    | 1        |
| S1        | 5.0000       | 4.9627      | -.037      | -.746   | .01836  | .001    | 1        |
| S2        | 37.500       | 37.427      | -.073      | -.194   | .18940  | .002    | 1        |
| S3        | 75.000       | 74.194      | -.806      | -1.07   | .38300  | .002    | 1        |
| S4        | 150.00       | 144.86      | -5.14      | -3.43   | .75518  | .003    | 1        |
| S5        | 300.00       | 291.09      | -8.91      | -2.97   | 1.5252  | .004    | 1        |
| S6        | 800.00       | 814.97      | 15.0       | 1.87    | 4.2829  | .010    | 1        |

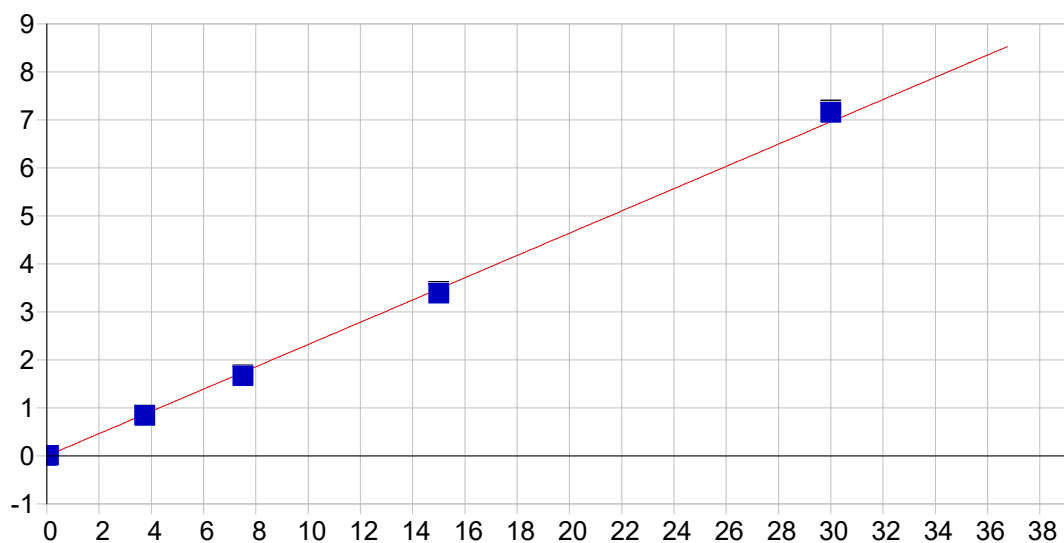


**V 292.402 {115}**

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000355 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.100456 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999666 | Status:   | OK.      |
| Std Error of Est: | 0.000066 |           |          |
| Predicted MDL:    | 0.003598 |           |          |
| Predicted MQL:    | 0.011995 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00035 | .000    | 1        |
| S1        | .05000       | .05564      | .006       | 11.3    | .00593 | .000    | 1        |
| S2        | .62500       | .66003      | .035       | 5.60    | .06365 | .001    | 1        |
| S3        | 1.2500       | 1.2952      | .045       | 3.62    | .12445 | .001    | 1        |
| S4        | 2.5000       | 2.4999      | -.000      | -.004   | .23944 | .001    | 1        |
| S5        | 5.0000       | 4.9139      | -.086      | -1.72   | .46991 | .002    | 1        |

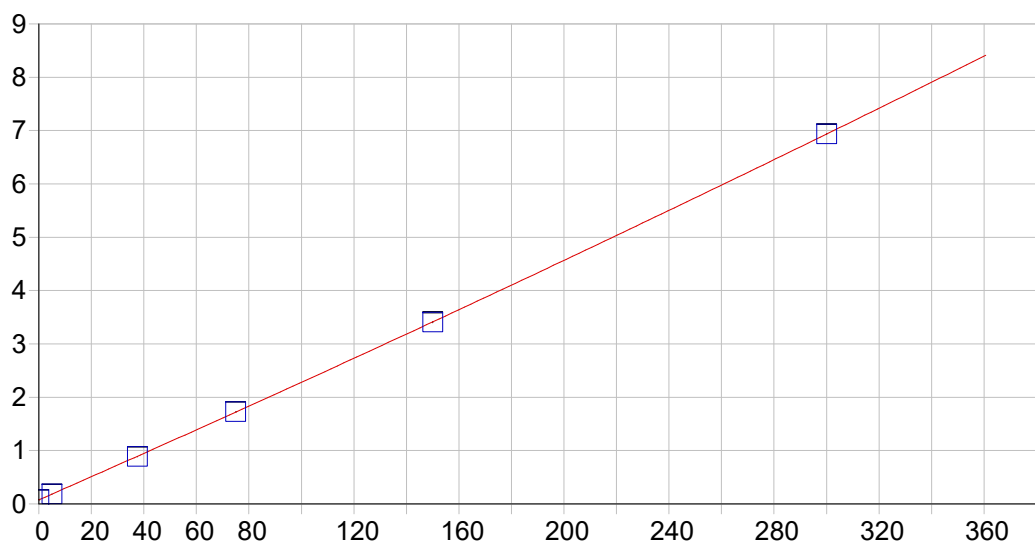


### Zn 213.856 {158}

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000462 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.231996 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999552 | Status:   | OK.      |
| Std Error of Est: | 0.000495 |           |          |
| Predicted MDL:    | 0.002603 |           |          |
| Predicted MQL:    | 0.008678 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00046 | .001    | 1        |
| S1        | .06000       | .06610      | .006       | 10.2    | .01584 | .001    | 1        |
| S2        | 3.7500       | 3.6262      | -.124      | -3.30   | .84315 | .005    | 1        |
| S3        | 7.5000       | 7.1943      | -.306      | -4.08   | 1.6724 | .014    | 1        |
| S4        | 15.000       | 14.598      | -.402      | -2.68   | 3.3928 | .032    | 1        |
| S5        | 30.000       | 30.825      | .825       | 2.75    | 7.1632 | .042    | 1        |

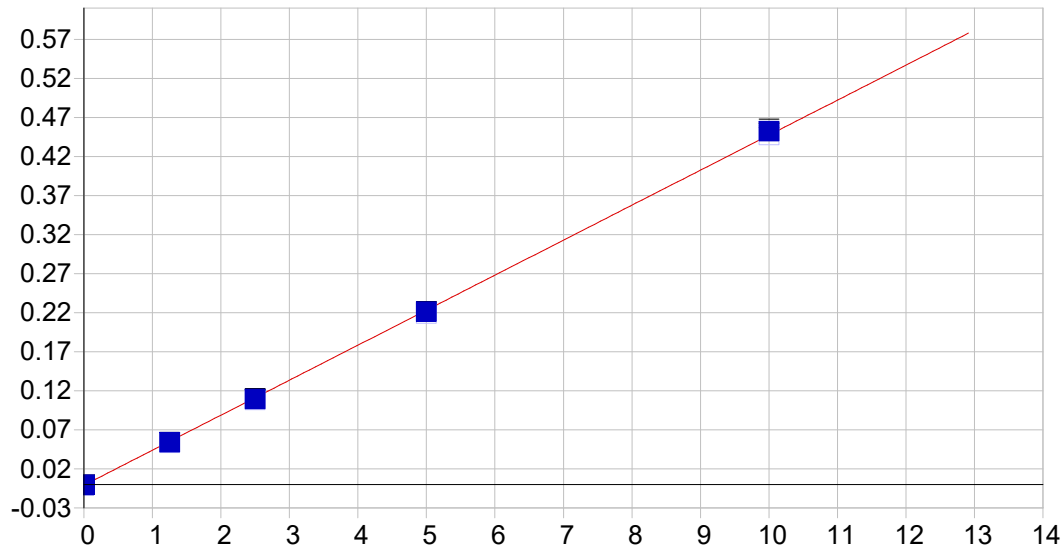


**K 769.896 { 44}**

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Curvilinear      Weighting: 1/Conc

|                   |          |           |                                 |
|-------------------|----------|-----------|---------------------------------|
| A0 (Offset):      | 0.076335 | Re-Slope: | 1.000000                        |
| A1 (Gain):        | 0.021619 | Y-int:    | 0.000000                        |
| A2 (Curvature):   | 0.000004 |           |                                 |
| n (Exponent):     | 1.000000 |           |                                 |
| Correlation:      | 0.999996 | Status:   | Warning      Positive Curvature |
| Std Error of Est: | 0.000144 |           |                                 |
| Predicted MDL:    | 0.081448 |           |                                 |
| Predicted MQL:    | 0.271493 |           |                                 |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00003      | .000       | .000    | .07634 | .001    | 1        |
| S1        | 5.0000       | 4.9775      | -.023      | -.451   | .18405 | .002    | 1        |
| S2        | 37.500       | 37.246      | -.254      | -.677   | .88732 | .002    | 1        |
| S3        | 75.000       | 75.414      | .414       | .551    | 1.7303 | .001    | 1        |
| S4        | 150.00       | 149.86      | -.135      | -.090   | 3.4094 | .011    | 1        |
| S5        | 300.00       | 300.00      | -.002      | -.001   | 6.9353 | .005    | 1        |

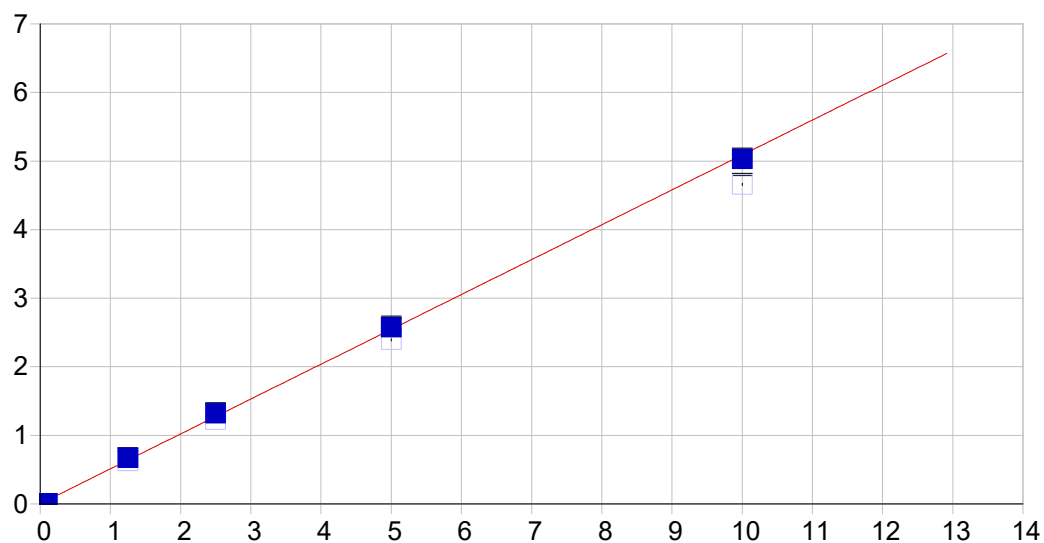


**P 177.495 {490}**

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000930 Re-Slope: 1.000000  
 A1 (Gain): 0.044820 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999917 Status: OK.  
 Std Error of Est: 0.000010  
 Predicted MDL: 0.002442  
 Predicted MQL: 0.008139

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00093 | .000    | 1        |
| S1        | .01000       | .00910      | -.001      | -8.97   | -.00052 | .000    | 1        |
| S2        | 1.2500       | 1.2214      | -.029      | -2.28   | .05319  | .000    | 1        |
| S3        | 2.5000       | 2.4614      | -.039      | -1.54   | .10814  | .001    | 1        |
| S4        | 5.0000       | 4.9544      | -.046      | -.911   | .21862  | .001    | 1        |
| S5        | 10.000       | 10.114      | .114       | 1.14    | .44734  | .003    | 1        |



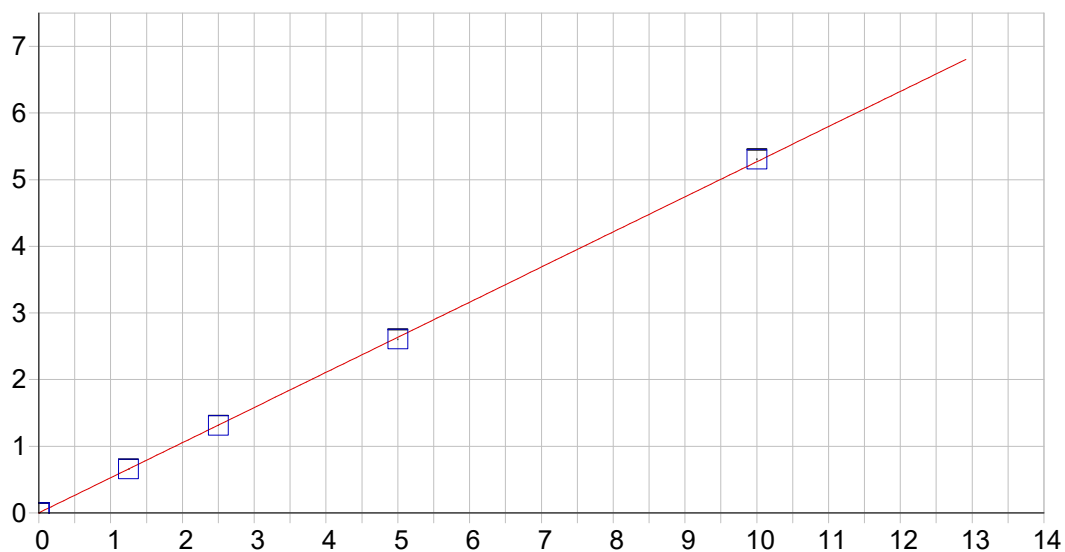
**B 249.678 {135}**

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003196 Re-Slope: 1.000000  
 A1 (Gain): 0.508498 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.997176 Status: OK.  
 Std Error of Est: 0.001888  
 Predicted MDL: 0.000974  
 Predicted MQL: 0.003246

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00008      | .000       | .000    | .00324 | .000    | 1        |
| S1        | .10000       | .00868      | -.091      | -91.3   | .00751 | .000    | 1        |
| S2        | 1.2500       | 1.3118      | .062       | 4.94    | .62411 | .004    | 1        |
| S3        | 2.5000       | 2.5920      | .092       | 3.68    | 1.2289 | .010    | 1        |
| S4        | 5.0000       | 5.0617      | .062       | 1.23    | 2.3925 | .017    | 1        |
| S5        | 10.000       | 9.8828      | -.117      | -1.17   | 4.6595 | .016    | 1        |



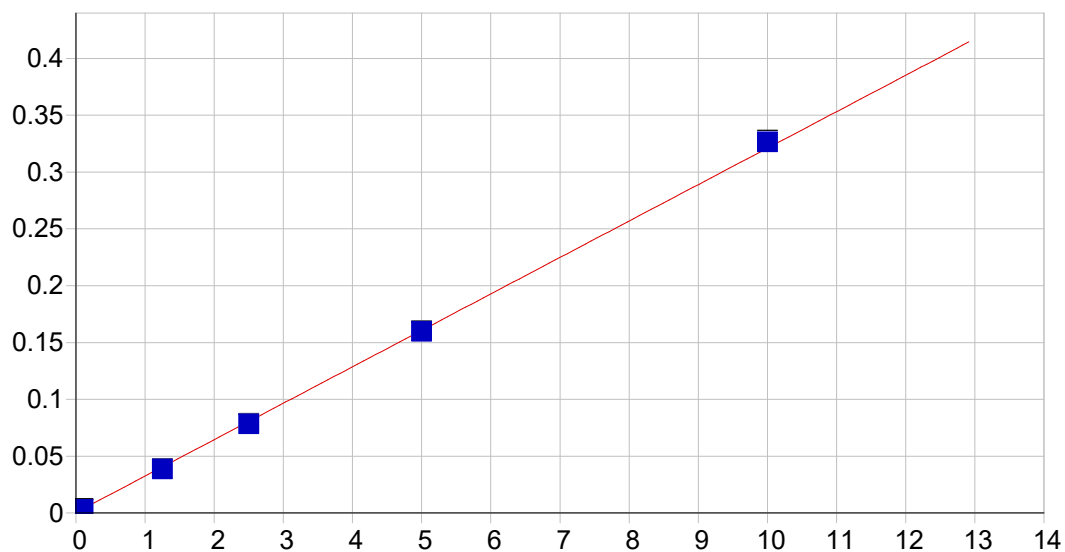


### Mo 202.030 {467}

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000285 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.526984 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999968 | Status:   | OK.      |
| Std Error of Est: | 0.000070 |           |          |
| Predicted MDL:    | 0.000324 |           |          |
| Predicted MQL:    | 0.001079 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00029 | .000    | 1        |
| S1        | .01000       | .01021      | .000       | 2.12    | .00567 | .000    | 1        |
| S2        | 1.2500       | 1.2466      | -.003      | -.275   | .65720 | .001    | 1        |
| S3        | 2.5000       | 2.4904      | -.010      | -.384   | 1.3127 | .002    | 1        |
| S4        | 5.0000       | 4.9430      | -.057      | -1.14   | 2.6052 | .005    | 1        |
| S5        | 10.000       | 10.070      | .070       | .698    | 5.3069 | .010    | 1        |

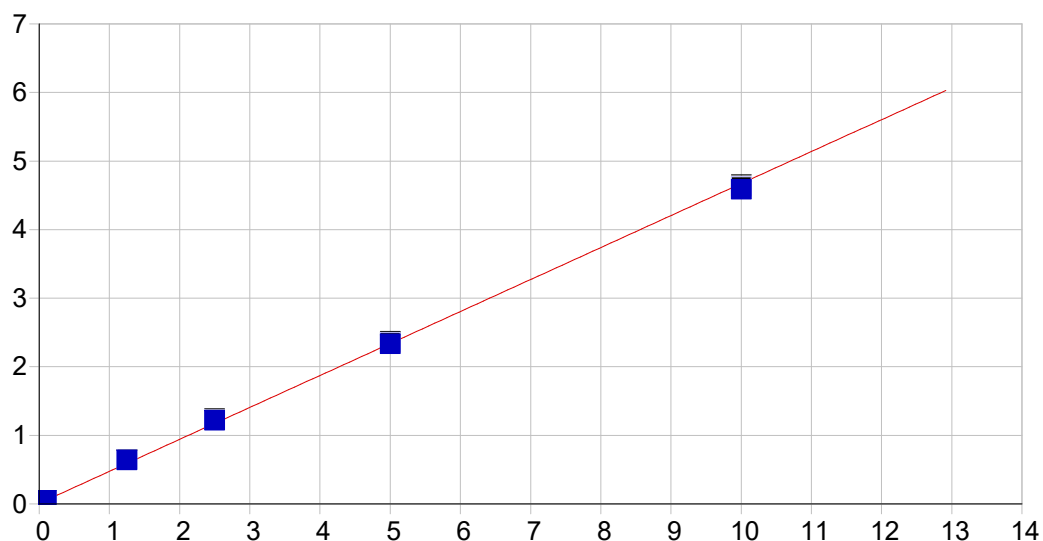


**S 182.034 {485}**

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000348 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.032072 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999788 | Status:   | OK.      |
| Std Error of Est: | 0.000035 |           |          |
| Predicted MDL:    | 0.003816 |           |          |
| Predicted MQL:    | 0.012722 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00035 | .000    | 1        |
| S1        | .10000       | .09586      | -.004      | -4.14   | .00342 | .000    | 1        |
| S2        | 1.2500       | 1.1910      | -.059      | -4.72   | .03863 | .000    | 1        |
| S3        | 2.5000       | 2.4292      | -.071      | -2.83   | .07843 | .000    | 1        |
| S4        | 5.0000       | 4.9655      | -.035      | -.691   | .15994 | .000    | 1        |
| S5        | 10.000       | 10.168      | .168       | 1.68    | .32715 | .001    | 1        |

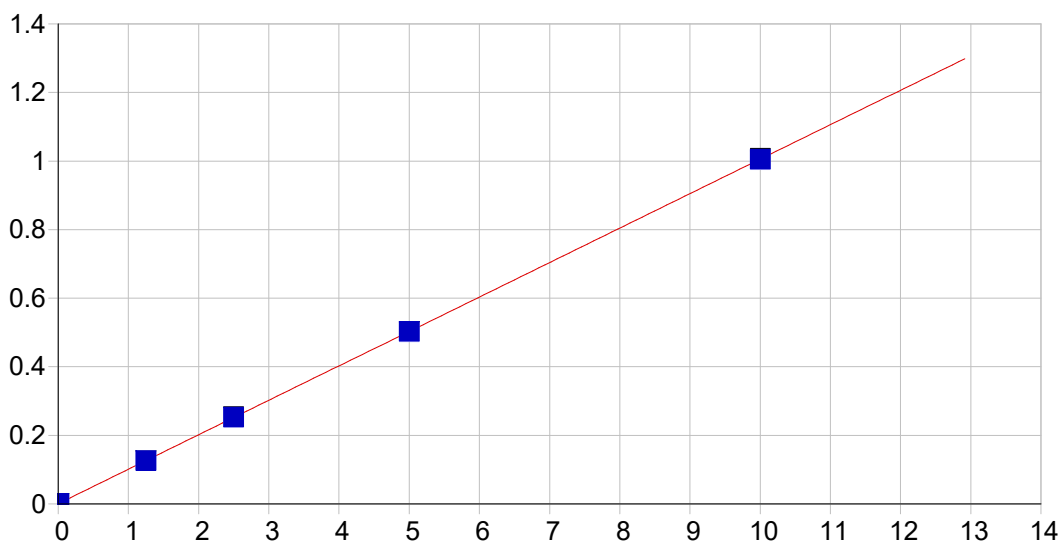


### Si 251.611 {134}

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.007905 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.466318 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999606 | Status:   | OK.      |
| Std Error of Est: | 0.000702 |           |          |
| Predicted MDL:    | 0.001076 |           |          |
| Predicted MQL:    | 0.003585 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00790 | .000    | 1        |
| S1        | .10000       | .09968      | -.000      | -.318   | .05455 | .001    | 1        |
| S2        | 1.2500       | 1.3530      | .103       | 8.24    | .64398 | .002    | 1        |
| S3        | 2.5000       | 2.5909      | .091       | 3.63    | 1.2264 | .013    | 1        |
| S4        | 5.0000       | 4.9882      | -.012      | -.236   | 2.3546 | .016    | 1        |
| S5        | 10.000       | 9.8183      | -.182      | -1.82   | 4.6276 | .024    | 1        |

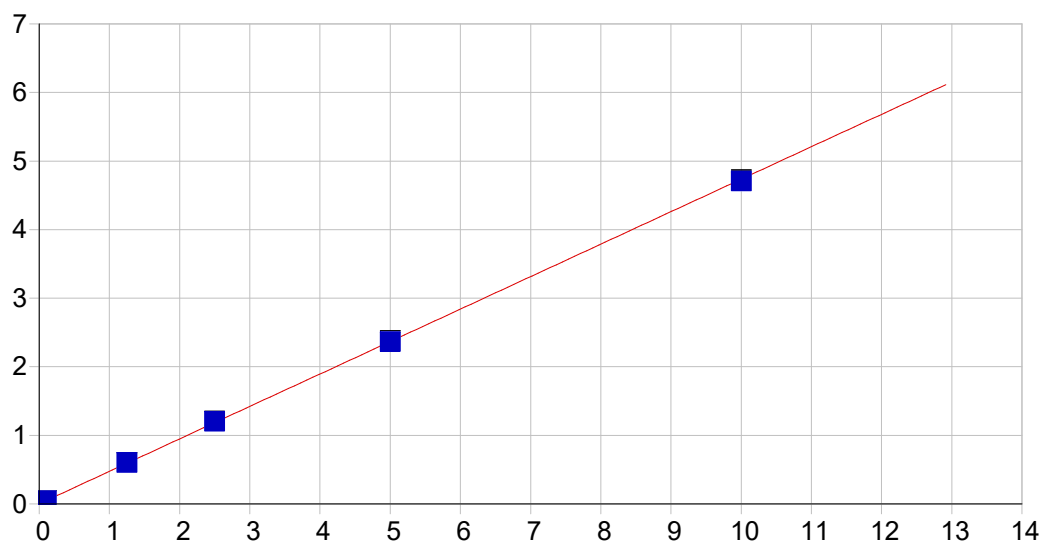


**Sn 189.989 {478}**

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000510 Re-Slope: 1.000000  
 A1 (Gain): 0.100503 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999976 Status: OK.  
 Std Error of Est: 0.000010  
 Predicted MDL: 0.001081  
 Predicted MQL: 0.003604

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00051 | .000    | 1        |
| S1        | .00700       | .00457      | -.002      | -34.7   | .00095 | .000    | 1        |
| S2        | 1.2500       | 1.2476      | -.002      | -.193   | .12564 | .000    | 1        |
| S3        | 2.5000       | 2.5120      | .012       | .480    | .25245 | .001    | 1        |
| S4        | 5.0000       | 4.9961      | -.004      | -.079   | .50159 | .000    | 1        |
| S5        | 10.000       | 9.9967      | -.003      | -.033   | 1.0031 | .003    | 1        |

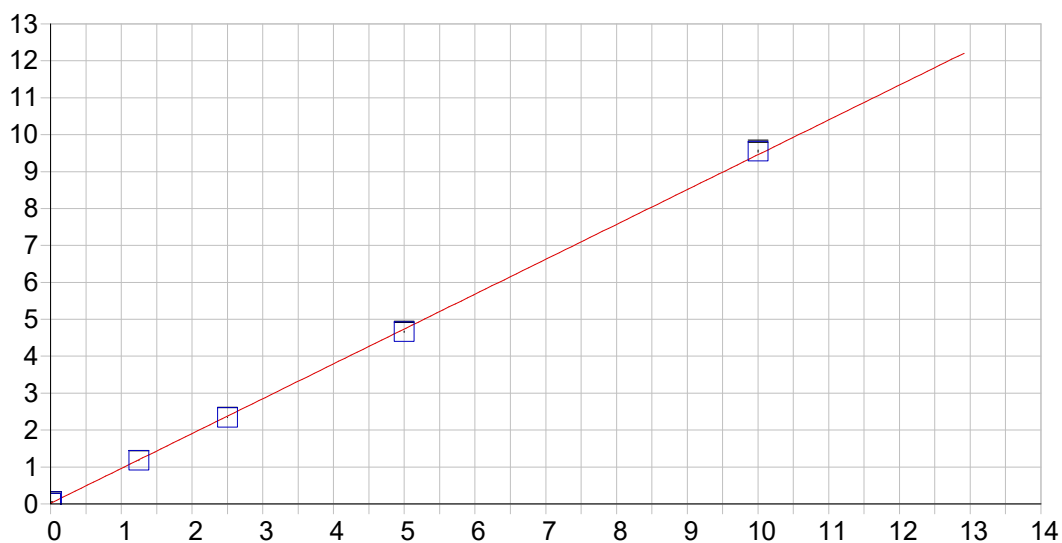


**Ti 336.121 {100}**

Date of Fit: 11/06/2019 12:17:35      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.001212 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.473359 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999966 | Status:   | OK.      |
| Std Error of Est: | 0.000209 |           |          |
| Predicted MDL:    | 0.001345 |           |          |
| Predicted MQL:    | 0.004485 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00121 | .001    | 1        |
| S1        | .10000       | .09993      | -.000      | -.071   | .04850 | .001    | 1        |
| S2        | 1.2500       | 1.2708      | .021       | 1.66    | .60255 | .001    | 1        |
| S3        | 2.5000       | 2.5392      | .039       | 1.57    | 1.2027 | .004    | 1        |
| S4        | 5.0000       | 4.9980      | -.002      | -.040   | 2.3662 | .011    | 1        |
| S5        | 10.000       | 9.9421      | -.058      | -.579   | 4.7058 | .019    | 1        |

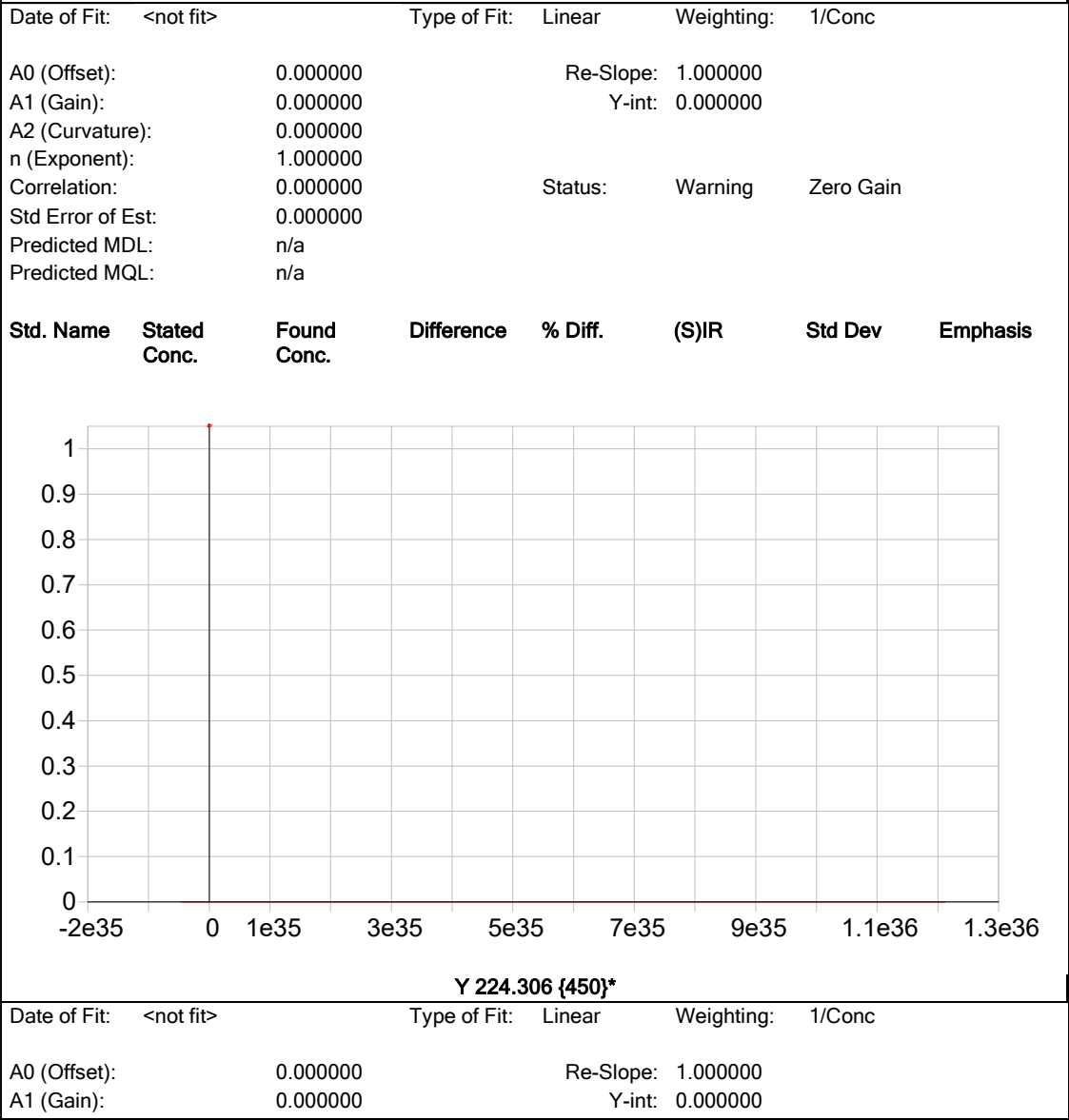
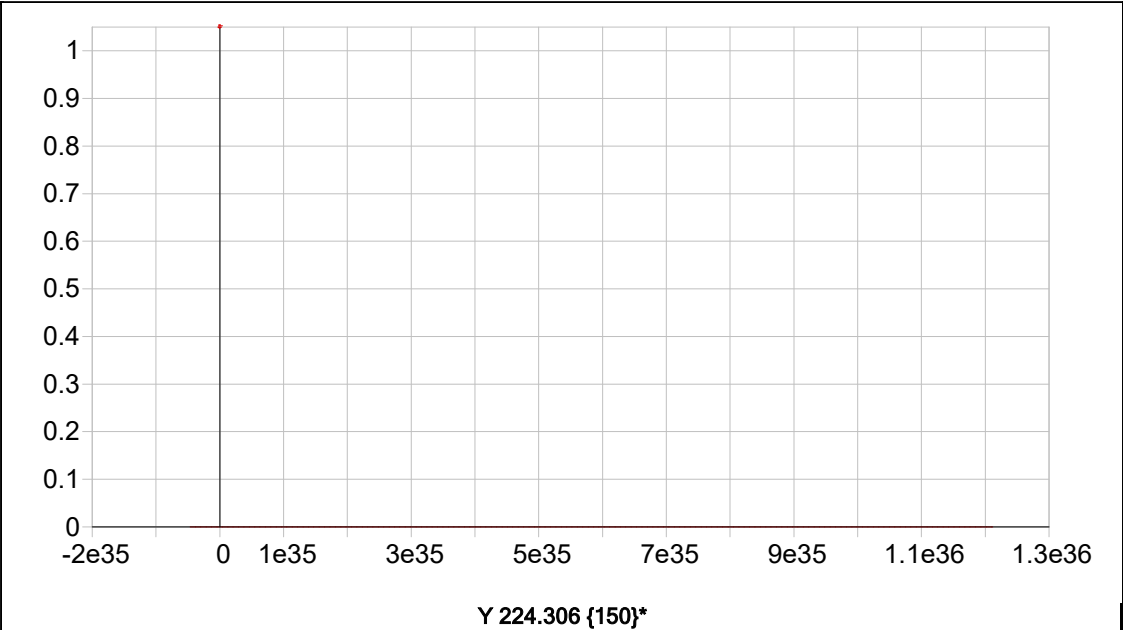


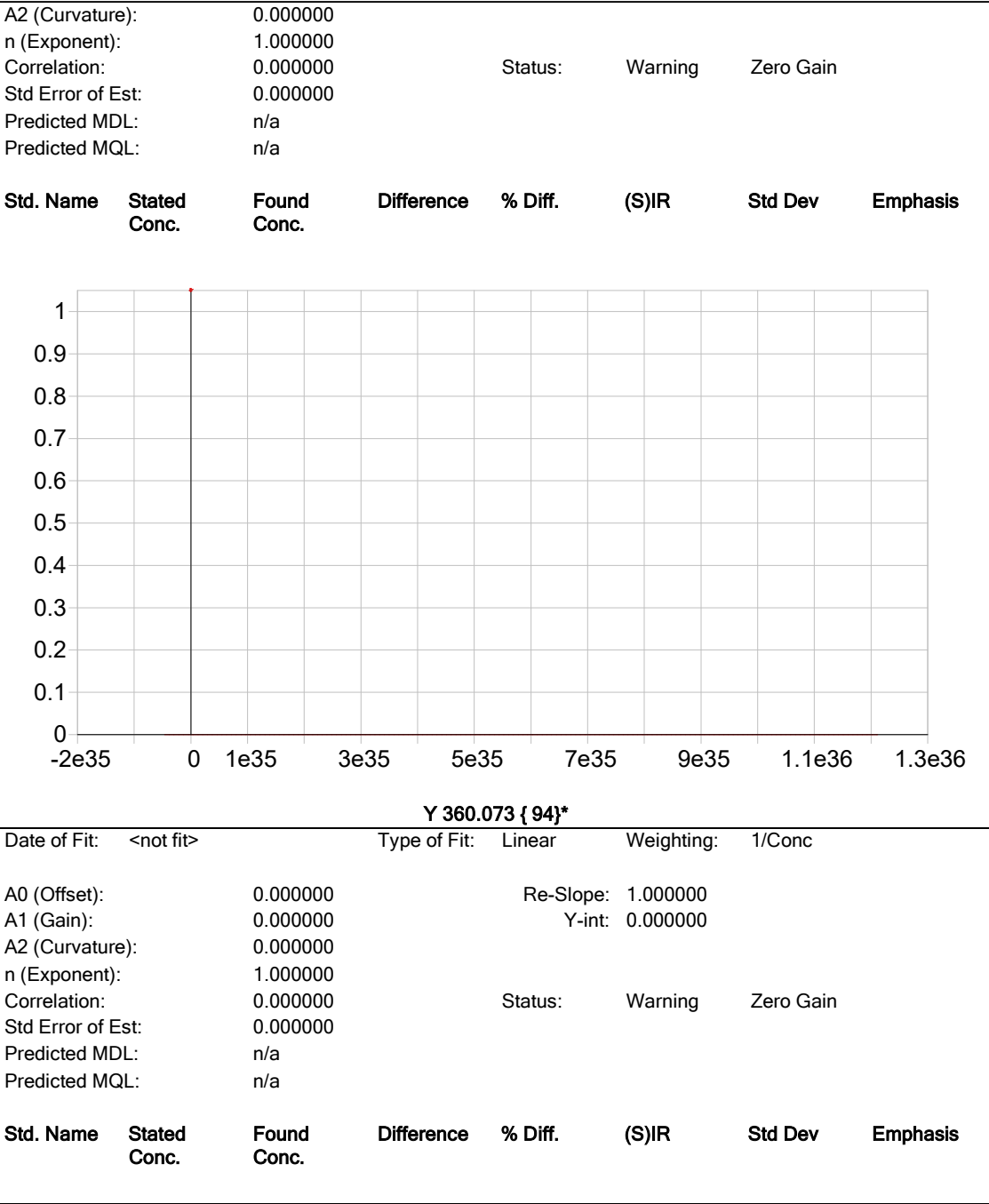
Li 670.784 { 50}

Date of Fit: 11/06/2019 12:17:35 Type of Fit: Linear Weighting: 1/Conc

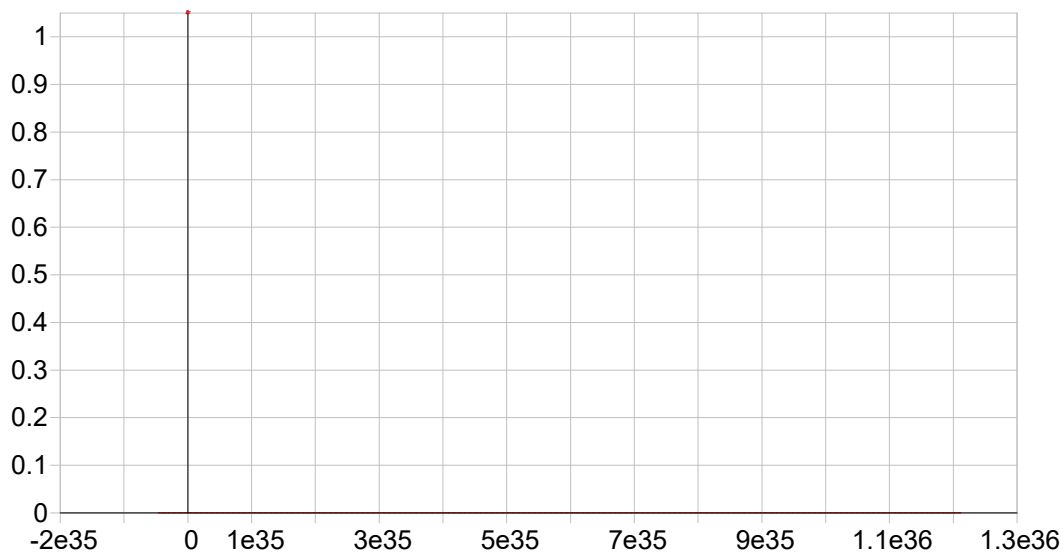
A0 (Offset): 0.017186 Re-Slope: 1.000000  
 A1 (Gain): 0.943933 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998018 Status: OK.  
 Std Error of Est: 0.001222  
 Predicted MDL: 0.001861  
 Predicted MQL: 0.006203

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00003     | -.000      | .000    | .01716 | .001    | 1        |
| S5        | 10.000       | 10.102      | .102       | 1.02    | 9.5526 | .031    | 1        |
| S4        | 5.0000       | 4.9248      | -.075      | -1.50   | 4.6658 | .017    | 1        |
| S3        | 2.5000       | 2.4626      | -.037      | -1.50   | 2.3417 | .003    | 1        |
| S2        | 1.2500       | 1.2281      | -.022      | -1.75   | 1.1764 | .003    | 1        |
| S1        | .01500       | .04773      | .033       | 218.    | .06224 | .001    | 1        |

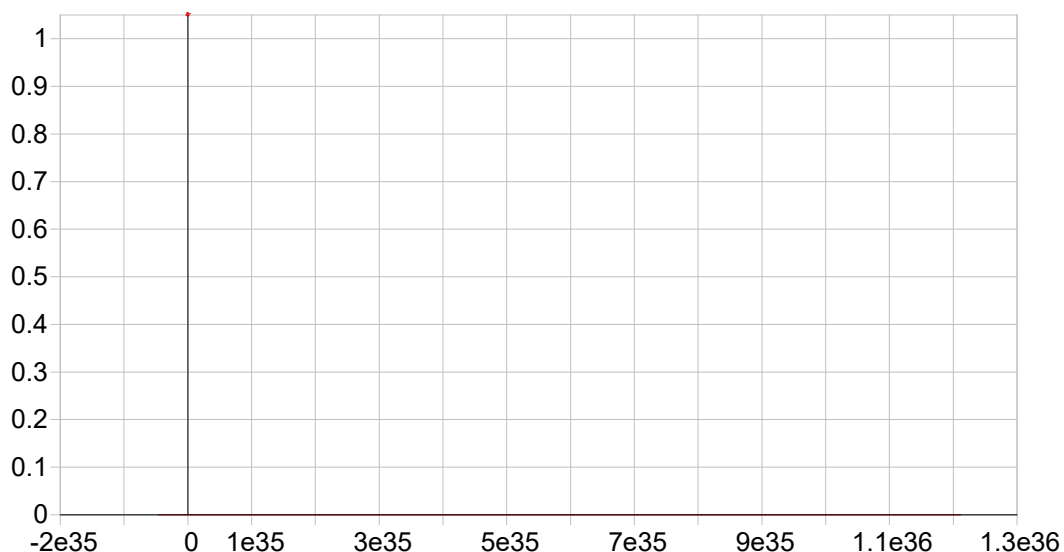




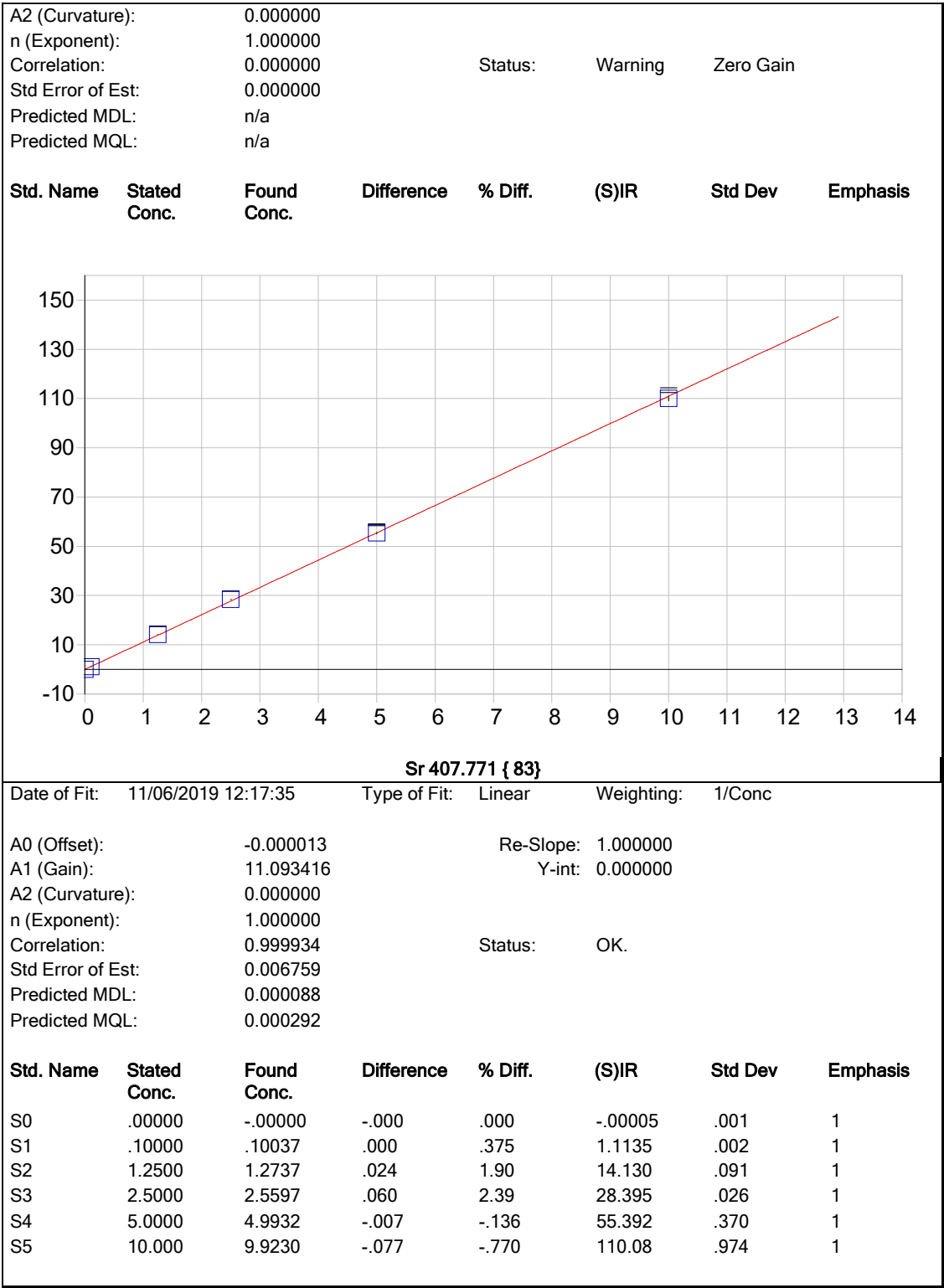




Y 371.030 { 91}\*



In 230.606 {446}\*



Sample Name: S0      Acquired: 11/06/2019 11:13:42      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S00      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    | -.00009 | -.00048 | -.00003 | .00064  | .00017  | .00353  | .01617  | -.00094 |
| Stddev | .00006  | .00010  | .00016  | .00013  | .00011  | .00024  | .00051  | .00008  |
| %RSD   | 66.233  | 21.147  | 496.68  | 20.579  | 62.390  | 6.8372  | 3.1674  | 8.3030  |
| #1     | -.00006 | -.00038 | -.00015 | .00052  | .00005  | .00351  | .01660  | -.00094 |
| #2     | -.00016 | -.00048 | .00015  | .00078  | .00026  | .00378  | .01561  | -.00102 |
| #3     | -.00005 | -.00059 | -.00010 | .00061  | .00019  | .00330  | .01631  | -.00086 |
| Elem   | Cd2144  | Ca3736  | Cr2677  | Co2286  | Cu3247  | Fe2598  | Mn2576  | Mg2790  |
| Units  | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   |
| Avg    | .00004  | .00069  | .00006  | .00038  | .00192  | .00003  | .00049  | -.00047 |
| Stddev | .00004  | .00069  | .00009  | .00007  | .00008  | .00015  | .00022  | .00009  |
| %RSD   | 96.907  | 100.24  | 145.72  | 18.018  | 4.1306  | 425.73  | 44.967  | 18.319  |
| #1     | .00007  | .00112  | .00016  | .00045  | .00189  | -.00007 | .00055  | -.00053 |
| #2     | .00005  | .00105  | .00003  | .00034  | .00186  | -.00003 | .00066  | -.00037 |
| #3     | -.00000 | -.00011 | -.00001 | .00033  | .00201  | .00020  | .00024  | -.00051 |
| Elem   | Ni2316  | Ag3280  | Na8183  | V_2924  | Zn2138  | K_7698  | P_1774  | B_2496  |
| Units  | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   |
| Avg    | -.00156 | -.00091 | -.00766 | .00035  | .00046  | .07634  | -.00093 | .00324  |
| Stddev | .00014  | .00010  | .00105  | .00039  | .00118  | .00108  | .00006  | .00029  |
| %RSD   | 9.1271  | 10.925  | 13.652  | 109.69  | 254.51  | 1.4171  | 6.7397  | 8.9597  |
| #1     | -.00158 | -.00080 | -.00761 | .00066  | -.00036 | .07543  | -.00093 | .00305  |
| #2     | -.00169 | -.00096 | -.00664 | -.00008 | .00181  | .07753  | -.00099 | .00310  |
| #3     | -.00141 | -.00098 | -.00872 | .00049  | -.00006 | .07604  | -.00087 | .00357  |
| Elem   | Mo2020  | S_1820  | Si2516  | Sn1899  | Ti3361  | Li6707  | Sr4077  |         |
| Units  | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   |         |
| Avg    | .00029  | .00035  | .00790  | .00051  | .00121  | .01716  | -.00005 |         |
| Stddev | .00012  | .00003  | .00012  | .00004  | .00071  | .00107  | .00091  |         |
| %RSD   | 41.078  | 8.4747  | 1.5372  | 7.2691  | 59.050  | 6.2334  | 1655.6  |         |
| #1     | .00015  | .00038  | .00799  | .00051  | .00100  | .01713  | -.00050 |         |
| #2     | .00033  | .00033  | .00795  | .00055  | .00062  | .01610  | .00099  |         |
| #3     | .00037  | .00033  | .00776  | .00047  | .00201  | .01824  | -.00065 |         |

Sample Name: S0      Acquired: 11/06/2019 11:13:42      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S00      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1715.2 | 3696.3 | 36592. | 6845.5 | 3928.3 |
| Stddev    | 1.8    | 11.0   | 209.   | 57.3   | 10.0   |
| %RSD      | .10362 | .29773 | .57107 | .83714 | .25347 |
| #1        | 1717.3 | 3686.3 | 36826. | 6884.0 | 3920.7 |
| #2        | 1714.1 | 3708.1 | 36424. | 6872.8 | 3939.6 |
| #3        | 1714.3 | 3694.7 | 36525. | 6779.6 | 3924.7 |

Sample Name: S1      Acquired: 11/06/2019 11:17:49      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S01      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    | .00029 | .00137 | .00273 | .00289 | .00836 | .01883 | .80589 | .02612 |
| Stddev | .00012 | .00024 | .00013 | .00010 | .00016 | .00084 | .00264 | .00013 |
| %RSD   | 41.203 | 17.562 | 4.9381 | 3.5175 | 1.9685 | 4.4480 | .32737 | .51325 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00029 | .00109 | .00282 | .00297 | .00819 | .01980 | .80338 | .02601 |
| #2 | .00017 | .00152 | .00258 | .00277 | .00852 | .01834 | .80864 | .02627 |
| #3 | .00041 | .00149 | .00280 | .00291 | .00835 | .01835 | .80565 | .02608 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .01699 | .37058 | .00182 | .04886 | .00734 | .00314 | .01155 | .05182 |
| Stddev | .00013 | .00264 | .00001 | .00026 | .00009 | .00013 | .00034 | .00056 |
| %RSD   | .77494 | .71180 | .47588 | .53087 | 1.1675 | 3.9877 | 2.9551 | 1.0732 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01684 | .36795 | .00182 | .04873 | .00727 | .00303 | .01159 | .05128 |
| #2 | .01709 | .37322 | .00182 | .04869 | .00731 | .00327 | .01188 | .05239 |
| #3 | .01703 | .37058 | .00181 | .04915 | .00744 | .00310 | .01120 | .05181 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774  | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S  |
| Avg    | .02077 | .00351 | .01836 | .00593 | .01584 | .18405 | -.00052 | .00751 |
| Stddev | .00021 | .00018 | .00094 | .00022 | .00052 | .00207 | .00010  | .00032 |
| %RSD   | 1.0107 | 5.0548 | 5.1094 | 3.6858 | 3.2735 | 1.1234 | 18.881  | 4.3104 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .02053 | .00332 | .01799 | .00592 | .01527 | .18583 | -.00064 | .00780 |
| #2 | .02092 | .00367 | .01766 | .00572 | .01629 | .18453 | -.00046 | .00716 |
| #3 | .02087 | .00353 | .01943 | .00616 | .01595 | .18178 | -.00047 | .00757 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | .00567 | .00342 | .05455 | .00095 | .04850 | .06224 | 1.1135 |  |
| Stddev | .00028 | .00011 | .00082 | .00005 | .00093 | .00106 | .0022  |  |
| %RSD   | 5.0048 | 3.3563 | 1.4982 | 5.7374 | 1.9138 | 1.7063 | .20005 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .00572 | .00335 | .05461 | .00092 | .04804 | .06254 | 1.1130 |  |
| #2 | .00536 | .00355 | .05534 | .00101 | .04790 | .06106 | 1.1115 |  |
| #3 | .00592 | .00336 | .05371 | .00092 | .04957 | .06312 | 1.1159 |  |

Sample Name: S1      Acquired: 11/06/2019 11:17:49      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S01      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1734.3 | 3700.8 | 36791. | 6856.6 | 3956.8 |
| Stddev    | 19.8   | 4.2    | 163.   | 18.1   | 4.5    |
| %RSD      | 1.1430 | .11318 | .44367 | .26325 | .11284 |
| #1        | 1725.1 | 3696.0 | 36771. | 6837.1 | 3953.9 |
| #2        | 1720.7 | 3703.2 | 36639. | 6859.9 | 3954.6 |
| #3        | 1757.1 | 3703.3 | 36963. | 6872.7 | 3962.0 |

Sample Name: S2      Acquired: 11/06/2019 11:21:56      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S02      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    | .05058 | .09300 | 1.4001 | .07883 | .16837 | 2.8278 | 9.8529 | .65822 |
| Stddev | .00031 | .00041 | .0052  | .00038 | .00070 | .0104  | .0180  | .00178 |
| %RSD   | .62127 | .43848 | .36925 | .48701 | .41463 | .36858 | .18299 | .27069 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .05039 | .09301 | 1.3959 | .07840 | .16789 | 2.8314 | 9.8409 | .65683 |
| #2 | .05040 | .09259 | 1.3987 | .07896 | .16805 | 2.8359 | 9.8442 | .66023 |
| #3 | .05094 | .09341 | 1.4059 | .07913 | .16917 | 2.8160 | 9.8737 | .65761 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.1187 | 4.5249 | .68680 | .61077 | .76413 | 1.0821 | 2.6550 | .64309 |
| Stddev | .0081  | .0194  | .00051 | .00145 | .00264 | .0041  | .0047  | .00229 |
| %RSD   | .38101 | .42774 | .07493 | .23676 | .34489 | .38039 | .17908 | .35634 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.1126 | 4.5471 | .68737 | .60940 | .76263 | 1.0786 | 2.6516 | .64175 |
| #2 | 2.1157 | 4.5116 | .68668 | .61062 | .76717 | 1.0867 | 2.6605 | .64573 |
| #3 | 2.1279 | 4.5160 | .68636 | .61228 | .76259 | 1.0811 | 2.6531 | .64177 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .34019 | .13795 | .18940 | .06365 | .84315 | .88732 | .05319 | .62411 |
| Stddev | .00086 | .00046 | .00158 | .00077 | .00545 | .00235 | .00007 | .00370 |
| %RSD   | .25401 | .33544 | .83444 | 1.2090 | .64661 | .26440 | .13873 | .59328 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .33979 | .13793 | .19088 | .06409 | .84522 | .88591 | .05320 | .62169 |
| #2 | .33960 | .13843 | .18960 | .06276 | .84727 | .89003 | .05326 | .62227 |
| #3 | .34118 | .13750 | .18773 | .06410 | .83697 | .88601 | .05311 | .62837 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .65720 | .03863 | .64398 | .12564 | .60255 | 1.1764 | 14.130 |
| Stddev | .00075 | .00018 | .00155 | .00019 | .00114 | .0034  | .091   |
| %RSD   | .11342 | .47132 | .24022 | .15185 | .18954 | .28760 | .64730 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .65636 | .03843 | .64227 | .12562 | .60262 | 1.1803 | 14.228 |
| #2 | .65777 | .03869 | .64529 | .12584 | .60366 | 1.1746 | 14.116 |
| #3 | .65747 | .03877 | .64438 | .12546 | .60138 | 1.1744 | 14.047 |

Sample Name: S2      Acquired: 11/06/2019 11:21:56      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: S02      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1667.7 | 3583.0 | 36085. | 6906.1 | 3723.7 |
| Stddev    | 7.4    | 3.0    | 146.   | 20.5   | 2.7    |
| %RSD      | .44126 | .08239 | .40541 | .29655 | .07307 |
|           |        |        |        |        |        |
| #1        | 1668.0 | 3580.0 | 35994. | 6883.6 | 3724.6 |
| #2        | 1660.2 | 3585.9 | 36008. | 6923.7 | 3725.9 |
| #3        | 1675.0 | 3583.0 | 36254. | 6911.1 | 3720.7 |



Sample Name: S3      Acquired: 11/06/2019 11:25:46      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S03      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    | .10177 | .18377 | 2.8096 | .15649 | .33348 | 5.7146 | 19.536 | 1.2666 |
| Stddev | .00003 | .00050 | .0065  | .00066 | .00037 | .0175  | .078   | .0114  |
| %RSD   | .03362 | .27475 | .23040 | .42053 | .11002 | .30617 | .39970 | .89740 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .10173 | .18330 | 2.8036 | .15599 | .33323 | 5.7338 | 19.483 | 1.2790 |
| #2 | .10179 | .18431 | 2.8088 | .15626 | .33390 | 5.7106 | 19.625 | 1.2567 |
| #3 | .10179 | .18369 | 2.8165 | .15724 | .33331 | 5.6995 | 19.499 | 1.2642 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 4.2202 | 8.9123 | 1.3478 | 1.2240 | 1.5069 | 2.0987 | 5.1745 | 1.2699 |
| Stddev | .0086  | .0391  | .0028  | .0015  | .0030  | .0147  | .0312  | .0085  |
| %RSD   | .20361 | .43925 | .20774 | .12380 | .20143 | .69943 | .60365 | .66783 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.2123 | 8.8815 | 1.3485 | 1.2227 | 1.5102 | 2.0819 | 5.1450 | 1.2607 |
| #2 | 4.2189 | 8.9563 | 1.3447 | 1.2236 | 1.5042 | 2.1091 | 5.2072 | 1.2774 |
| #3 | 4.2293 | 8.8990 | 1.3502 | 1.2257 | 1.5063 | 2.1050 | 5.1714 | 1.2716 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .68014 | .27345 | .38300 | .12445 | 1.6724 | 1.7303 | .10814 | 1.2289 |
| Stddev | .00039 | .00146 | .00165 | .00089 | .0137  | .0007  | .00058 | .0104  |
| %RSD   | .05789 | .53354 | .43207 | .71654 | .82116 | .03958 | .53995 | .84442 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .67972 | .27512 | .38130 | .12350 | 1.6873 | 1.7305 | .10785 | 1.2387 |
| #2 | .68050 | .27278 | .38312 | .12527 | 1.6696 | 1.7295 | .10881 | 1.2180 |
| #3 | .68019 | .27244 | .38460 | .12457 | 1.6602 | 1.7308 | .10775 | 1.2301 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 1.3127 | .07843 | 1.2264 | .25245 | 1.2027 | 2.3417 | 28.395 |
| Stddev | .0022  | .00032 | .0127  | .00089 | .0036  | .0033  | .026   |
| %RSD   | .16648 | .41275 | 1.0355 | .35275 | .29590 | .14163 | .09058 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.3102 | .07806 | 1.2383 | .25143 | 1.2069 | 2.3438 | 28.425 |
| #2 | 1.3135 | .07867 | 1.2130 | .25295 | 1.2006 | 2.3434 | 28.385 |
| #3 | 1.3143 | .07856 | 1.2278 | .25299 | 1.2008 | 2.3379 | 28.377 |

Sample Name: S3      Acquired: 11/06/2019 11:25:46      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S03      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1633.3 | 3463.7 | 36142. | 6913.0 | 3569.3 |
| Stddev    | 2.9    | 6.2    | 22.    | 26.8   | 5.5    |
| %RSD      | .17575 | .17837 | .05993 | .38729 | .15316 |
| #1        | 1631.7 | 3470.4 | 36164. | 6912.0 | 3575.5 |
| #2        | 1631.7 | 3462.3 | 36140. | 6940.3 | 3565.3 |
| #3        | 1636.7 | 3458.3 | 36121. | 6886.8 | 3567.0 |

Sample Name: S4      Acquired: 11/06/2019 11:29:35      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S04      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    | .20381 | .35787 | 5.6070 | .30709 | .66667 | 11.492 | 38.131 | 2.4417 |
| Stddev | .00053 | .00031 | .0048  | .00058 | .00103 | .037   | .147   | .0149  |
| %RSD   | .25964 | .08771 | .08541 | .18726 | .15519 | .32534 | .38449 | .61155 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20404 | .35759 | 5.6075 | .30726 | .66736 | 11.532 | 38.257 | 2.4584 |
| #2 | .20321 | .35821 | 5.6020 | .30645 | .66548 | 11.458 | 38.164 | 2.4372 |
| #3 | .20419 | .35780 | 5.6116 | .30756 | .66717 | 11.486 | 37.970 | 2.4295 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 8.2644 | 17.441 | 2.6140 | 2.4157 | 2.9577 | 4.0395 | 9.9790 | 2.4978 |
| Stddev | .0126  | .041   | .0034  | .0019  | .0081  | .0103  | .0166  | .0051  |
| %RSD   | .15234 | .23232 | .12927 | .08062 | .27409 | .25429 | .16644 | .20441 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.2618 | 17.472 | 2.6118 | 2.4166 | 2.9658 | 4.0396 | 9.9787 | 2.4959 |
| #2 | 8.2533 | 17.457 | 2.6123 | 2.4134 | 2.9496 | 4.0292 | 9.9625 | 2.4940 |
| #3 | 8.2781 | 17.395 | 2.6179 | 2.4169 | 2.9576 | 4.0497 | 9.9957 | 2.5036 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 1.3348 | .54184 | .75518 | .23944 | 3.3928 | 3.4094 | .21862 | 2.3925 |
| Stddev | .0013  | .00268 | .00324 | .00062 | .0324  | .0115  | .00053 | .0168  |
| %RSD   | .09644 | .49515 | .42952 | .25766 | .95434 | .33730 | .24155 | .70279 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.3347 | .54280 | .75712 | .23876 | 3.3916 | 3.4225 | .21817 | 2.4119 |
| #2 | 1.3336 | .54391 | .75699 | .23996 | 3.4258 | 3.4007 | .21920 | 2.3813 |
| #3 | 1.3361 | .53881 | .75144 | .23962 | 3.3611 | 3.4051 | .21849 | 2.3844 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.6052 | .15994 | 2.3546 | .50159 | 2.3662 | 4.6658 | 55.392 |
| Stddev | .0053  | .00036 | .0161  | .00046 | .0114  | .0168  | .370   |
| %RSD   | .20386 | .22249 | .68493 | .09085 | .48356 | .35982 | .66771 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6094 | .16016 | 2.3725 | .50139 | 2.3788 | 4.6831 | 55.446 |
| #2 | 2.5992 | .15953 | 2.3501 | .50127 | 2.3565 | 4.6649 | 54.998 |
| #3 | 2.6069 | .16013 | 2.3412 | .50211 | 2.3634 | 4.6495 | 55.731 |

Sample Name: S4      Acquired: 11/06/2019 11:29:35      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S04      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1550.0 | 3296.7 | 35565. | 6839.0 | 3373.0 |
| Stddev    | 17.0   | 7.2    | 141.   | 41.2   | 6.5    |
| %RSD      | 1.0962 | .21943 | .39552 | .60210 | .19190 |
| #1        | 1543.6 | 3294.8 | 35518. | 6792.7 | 3372.7 |
| #2        | 1537.1 | 3304.7 | 35454. | 6871.4 | 3379.5 |
| #3        | 1569.3 | 3290.7 | 35723. | 6853.0 | 3366.6 |

Sample Name: S5      Acquired: 11/06/2019 11:33:28      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S05      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    | .42016 | .69694 | 11.264 | .60429 | 1.3779 | 23.389 | 75.349 | 4.7873 |
| Stddev | .00055 | .00395 | .008   | .00221 | .0034  | .068   | .765   | .0257  |
| %RSD   | .13152 | .56736 | .07301 | .36618 | .25031 | .29004 | 1.0150 | .53696 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .41995 | .69239 | 11.273 | .60637 | 1.3745 | 23.358 | 75.634 | 4.8170 |
| #2 | .41973 | .69889 | 11.256 | .60197 | 1.3779 | 23.466 | 75.930 | 4.7725 |
| #3 | .42078 | .69954 | 11.262 | .60453 | 1.3814 | 23.342 | 74.482 | 4.7725 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 16.302 | 34.430 | 5.0966 | 4.8306 | 5.8872 | 7.8528 | 19.550 | 4.9915 |
| Stddev | .008   | .074   | .0063  | .0104  | .0047  | .0199  | .039   | .0150  |
| %RSD   | .04734 | .21502 | .12373 | .21536 | .08015 | .25330 | .19871 | .29980 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.305 | 34.356 | 5.1038 | 4.8196 | 5.8846 | 7.8420 | 19.510 | 4.9806 |
| #2 | 16.309 | 34.504 | 5.0940 | 4.8403 | 5.8844 | 7.8406 | 19.553 | 4.9853 |
| #3 | 16.294 | 34.431 | 5.0921 | 4.8319 | 5.8927 | 7.8757 | 19.588 | 5.0086 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.6484 | 1.1021 | 1.5252 | .46991 | 7.1632 | 6.9353 | .44734 | 4.6595 |
| Stddev | .0061  | .0078  | .0037  | .00223 | .0423  | .0054  | .00288 | .0159  |
| %RSD   | .23012 | .71260 | .23978 | .47370 | .59097 | .07809 | .64487 | .34095 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6415 | 1.1099 | 1.5210 | .46862 | 7.1812 | 6.9320 | .44402 | 4.6758 |
| #2 | 2.6530 | 1.0942 | 1.5264 | .46863 | 7.1148 | 6.9324 | .44916 | 4.6587 |
| #3 | 2.6507 | 1.1023 | 1.5280 | .47248 | 7.1935 | 6.9416 | .44885 | 4.6441 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 5.3069 | .32715 | 4.6276 | 1.0031 | 4.7058 | 9.5526 | 110.08 |
| Stddev | .0098  | .00105 | .0241  | .0027  | .0191  | .0313  | .97    |
| %RSD   | .18405 | .32128 | .52173 | .26711 | .40588 | .32739 | .88523 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.3023 | .32594 | 4.6550 | 1.0000 | 4.7002 | 9.5338 | 110.20 |
| #2 | 5.3003 | .32781 | 4.6183 | 1.0049 | 4.7270 | 9.5887 | 110.99 |
| #3 | 5.3181 | .32770 | 4.6095 | 1.0044 | 4.6901 | 9.5354 | 109.05 |

Sample Name: S5      Acquired: 11/06/2019 11:33:28      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S05      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1412.9 | 3072.1 | 34465. | 6718.3 | 3150.5 |
| Stddev    | 11.1   | 8.1    | 197.   | 29.5   | 3.7    |
| %RSD      | .78208 | .26294 | .57266 | .43910 | .11813 |
| #1        | 1404.1 | 3062.9 | 34269. | 6709.6 | 3147.7 |
| #2        | 1425.3 | 3077.9 | 34664. | 6694.1 | 3149.1 |
| #3        | 1409.3 | 3075.5 | 34461. | 6751.2 | 3154.7 |

Sample Name: S6      Acquired: 11/06/2019 11:37:30      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S06      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|
| Elem   | Al3961 | Ca3736 | Fe2598 | Mg2790 | Na8183 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 61.220 | 56.031 | 21.237 | 8.2164 | 4.2829 |
| Stddev | .105   | .116   | .061   | .0273  | .0099  |
| %RSD   | .17071 | .20677 | .28609 | .33208 | .23018 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 61.133 | 56.077 | 21.291 | 8.2390 | 4.2936 |
| #2 | 61.192 | 56.116 | 21.248 | 8.2240 | 4.2810 |
| #3 | 61.336 | 55.899 | 21.171 | 8.1861 | 4.2741 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 6646.3 |
| Stddev    | 23.1   |
| %RSD      | .34717 |

|    |        |
|----|--------|
| #1 | 6624.3 |
| #2 | 6644.4 |
| #3 | 6670.3 |

Sample Name: ICV      Acquired: 11/06/2019 11:50:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9478510 | 1.030429 | .9622500 | 1.001674 | .9197806 | 2.465004 | .4915725 |
| Stddev | .0040400 | .000210  | .0013175 | .007629  | .0009068 | .020942  | .0019052 |
| %RSD   | .4262309 | .0203554 | .1369230 | .7616599 | .0985947 | .8495548 | .3875646 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .9481427 | 1.030302 | .9613972 | 1.002457 | .9187351 | 2.459328 | .4918842 |
| #2 | .9517373 | 1.030671 | .9637675 | .993683  | .9203550 | 2.447485 | .4933026 |
| #3 | .9436730 | 1.030313 | .9615854 | 1.008882 | .9202515 | 2.488198 | .4895307 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4938365 | .4949978 | 10.15563 | .5206343 | .4876241 | .4727063 | 5.280042 |
| Stddev | .0035907 | .0008917 | .00818   | .0011024 | .0003819 | .0037542 | .035848  |
| %RSD   | .7271100 | .1801465 | .0805376 | .2117480 | .0783202 | .7941949 | .6789301 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4909337 | .4953839 | 10.16386 | .5195887 | .4876273 | .4689096 | 5.268326 |
| #2 | .4978518 | .4939781 | 10.15552 | .5205285 | .4872407 | .4764165 | 5.320282 |
| #3 | .4927240 | .4956314 | 10.14750 | .5217859 | .4880045 | .4727929 | 5.251519 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4925251 | 5.836041 | .4978164 | .4930308 | 9.178488 | .5008838 | 1.075720 |
| Stddev | .0028475 | .083711  | .0015495 | .0025121 | .142423  | .0074048 | .005717  |
| %RSD   | .5781543 | 1.434385 | .3112630 | .5095135 | 1.551707 | 1.478341 | .5314383 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4898783 | 5.756992 | .4976945 | .4937534 | 9.299725 | .4953070 | 1.079540 |
| #2 | .4955380 | 5.923743 | .4963315 | .4951024 | 9.214102 | .5092852 | 1.078472 |
| #3 | .4921590 | 5.827388 | .4994233 | .4902367 | 9.021638 | .4980593 | 1.069148 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.059393 | 4.690375 | 4.902936 | 4.658643 | 4.843149 | 4.557956 | 4.588800 |
| Stddev | .071652  | .009859  | .035097  | .004813  | .016308  | .044035  | .005523  |
| %RSD   | .7909183 | .2102014 | .7158466 | .1033204 | .3367194 | .9661064 | .1203482 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.976942 | 4.695829 | 4.871497 | 4.659029 | 4.861832 | 4.516934 | 4.594359 |
| #2 | 9.106566 | 4.696302 | 4.940803 | 4.653648 | 4.831767 | 4.604485 | 4.588725 |
| #3 | 9.094672 | 4.678993 | 4.896507 | 4.663251 | 4.835847 | 4.552448 | 4.583315 |



Sample Name: ICV      Acquired: 11/06/2019 11:50:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.955819 | 4.568140 | 4.852510 |
| Stddev | .054060  | .015516  | .037219  |
| %RSD   | 1.090848 | .3396655 | .7669968 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.960975 | 4.574729 | 4.838765 |
| #2 | 4.899365 | 4.550416 | 4.894646 |
| #3 | 5.007117 | 4.579274 | 4.824119 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1795.406 | 3708.465 | 38223.27 | 7088.150 | 3972.033 |
| Stddev    | 9.334    | 4.224    | 133.75   | 23.513   | 6.998    |
| %RSD      | .5198701 | .1139084 | .3499091 | .3317276 | .1761867 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1790.359 | 3703.588 | 38097.65 | 7115.134 | 3963.952 |
| #2 | 1789.682 | 3710.988 | 38208.27 | 7077.265 | 3976.001 |
| #3 | 1806.177 | 3710.819 | 38363.88 | 7072.052 | 3976.145 |

Sample Name: ICB      Acquired: 11/06/2019 11:54:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000284 | -.000335 | .0012179 | .0004128 | .0016693 | .0079692 | -.000271 |
| Stddev | .003227  | .001475  | .0006129 | .0016060 | .0006743 | .0164441 | .000720  |
| %RSD   | 1137.562 | 440.5981 | 50.32581 | 389.0601 | 40.39246 | 206.3460 | 265.6787 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .001368  | -.001922 | .0019256 | -.000208 | .0024430 | .0060421 | .000273  |
| #2 | .001783  | -.000076 | .0008682 | -.000790 | .0012067 | -.007426 | .000001  |
| #3 | -.004002 | .000994  | .0008598 | .002236  | .0013583 | .025292  | -.001088 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000169 | -.000015 | .0000832 | -.000361 | -.000233 | .0005045 | .0060526 |
| Stddev | .0000512 | .000035  | .0059496 | .000058  | .000088  | .0041236 | .0033556 |
| %RSD   | 303.6110 | 234.7104 | 7148.595 | 16.15066 | 37.55715 | 817.4054 | 55.44035 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000705 | .000022  | -.004069 | -.000372 | -.000296 | .0002813 | .0029927 |
| #2 | -.000031 | -.000018 | -.002580 | -.000413 | -.000270 | -.003503 | .0096411 |
| #3 | .000011  | -.000048 | .006899  | -.000298 | -.000133 | .004735  | .0055240 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000153 | .0284221 | -.000119 | .0004105 | .0131394 | .0010051 | -.002371 |
| Stddev | .000182  | .0162281 | .000245  | .0002681 | .2255860 | .0020622 | .000987  |
| %RSD   | 119.1402 | 57.09686 | 205.4075 | 65.31223 | 1716.863 | 205.1860 | 41.61188 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000117 | .0166921 | .000111  | .0006633 | -.246264 | -.001016 | -.003305 |
| #2 | .000009  | .0216317 | -.000092 | .0001293 | .163367  | .003106  | -.002470 |
| #3 | -.000350 | .0469424 | -.000377 | .0004389 | .122316  | .000926  | -.001339 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.267413 | -.000997 | .0057754 | .0006790 | .0010833 | -.000497 | -.002525 |
| Stddev | .028193  | .001764  | .0003384 | .0002425 | .0031189 | .001635  | .000744  |
| %RSD   | 10.54285 | 176.9535 | 5.858978 | 35.72250 | 287.9180 | 328.9548 | 29.48259 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.277111 | -.002822 | .0061030 | .0008611 | .0027722 | .001390  | -.002443 |
| #2 | -.235651 | -.000866 | .0054272 | .0007723 | -.002516 | -.001494 | -.003306 |
| #3 | -.289476 | .000698  | .0057959 | .0004036 | .002993  | -.001387 | -.001824 |

Sample Name: ICB      Acquired: 11/06/2019 11:54:42      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: ICB      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000916 | .0001716 | .0000318 |
| Stddev | .000978  | .0007583 | .0000915 |
| %RSD   | 106.7580 | 441.8331 | 287.3955 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001335 | .0006960 | .0000188 |
| #2 | -.001616 | -.000698 | .0001292 |
| #3 | .000202  | .000517  | -.000052 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1811.833 | 3735.058 | 38533.29 | 7146.315 | 4013.689 |
| Stddev    | 3.262    | 5.703    | 85.53    | 45.201   | 6.008    |
| %RSD      | .1800332 | .1526974 | .2219673 | .6325129 | .1496994 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1808.147 | 3729.568 | 38610.80 | 7158.857 | 4010.012 |
| #2 | 1813.002 | 3734.654 | 38441.53 | 7096.168 | 4010.432 |
| #3 | 1814.348 | 3740.953 | 38547.53 | 7183.922 | 4020.623 |

Sample Name: ICSA      Acquired: 11/06/2019 11:58:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012680 | .0033114 | -.000039 | .0005714 | .0027540 | 238.9413 |
| Stddev | .0023814 | .0036624 | .000670  | .0025661 | .0018946 | 1.7568   |
| %RSD   | 187.8096 | 110.5988 | 1727.851 | 449.1283 | 68.79316 | .7352601 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0022547 | .0075377 | -.000372 | .0008697 | .0030576 | 239.4783 |
| #2 | .0029975 | .0013284 | .000733  | -.002131 | .0007260 | 236.9787 |
| #3 | -.001448 | .0010681 | -.000477 | .002975  | .0044785 | 240.3670 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0057509 | .0012132 | -.000640 | 247.8979 | .0490189 | -.000251 |
| Stddev | .0001890 | .0000851 | .000016  | 1.0994   | .0003184 | .000147  |
| %RSD   | 3.286561 | 7.014239 | 2.459415 | .4434861 | .6496355 | 58.59158 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0056416 | .0012236 | -.000655 | 246.6730 | .0493724 | -.000398 |
| #2 | .0056419 | .0011234 | -.000641 | 248.7992 | .0489297 | -.000252 |
| #3 | .0059691 | .0012926 | -.000624 | 248.2214 | .0487545 | -.000103 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000627 | 99.41938 | .0111074 | 251.1755 | .0008807 | .0000273 |
| Stddev | .000581  | .61538   | .0006625 | 1.6931   | .0002653 | .0002222 |
| %RSD   | 92.62245 | .6189745 | 5.964557 | .6740703 | 30.11951 | 813.2137 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000057 | 98.79101 | .0118651 | 249.3594 | .0005836 | -.000077 |
| #2 | -.000607 | 100.0209 | .0106373 | 252.7103 | .0009646 | -.000124 |
| #3 | -.001219 | 99.4463  | .0108198 | 251.4570 | .0010938 | .000282  |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.367868 | .0024674 | -.001322 | -.629317 | .0082621 | -.009621 |
| Stddev | .329318  | .0032041 | .002052  | .145738  | .0009518 | .002174  |
| %RSD   | 89.52056 | 129.8579 | 155.2065 | 23.15810 | 11.51987 | 22.59888 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.014727 | .0042577 | .000873  | -.644528 | .0085009 | -.011981 |
| #2 | -.666581 | .0043762 | -.001648 | -.476570 | .0072136 | -.009183 |
| #3 | -.422298 | -.001232 | -.003191 | -.766852 | .0090717 | -.007699 |

Sample Name: ICSA      Acquired: 11/06/2019 11:58:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |            |            |          |            |            |
|--------|----------|------------|------------|----------|------------|------------|
| Elem   | Mo2020   | S_1820     | Si2516     | Sn1899   | Ti3361     | Li6707     |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm        | ppm        |
| Avg    | -.000301 | F .0021561 | F -.004033 | -.006163 | F -.000529 | W .0031923 |
| Stddev | .000233  | .0084230   | .000929    | .000971  | .000505    | .0010584   |
| %RSD   | 77.31796 | 390.6533   | 23.04158   | 15.74729 | 95.37875   | 33.15356   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000546 | .0042520 | -.004706 | -.005874 | -.001092 | .0040633 |
| #2 | -.000082 | .0093334 | -.004420 | -.005369 | -.000376 | .0020144 |
| #3 | -.000276 | -.007117 | -.002972 | -.007245 | -.000118 | .0034991 |

|        |            |
|--------|------------|
| Elem   | Sr4077     |
| Units  | ppm        |
| Avg    | F .1021276 |
| Stddev | .0005932   |
| %RSD   | .5808548   |

|    |          |
|----|----------|
| #1 | .1020892 |
| #2 | .1015545 |
| #3 | .1027391 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1704.917 | 3507.272 | 36674.23 | 7067.515 | 3553.303 |
| Stddev    | 9.945    | 5.020    | 50.21    | 39.058   | 4.613    |
| %RSD      | .5832862 | .1431271 | .1369161 | .5526379 | .1298212 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1708.394 | 3509.745 | 36730.46 | 7051.525 | 3548.012 |
| #2 | 1693.701 | 3510.576 | 36658.35 | 7038.990 | 3556.485 |
| #3 | 1712.657 | 3501.496 | 36633.88 | 7112.031 | 3555.411 |

Sample Name: ICSAB      Acquired: 11/06/2019 12:19:42      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0922736 | .0976884 | .0458381 | .0521361 | .5551288 | 222.6479 |
| Stddev | .0021002 | .0024501 | .0001921 | .0057712 | .0005619 | .2317    |
| %RSD   | 2.276085 | 2.508084 | .4191064 | 11.06948 | .1012157 | .1040524 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0946693 | .0969139 | .0456967 | .0460590 | .5550955 | 222.5429 |
| #2 | .0907499 | .0957192 | .0457609 | .0528066 | .5545844 | 222.4872 |
| #3 | .0914015 | .1004322 | .0460569 | .0575428 | .5557066 | 222.9134 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4697698 | .4641242 | .9476640 | 229.4662 | .5316194 | .4647741 |
| Stddev | .0018992 | .0005778 | .0015646 | .3027    | .0017270 | .0009683 |
| %RSD   | .4042915 | .1244886 | .1651056 | .1318992 | .3248478 | .2083460 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4688262 | .4644932 | .9473972 | 229.3492 | .5305254 | .4648915 |
| #2 | .4719560 | .4644210 | .9462499 | 229.8099 | .5307225 | .4637524 |
| #3 | .4685271 | .4634583 | .9493449 | 229.2395 | .5336102 | .4656784 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4362386 | 92.22772 | .4685373 | 231.7081 | .9335733 | .1843349 |
| Stddev | .0007742 | .30173   | .0011893 | .5978    | .0017355 | .0003382 |
| %RSD   | .1774608 | .3271587 | .2538293 | .2579931 | .1858955 | .1834415 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4370578 | 91.92771 | .4675469 | 231.3570 | .9325538 | .1840741 |
| #2 | .4355192 | 92.53114 | .4698563 | 232.3984 | .9325889 | .1842136 |
| #3 | .4361389 | 92.22431 | .4682086 | 231.3690 | .9355771 | .1847170 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.273908 | .4619939 | 1.055693 | -.994940 | .0072783 | -.010357 |
| Stddev | .216183  | .0024930 | .006753  | .066719  | .0036637 | .000672  |
| %RSD   | 78.92517 | .5396259 | .6397195 | 6.705874 | 50.33711 | 6.490925 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.054847 | .4619575 | 1.054326 | -1.05954 | .0090254 | -.010984 |
| #2 | -.279787 | .4645050 | 1.049727 | -.99899  | .0097415 | -.010440 |
| #3 | -.487092 | .4595193 | 1.063025 | -.92629  | .0030681 | -.009647 |

Sample Name: ICSAB      Acquired: 11/06/2019 12:19:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |          |            |            |          |            |            |
|--------|----------|------------|------------|----------|------------|------------|
| Elem   | Mo2020   | S_1820     | Si2516     | Sn1899   | Ti3361     | Li6707     |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm        | ppm        |
| Avg    | -.000234 | F -.000068 | F -.005383 | -.006354 | F -.002014 | W -.001283 |
| Stddev | .000533  | .003194    | .000850    | .000465  | .001121    | .001648    |
| %RSD   | 228.3682 | 4702.311   | 15.78199   | 7.310679 | 55.67760   | 128.4858   |
|        |          |            |            |          |            |            |
| #1     | -.000158 | -.000293   | -.005192   | -.006616 | -.002856   | .000556    |
| #2     | -.000801 | -.003143   | -.004645   | -.006628 | -.000741   | -.001779   |
| #3     | .000258  | .003233    | -.006312   | -.005818 | -.002443   | -.002626   |

|        |            |
|--------|------------|
| Elem   | Sr4077     |
| Units  | ppm        |
| Avg    | F .0959017 |
| Stddev | .0000829   |
| %RSD   | .0864030   |
|        |            |
| #1     | .0958840   |
| #2     | .0958291   |
| #3     | .0959920   |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1705.076 | 3479.700 | 36904.45 | 7124.930 | 3562.577 |
| Stddev    | 7.369    | 5.631    | 50.68    | 14.521   | 6.907    |
| %RSD      | .4322070 | .1618384 | .1373154 | .2038047 | .1938757 |
|           |          |          |          |          |          |
| #1        | 1708.785 | 3485.980 | 36893.66 | 7111.164 | 3567.780 |
| #2        | 1696.589 | 3478.019 | 36959.65 | 7140.103 | 3565.211 |
| #3        | 1709.855 | 3475.100 | 36860.03 | 7123.522 | 3554.741 |

Sample Name: CCV044      Acquired: 11/06/2019 12:24:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV040      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.812559 | 4.738583 | 24.36630 | 4.833406 | 4.783718 | 411.6732 | 9.690069 |
| Stddev | .011380  | .000705  | .02522   | .001125  | .004950  | 5.1578   | .014526  |
| %RSD   | .2364608 | .0148744 | .1034953 | .0232818 | .1034850 | 1.252896 | .1499099 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.806048 | 4.737777 | 24.36323 | 4.833449 | 4.789240 | 408.5972 | 9.704232 |
| #2 | 4.825699 | 4.739083 | 24.34277 | 4.834509 | 4.782234 | 417.6279 | 9.675205 |
| #3 | 4.805930 | 4.738889 | 24.39292 | 4.832260 | 4.779678 | 408.7946 | 9.690771 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4771586 | 2.450967 | 398.6361 | 15.00547 | 2.458568 | 14.73280 | 398.6030 |
| Stddev | .0036439 | .004353  | .0501    | .00456   | .005995  | .02650   | 1.3668   |
| %RSD   | .7636705 | .1775850 | .0125770 | .0304145 | .2438397 | .1798923 | .3429056 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4736748 | 2.452698 | 398.6322 | 15.00895 | 2.460350 | 14.75212 | 399.6064 |
| #2 | .4768570 | 2.446016 | 398.5880 | 15.00716 | 2.451885 | 14.70259 | 397.0463 |
| #3 | .4809439 | 2.454188 | 398.6880 | 15.00030 | 2.463471 | 14.74370 | 399.1563 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.29212 | 390.0581 | 2.460141 | 1.219441 | 393.9584 | 2.394731 | 14.53309 |
| Stddev | .04672   | .9554    | .005824  | .009221  | .8791    | .005105  | .04699   |
| %RSD   | .3269226 | .2449307 | .2367524 | .7561931 | .2231431 | .2131883 | .3233059 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.33625 | 390.1153 | 2.461460 | 1.211025 | 393.7157 | 2.388836 | 14.48774 |
| #2 | 14.24318 | 389.0754 | 2.453771 | 1.218001 | 393.2261 | 2.397762 | 14.52999 |
| #3 | 14.29694 | 390.9835 | 2.465194 | 1.229298 | 394.9333 | 2.397593 | 14.58156 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 151.3600 | 4.843338 | 4.748104 | 4.832431 | 4.996326 | 4.713651 | 4.904426 |
| Stddev | .0603    | .024263  | .023241  | .009480  | .006860  | .035778  | .007371  |
| %RSD   | .0398602 | .5009569 | .4894824 | .1961735 | .1372933 | .7590195 | .1502865 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 151.4161 | 4.860418 | 4.726997 | 4.838637 | 5.001626 | 4.675526 | 4.901718 |
| #2 | 151.3677 | 4.815566 | 4.744305 | 4.821518 | 4.988578 | 4.718933 | 4.898793 |
| #3 | 151.2962 | 4.854031 | 4.773011 | 4.837137 | 4.998774 | 4.746494 | 4.912768 |



Sample Name: CCV044      Acquired: 11/06/2019 12:24:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV040      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.974377 | 5.007165 | 5.100839 |
| Stddev | .008608  | .007019  | .032710  |
| %RSD   | .1730425 | .1401712 | .6412705 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.969868 | 4.999776 | 5.073252 |
| #2 | 4.984303 | 5.007977 | 5.136975 |
| #3 | 4.968961 | 5.013742 | 5.092289 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1551.294 | 3213.313 | 35544.62 | 6898.779 | 3225.266 |
| Stddev    | 4.040    | .948     | 114.16   | 24.037   | 2.852    |
| %RSD      | .2604388 | .0295141 | .3211621 | .3484195 | .0884292 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1554.529 | 3212.648 | 35664.80 | 6925.841 | 3224.451 |
| #2 | 1552.587 | 3214.399 | 35531.41 | 6879.909 | 3228.436 |
| #3 | 1546.765 | 3212.891 | 35437.64 | 6890.586 | 3222.909 |

Sample Name: CCB044      Acquired: 11/06/2019 12:28:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB040      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000681 | .0003997 | .0038583 | -.000048 | .0004393 | .0169669 | -.000191 |
| Stddev | .001849  | .0004707 | .0009635 | .002875  | .0003870 | .0091899 | .000269  |
| %RSD   | 271.3142 | 117.7607 | 24.97150 | 6006.878 | 88.08579 | 54.16367 | 140.8626 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001304 | .0001657 | .0048624 | .002433  | .0000480 | .0199376 | -.000074 |
| #2 | -.002138 | .0000919 | .0037711 | -.003198 | .0008219 | .0243041 | -.000499 |
| #3 | .001398  | .0009415 | .0029414 | .000621  | .0004481 | .0066591 | -.000001 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000036 | .0000205 | .0119914 | -.000564 | .0000131 | -.000324 | .0157845 |
| Stddev | .000096  | .0000379 | .0075613 | .000352  | .0002185 | .000631  | .0081394 |
| %RSD   | 264.8877 | 185.0789 | 63.05563 | 62.43077 | 1668.711 | 195.0821 | 51.56537 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000028  | -.000023 | .0045871 | -.000308 | -.000076 | -.001045 | .0089044 |
| #2 | -.000147 | .000037  | .0116866 | -.000966 | -.000147 | -.000054 | .0247696 |
| #3 | .000010  | .000048  | .0197004 | -.000419 | .000262  | .000128  | .0136795 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003103 | .0504105 | .0000633 | .0003224 | .1489006 | -.002394 | -.002838 |
| Stddev | .0004169 | .0210956 | .0002174 | .0002196 | .2609073 | .005004  | .001873  |
| %RSD   | 134.3854 | 41.84761 | 343.5372 | 68.10294 | 175.2225 | 209.0551 | 66.01420 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000171 | .0509033 | -.000120 | .0002083 | .4393233 | -.002325 | -.002584 |
| #2 | .000562  | .0290728 | .000007  | .0001834 | .0730695 | -.007432 | -.004825 |
| #3 | .000540  | .0712553 | .000303  | .0005756 | -.065691 | .002576  | -.001104 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.175460 | -.002687 | .0067404 | .0006315 | -.003500 | -.004176 | -.001475 |
| Stddev | .026328  | .001754  | .0011145 | .0001769 | .003057  | .000550  | .000426  |
| %RSD   | 15.00519 | 65.29486 | 16.53501 | 28.01318 | 87.35451 | 13.18240 | 28.88819 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.181576 | -.002692 | .0077658 | .0008224 | -.000052 | -.004805 | -.001064 |
| #2 | -.146612 | -.004439 | .0055542 | .0004732 | -.004565 | -.003785 | -.001447 |
| #3 | -.198191 | -.000930 | .0069014 | .0005989 | -.005882 | -.003937 | -.001915 |

Sample Name: CCB044      Acquired: 11/06/2019 12:28:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB040      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0001653 | .0027055 | .0000761 |
| Stddev | .0008080 | .0010484 | .0000504 |
| %RSD   | 488.8322 | 38.74921 | 66.17641 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000649 | .0027289 | .0001324 |
| #2 | .000966  | .0037420 | .0000352 |
| #3 | .000179  | .0016456 | .0000607 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1821.721 | 3721.660 | 38761.56 | 7148.164 | 4027.952 |
| Stddev    | 8.592    | 4.119    | 23.64    | 3.640    | 1.226    |
| %RSD      | .4716555 | .1106766 | .0609887 | .0509212 | .0304272 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1824.723 | 3717.778 | 38745.33 | 7144.670 | 4029.247 |
| #2 | 1828.409 | 3721.221 | 38788.68 | 7147.888 | 4026.810 |
| #3 | 1812.030 | 3725.981 | 38750.67 | 7151.934 | 4027.800 |

Sample Name: K5521-01      Acquired: 11/06/2019 12:32:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      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    | -.003420 | -.001335 | .7825653 | .0010832 | .0028425 | .2108937 | .0071441 |
| Stddev | .000679  | .001606  | .0030088 | .0008312 | .0031205 | .0051118 | .0004196 |
| %RSD   | 19.85818 | 120.2577 | .3844813 | 76.73034 | 109.7811 | 2.423875 | 5.872970 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.004127 | .000287  | .7809475 | .0009337 | .0039484 | .2111588 | .0072122 |
| #2 | -.002772 | -.001369 | .7807114 | .0019790 | -.000680 | .2158679 | .0066946 |
| #3 | -.003362 | -.002924 | .7860369 | .0003369 | .005259  | .2056546 | .0075254 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000080 | .0000038 | 13.01312 | -.000555 | -.000358 | .7846150 | .1037695 |
| Stddev | .000045  | .0000671 | .04488   | .000204  | .000118  | .0014778 | .0097890 |
| %RSD   | 56.68773 | 1788.856 | .3449052 | 36.70086 | 33.00196 | .1883481 | 9.433394 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000059 | -.000015 | 12.96236 | -.000320 | -.000398 | .7839697 | .1108391 |
| #2 | -.000131 | -.000052 | 13.02947 | -.000672 | -.000225 | .7863057 | .1078728 |
| #3 | -.000048 | .000078  | 13.04754 | -.000674 | -.000452 | .7835696 | .0925966 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1646016 | 3.821099 | .1379121 | .0005137 | 24.07275 | .0009124 | 1.041420 |
| Stddev | .0005680 | .036205  | .0006129 | .0001965 | .37047   | .0040889 | .010496  |
| %RSD   | .3450424 | .9474997 | .4444272 | 38.24514 | 1.538965 | 448.1457 | 1.007873 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1648811 | 3.780485 | .1373077 | .0005505 | 24.07913 | .0051006 | 1.040447 |
| #2 | .1649757 | 3.832823 | .1378953 | .0003015 | 23.69914 | -.003069 | 1.052369 |
| #3 | .1639481 | 3.849989 | .1385332 | .0006892 | 24.44000 | .000706  | 1.031444 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -2.60219 | .4311546 | .0063970 | .0002865 | 2.627566 | 2.860023 | .0329912 |
| Stddev | .05524   | .0032262 | .0001261 | .0001618 | .003280  | .031910  | .0009361 |
| %RSD   | 2.122737 | .7482577 | 1.970716 | 56.48792 | .1248122 | 1.115721 | 2.837544 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -2.63620 | .4318782 | .0063947 | .0003795 | 2.625058 | 2.827341 | .0325779 |
| #2 | -2.63193 | .4339575 | .0065242 | .0003804 | 2.626362 | 2.861627 | .0340628 |
| #3 | -2.53846 | .4276281 | .0062720 | .0000996 | 2.631277 | 2.891100 | .0323328 |

Sample Name: K5521-01      Acquired: 11/06/2019 12:32:35      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0015579 | -.012192 | .0354381 |
| Stddev | .0002050 | .000311  | .0000837 |
| %RSD   | 13.15701 | 2.546824 | .2362446 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0015035 | -.011837 | .0355333 |
| #2 | .0013857 | -.012323 | .0353757 |
| #3 | .0017846 | -.012415 | .0354054 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1881.198 | 3820.648 | 40128.05 | 7427.827 | 4147.940 |
| Stddev    | 17.452   | 5.752    | 43.26    | 40.001   | 9.811    |
| %RSD      | .9277042 | .1505535 | .1078001 | .5385355 | .2365342 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1901.137 | 3827.289 | 40110.96 | 7457.843 | 4158.615 |
| #2 | 1873.754 | 3817.404 | 40177.24 | 7382.415 | 4145.887 |
| #3 | 1868.701 | 3817.250 | 40095.94 | 7443.223 | 4139.317 |

Sample Name: K5521-01RE      Acquired: 11/06/2019 12:36:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      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    | .0019436 | .0008220 | .7365926 | -.003338 | .0022814 | .2006145 | .0078662 |
| Stddev | .0009667 | .0016179 | .0397969 | .001822  | .0004725 | .0132478 | .0004551 |
| %RSD   | 49.73801 | 196.8245 | 5.402834 | 54.59094 | 20.71231 | 6.603618 | 5.785843 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0030433 | -.000754 | .7567566 | -.004578 | .0026045 | .1889039 | .0075437 |
| #2 | .0015593 | .000741  | .7622717 | -.004191 | .0017391 | .2149933 | .0076682 |
| #3 | .0012281 | .002479  | .6907496 | -.001246 | .0025007 | .1979462 | .0083868 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001268 | .0000570 | 12.64667 | -.000864 | -.000161 | .7588506 | .0938493 |
| Stddev | .0000496 | .0000873 | .06327   | .000336  | .000043  | .0053491 | .0065904 |
| %RSD   | 39.10308 | 153.0787 | .5002962 | 38.86717 | 26.38702 | .7049004 | 7.022311 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001585 | .0001563 | 12.58435 | -.000973 | -.000133 | .7533640 | .0950813 |
| #2 | .0001522 | -.000008 | 12.71085 | -.000487 | -.000210 | .7640507 | .0997368 |
| #3 | .0000697 | .000023  | 12.64481 | -.001131 | -.000140 | .7591370 | .0867299 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1463886 | 3.742543 | .1297056 | .0005891 | 23.37609 | .0014335 | 1.013981 |
| Stddev | .0005499 | .061708  | .0071871 | .0003216 | .13135   | .0003386 | .008911  |
| %RSD   | .3756607 | 1.648817 | 5.541097 | 54.60328 | .5619171 | 23.62096 | .8787819 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1467316 | 3.809620 | .1331215 | .0007958 | 23.23102 | .0017874 | 1.003707 |
| #2 | .1466798 | 3.729822 | .1345476 | .0002185 | 23.48696 | .0011127 | 1.018641 |
| #3 | .1457543 | 3.688187 | .1214476 | .0007529 | 23.41030 | .0014003 | 1.019595 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -2.63781 | .4240600 | .0039501 | -.000147 | 2.716075 | 2.907488 | .0134416 |
| Stddev | .09320   | .0257042 | .0002907 | .000169  | .155905  | .029685  | .0016589 |
| %RSD   | 3.533080 | 6.061450 | 7.360642 | 114.9075 | 5.740078 | 1.020990 | 12.34174 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -2.73444 | .4341418 | .0042845 | -.000087 | 2.789362 | 2.895690 | .0134938 |
| #2 | -2.63051 | .4431949 | .0038091 | -.000338 | 2.821833 | 2.941258 | .0150739 |
| #3 | -2.54848 | .3948432 | .0037567 | -.000017 | 2.537031 | 2.885515 | .0117572 |

Sample Name: K5521-01RE      Acquired: 11/06/2019 12:36:39      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0014297 | -.010735 | .0341232 |
| Stddev | .0008716 | .001705  | .0000672 |
| %RSD   | 60.96661 | 15.88655 | .1970226 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0022637 | -.010843 | .0340459 |
| #2 | .0005248 | -.012383 | .0341558 |
| #3 | .0015005 | -.008978 | .0341678 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1935.959 | 4067.756 | 40869.83 | 7477.231 | 4426.430 |
| Stddev    | 6.547    | 190.044  | 19.42    | 32.273   | 217.498  |
| %RSD      | .3381823 | 4.671959 | .0475118 | .4316178 | 4.913614 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1941.350 | 3982.850 | 40862.37 | 7509.765 | 4327.385 |
| #2 | 1928.674 | 3934.967 | 40891.87 | 7445.225 | 4276.082 |
| #3 | 1937.853 | 4285.452 | 40855.25 | 7476.703 | 4675.821 |

Sample Name: PB124552BL      Acquired: 11/06/2019 12:40:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBW552      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000817 | .0008521 | .0014062 | .0007711 | -.000765 | .0054239 | -.000725 |
| Stddev | .000548  | .0021805 | .0012884 | .0027234 | .001136  | .0007386 | .000711  |
| %RSD   | 67.05633 | 255.8913 | 91.62064 | 353.1842 | 148.5498 | 13.61781 | 98.10557 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001014 | .0024447 | .0004826 | -.001501 | -.000056 | .0061731 | .000029  |
| #2 | -.001240 | .0017448 | .0008580 | .000024  | -.000163 | .0046964 | -.001384 |
| #3 | -.000198 | -.001633 | .0028780 | .003790  | -.002075 | .0054022 | -.000820 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000284 | -.000003 | -.005821 | -.000495 | .0001005 | -.000771 | -.002446 |
| Stddev | .0000373 | .000031  | .012547  | .000453  | .0001993 | .002280  | .006387  |
| %RSD   | 131.3868 | 1118.066 | 215.5623 | 91.53809 | 198.4146 | 295.6646 | 261.1160 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000293 | .000031  | -.016252 | .000018  | -.000017 | -.003218 | -.004587 |
| #2 | -.000009 | -.000011 | -.009313 | -.000661 | -.000012 | -.000388 | .004736  |
| #3 | .000065  | -.000028 | .008103  | -.000842 | .000331  | .001293  | -.007488 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000670 | .0407753 | .0000871 | .0004546 | -.196907 | .0002225 | -.004389 |
| Stddev | .0001262 | .0192550 | .0003392 | .0002982 | .193807  | .0003870 | .001471  |
| %RSD   | 188.2407 | 47.22228 | 389.6205 | 65.58613 | 98.42545 | 173.9067 | 33.52287 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001552 | .0615863 | .0003098 | .0003956 | -.338580 | -.000223 | -.003721 |
| #2 | -.000077 | .0235924 | .0002547 | .0001904 | .023955  | .000478  | -.006075 |
| #3 | .000123  | .0371473 | -.000303 | .0007779 | -.276095 | .000412  | -.003370 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.317719 | .0009025 | -.002044 | -.000136 | -.001095 | -.004215 | -.002861 |
| Stddev | .148262  | .0007095 | .000791  | .000308  | .005419  | .000856  | .000428  |
| %RSD   | 46.66446 | 78.61569 | 38.71657 | 225.8314 | 494.8024 | 20.31691 | 14.96061 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.340750 | .0016750 | -.002349 | .000196  | .004779  | -.003500 | -.002700 |
| #2 | -.159289 | .0002801 | -.001145 | -.000193 | -.005900 | -.005164 | -.003347 |
| #3 | -.453117 | .0007523 | -.002637 | -.000412 | -.002164 | -.003981 | -.002537 |



Sample Name: PB124552BL      Acquired: 11/06/2019 12:40:45      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: PBW552      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0002131 | -.003047 | -.000097 |
| Stddev | .0009713 | .000830  | .000064  |
| %RSD   | 455.7181 | 27.23564 | 65.86720 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000907 | -.002474 | -.000127 |
| #2 | .000817  | -.002668 | -.000140 |
| #3 | .000730  | -.003998 | -.000024 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1801.407 | 3672.228 | 38380.86 | 7100.825 | 3988.794 |
| Stddev    | 7.709    | 10.349   | 58.44    | 12.851   | 11.480   |
| %RSD      | .4279671 | .2818107 | .1522704 | .1809771 | .2878163 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1810.213 | 3664.945 | 38374.61 | 7097.312 | 3986.465 |
| #2 | 1795.870 | 3667.666 | 38325.79 | 7090.097 | 3978.656 |
| #3 | 1798.140 | 3684.074 | 38442.18 | 7115.068 | 4001.260 |

Sample Name: PB124552BS      Acquired: 11/06/2019 12:44:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS552      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0194534 | .0529221 | .0209558 | .0758800 | .1235786 | .3974020 |
| Stddev | .0017542 | .0017521 | .0017536 | .0002656 | .0001361 | .0033881 |
| %RSD   | 9.017545 | 3.310784 | 8.368116 | .3500193 | .1101311 | .8525584 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0198789 | .0526028 | .0224065 | .0759501 | .1234848 | .3963210 |
| #2 | .0209557 | .0513516 | .0214539 | .0755863 | .1235163 | .4011987 |
| #3 | .0175255 | .0548119 | .0190070 | .0761034 | .1237347 | .3946864 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3953448 | .0103152 | .0100700 | 10.11397 | .0218418 | .0978130 |
| Stddev | .0002890 | .0002152 | .0000710 | .01338   | .0001546 | .0002102 |
| %RSD   | .0730873 | 2.085965 | .7049585 | .1322524 | .7077610 | .2148741 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3955205 | .0101912 | .0100786 | 10.12931 | .0216965 | .0975787 |
| #2 | .3950113 | .0101908 | .0101363 | 10.10786 | .0218247 | .0979850 |
| #3 | .3955025 | .0105637 | .0099951 | 10.10474 | .0220043 | .0978752 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0451186 | .2125115 | .0326233 | 9.805657 | .0822386 | .0201874 |
| Stddev | .0010701 | .0048584 | .0005821 | .029039  | .0000807 | .0002645 |
| %RSD   | 2.371710 | 2.286171 | 1.784201 | .2961405 | .0981463 | 1.310357 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0461798 | .2087759 | .0329413 | 9.783206 | .0822152 | .0203983 |
| #2 | .0440399 | .2180039 | .0329770 | 9.838451 | .0823285 | .0198906 |
| #3 | .0451360 | .2107548 | .0319515 | 9.795313 | .0821723 | .0202733 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 9.604407 | .1007622 | .1309650 | 9.757875 | .0186272 | F .0173991 |
| Stddev | .248082  | .0005625 | .0026866 | .029251  | .0010528 | .0006438   |
| %RSD   | 2.582998 | .5582702 | 2.051417 | .2997684 | 5.652080 | 3.699877   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.503164 | .1014117 | .1327805 | 9.791241 | .0174278 | .0178527 |
| #2 | 9.422959 | .1004307 | .1322357 | 9.745740 | .0190552 | .0166623 |
| #3 | 9.887100 | .1004443 | .1278787 | 9.736645 | .0193986 | .0176824 |

Sample Name: PB124552BS      Acquired: 11/06/2019 12:44:54      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: LCS552      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |            |          |            |
|--------|----------|----------|----------|------------|----------|------------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707     |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm        |
| Avg    | .0206550 | .1833663 | .1842746 | F .0093836 | .2019015 | F .0943339 |
| Stddev | .0002550 | .0055559 | .0040690 | .0003560   | .0009853 | .0011898   |
| %RSD   | 1.234685 | 3.029926 | 2.208121 | 3.793935   | .4880237 | 1.261303   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0208969 | .1848219 | .1831201 | .0095281 | .2011256 | .0942951 |
| #2 | .0203886 | .1772275 | .1809076 | .0089780 | .2015688 | .0931639 |
| #3 | .0206794 | .1880494 | .1887961 | .0096446 | .2030101 | .0955427 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2047549 |
| Stddev | .0008079 |
| %RSD   | .3945939 |

|    |          |
|----|----------|
| #1 | .2056877 |
| #2 | .2043044 |
| #3 | .2042728 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1809.985 | 3680.154 | 38502.79 | 7107.241 | 3992.375 |
| Stddev    | 9.978    | 3.955    | 17.51    | 21.650   | 8.651    |
| %RSD      | .5512531 | .1074716 | .0454793 | .3046206 | .2166935 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1801.235 | 3677.983 | 38502.49 | 7127.827 | 3983.121 |
| #2 | 1820.851 | 3677.760 | 38520.45 | 7109.231 | 4000.260 |
| #3 | 1807.868 | 3684.719 | 38485.43 | 7084.664 | 3993.745 |

Sample Name: PB124551BS      Acquired: 11/06/2019 12:53:14      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: LCS551      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0191961 | .0526538 | .0205429 | .0765088 | .1251833 | .3990631 |
| Stddev | .0012923 | .0022762 | .0006400 | .0012287 | .0022894 | .0087053 |
| %RSD   | 6.732049 | 4.322902 | 3.115625 | 1.605981 | 1.828873 | 2.181432 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0205790 | .0547873 | .0212163 | .0752228 | .1235366 | .3890130 |
| #2 | .0180192 | .0529164 | .0199425 | .0766327 | .1242155 | .4039177 |
| #3 | .0189900 | .0502577 | .0204700 | .0776709 | .1277977 | .4042585 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3989540 | .0101730 | .0102523 | 10.11786 | .0217898 | .0986103 |
| Stddev | .0005675 | .0000169 | .0000973 | .01481   | .0003865 | .0000881 |
| %RSD   | .1422447 | .1666105 | .9493166 | .1463717 | 1.773767 | .0893768 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3994405 | .0101568 | .0101796 | 10.13400 | .0221802 | .0985406 |
| #2 | .3990908 | .0101716 | .0102145 | 10.10490 | .0217819 | .0985811 |
| #3 | .3983306 | .0101906 | .0103629 | 10.11468 | .0214073 | .0987094 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0459564 | .2090189 | .0322276 | 9.744523 | .0826790 | .0202610 |
| Stddev | .0029466 | .0058458 | .0004849 | .018047  | .0004148 | .0001115 |
| %RSD   | 6.411703 | 2.796759 | 1.504618 | .1851993 | .5016865 | .5502004 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0459654 | .2023948 | .0320034 | 9.727001 | .0828759 | .0201345 |
| #2 | .0430053 | .2134552 | .0318953 | 9.763053 | .0822024 | .0203033 |
| #3 | .0488984 | .2112067 | .0327840 | 9.743515 | .0829587 | .0203450 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 9.648646 | .1008893 | .1317006 | 9.638157 | .0197113 | F .0172116 |
| Stddev | .278029  | .0026081 | .0003841 | .044528  | .0018951 | .0002646   |
| %RSD   | 2.881534 | 2.585130 | .2916344 | .4619983 | 9.614366 | 1.537585   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.463719 | .0978785 | .1313226 | 9.669103 | .0201770 | .0171062 |
| #2 | 9.513838 | .1023359 | .1320905 | 9.658244 | .0176267 | .0175127 |
| #3 | 9.968379 | .1024536 | .1316888 | 9.587124 | .0213301 | .0170159 |

Sample Name: PB124551BS      Acquired: 11/06/2019 12:53:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS551      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |            |
|--------|----------|----------|----------|------------|----------|------------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707     |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm        |
| Avg    | .0208222 | .1857311 | .1834820 | F .0090991 | .2025154 | F .0931351 |
| Stddev | .0004311 | .0028228 | .0020016 | .0005606   | .0014902 | .0008125   |
| %RSD   | 2.070578 | 1.519808 | 1.090882 | 6.160921   | .7358363 | .8724045   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0205709 | .1875614 | .1857926 | .0092932 | .2008253 | .0937429 |
| #2 | .0205757 | .1871516 | .1823709 | .0095369 | .2030802 | .0934501 |
| #3 | .0213201 | .1824803 | .1822824 | .0084673 | .2036405 | .0922122 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2055098 |
| Stddev | .0000845 |
| %RSD   | .0411303 |

|    |          |
|----|----------|
| #1 | .2054937 |
| #2 | .2056013 |
| #3 | .2054345 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1807.637 | 3686.763 | 38651.58 | 7251.950 | 4009.880 |
| Stddev    | 8.401    | 4.524    | 184.02   | 11.425   | 5.921    |
| %RSD      | .4647388 | .1227140 | .4760912 | .1575466 | .1476510 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1798.716 | 3691.394 | 38497.80 | 7240.981 | 4009.844 |
| #2 | 1808.799 | 3682.354 | 38601.49 | 7251.087 | 4003.978 |
| #3 | 1815.396 | 3686.541 | 38855.46 | 7263.783 | 4015.819 |

Sample Name: PB124551BL      Acquired: 11/06/2019 12:49:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS551      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000705 | -.000270 | .0008057 | -.000048 | .0012154 | -.002239 | -.000826 |
| Stddev | .002416  | .001210  | .0006322 | .000835  | .0002795 | .003423  | .000145  |
| %RSD   | 342.8782 | 447.6850 | 78.46724 | 1756.502 | 22.99815 | 152.8759 | 17.56676 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.003457 | -.001189 | .0007592 | -.000833 | .0009395 | -.002314 | -.000981 |
| #2 | .000274  | -.000723 | .0001980 | .000829  | .0012083 | -.005624 | -.000803 |
| #3 | .001069  | .001101  | .0014598 | -.000138 | .0014984 | .001221  | -.000693 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000209 | -.000001 | -.006155 | -.000378 | .0000550 | .0008945 | .0024818 |
| Stddev | .0000406 | .000057  | .007063  | .000876  | .0001040 | .0004567 | .0048072 |
| %RSD   | 194.5847 | 4756.323 | 114.7514 | 231.8024 | 189.3607 | 51.05859 | 193.6979 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000022 | .000032  | -.006692 | .000617  | .0001622 | .0012790 | .0049849 |
| #2 | .000027  | .000032  | -.012935 | -.001035 | -.000046 | .0010149 | -.003060 |
| #3 | .000058  | -.000067 | .001161  | -.000715 | .000048  | .0003897 | .005521  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000292 | .0213726 | .0000535 | .0003505 | -.054449 | .0020017 | -.002468 |
| Stddev | .000278  | .0205336 | .0002376 | .0002756 | .199343  | .0036467 | .002244  |
| %RSD   | 94.91845 | 96.07421 | 444.2175 | 78.64570 | 366.1077 | 182.1811 | 90.91042 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000212 | -.002237 | .0002110 | .0004093 | -.279785 | -.001102 | -.001995 |
| #2 | -.000601 | .035070  | -.000220 | .0005919 | .098908  | .006018  | -.000499 |
| #3 | -.000064 | .031284  | .000169  | .0000502 | .017529  | .001089  | -.004910 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.261315 | -.000210 | -.003459 | .0000879 | -.002881 | -.004000 | -.003264 |
| Stddev | .024658  | .001185  | .000362  | .0002583 | .004641  | .000387  | .000406  |
| %RSD   | 9.436262 | 564.4397 | 10.46796 | 293.7205 | 161.1125 | 9.679884 | 12.43035 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.287729 | -.000087 | -.003461 | .0003470 | -.001833 | -.003557 | -.003269 |
| #2 | -.238902 | .000909  | -.003821 | .0000864 | -.007957 | -.004272 | -.002856 |
| #3 | -.257314 | -.001451 | -.003097 | -.000170 | .001147  | -.004172 | -.003667 |

Sample Name: PB124551BL      Acquired: 11/06/2019 12:49:03      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: PBS551      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000985 | -.005153 | -.000109 |
| Stddev | .001590  | .001263  | .000057  |
| %RSD   | 161.3265 | 24.52065 | 52.66771 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000309 | -.004170 | -.000130 |
| #2 | .000154  | -.006578 | -.000044 |
| #3 | -.002802 | -.004711 | -.000153 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1811.359 | 3706.571 | 38480.15 | 7145.710 | 4009.406 |
| Stddev    | 7.983    | 5.522    | 83.72    | 17.869   | 4.743    |
| %RSD      | .4407219 | .1489726 | .2175681 | .2500663 | .1182953 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1819.461 | 3700.205 | 38399.09 | 7126.059 | 4005.960 |
| #2 | 1803.500 | 3710.072 | 38566.30 | 7160.984 | 4007.442 |
| #3 | 1811.116 | 3709.435 | 38475.06 | 7150.086 | 4014.815 |

Sample Name: K5638-02      Acquired: 11/06/2019 13:09:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MX2J55D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0580442 | .0557190 | .0409159 | .0887505 | .1015058 | .8385136 | .4525679 |
| Stddev | .0025300 | .0015304 | .0018277 | .0022779 | .0028102 | .0005347 | .0018153 |
| %RSD   | 4.358677 | 2.746650 | 4.467051 | 2.566638 | 2.768553 | .0637678 | .4011010 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0609627 | .0543334 | .0388932 | .0910926 | .0987622 | .8385646 | .4524694 |
| #2 | .0566961 | .0573617 | .0414055 | .0865427 | .1043782 | .8379552 | .4544303 |
| #3 | .0564737 | .0554620 | .0424489 | .0886163 | .1013772 | .8390209 | .4508039 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0150931 | .0102419 | 7.961766 | .0422439 | .0585546 | .1879157 | 1.907816 |
| Stddev | .0001724 | .0001337 | .051756  | .0004741 | .0005677 | .0057475 | .012820  |
| %RSD   | 1.142369 | 1.304996 | .6500532 | 1.122311 | .9695148 | 3.058553 | .6719515 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0149184 | .0101031 | 7.926851 | .0419275 | .0579690 | .1927604 | 1.917015 |
| #2 | .0152631 | .0103698 | 8.021228 | .0427890 | .0591025 | .1815652 | 1.913259 |
| #3 | .0150977 | .0102529 | 7.937220 | .0420152 | .0585923 | .1894217 | 1.893173 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0597949 | 9.784169 | .1097714 | .0488762 | 9.474773 | .3518740 | .2318299 |
| Stddev | .0003939 | .071771  | .0003757 | .0003193 | .302442  | .0016720 | .0043045 |
| %RSD   | .6587918 | .7335429 | .3422442 | .6533012 | 3.192081 | .4751567 | 1.856761 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0601076 | 9.728405 | .1098493 | .0485346 | 9.707118 | .3507973 | .2281435 |
| #2 | .0593525 | 9.865144 | .1101021 | .0491673 | 9.584396 | .3510244 | .2307857 |
| #3 | .0599247 | 9.758958 | .1093629 | .0489266 | 9.132806 | .3538001 | .2365604 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.473054 | .0000109 | -.004424 | -.000346 | -.002315 | -.004378 | -.004498 |
| Stddev | .080372  | .0012827 | .000434  | .000086  | .001461  | .000921  | .000601  |
| %RSD   | .9485655 | 11731.92 | 9.809762 | 24.87686 | 63.10194 | 21.03755 | 13.35619 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.448270 | -.001056 | -.004590 | -.000286 | -.000669 | -.004279 | -.003987 |
| #2 | 8.562900 | -.000346 | -.004751 | -.000445 | -.003456 | -.003511 | -.005160 |
| #3 | 8.407993 | .001434  | -.003932 | -.000307 | -.002820 | -.005345 | -.004348 |



Sample Name: K5638-02      Acquired: 11/06/2019 13:09:20      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MX2J55D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0001099 | -.005348 | .0032238 |
| Stddev | .0001567 | .001499  | .0000567 |
| %RSD   | 142.5994 | 28.02686 | 1.757132 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000070 | -.007079 | .0031619 |
| #2 | .000184  | -.004527 | .0032366 |
| #3 | .000216  | -.004440 | .0032730 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1789.698 | 3693.902 | 38352.07 | 7228.488 | 3993.785 |
| Stddev    | 13.832   | 5.386    | 226.70   | 16.154   | 5.345    |
| %RSD      | .7728460 | .1458109 | .5911109 | .2234747 | .1338270 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1795.206 | 3690.017 | 38553.46 | 7220.486 | 3989.190 |
| #2 | 1773.961 | 3691.638 | 38106.54 | 7217.896 | 3992.516 |
| #3 | 1799.928 | 3700.051 | 38396.18 | 7247.080 | 3999.651 |

Sample Name: K5638-01      Acquired: 11/06/2019 13:05:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MX2J55      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0569310 | .0555464 | .0404591 | .0892258 | .1009186 | .8383254 | .4481158 |
| Stddev | .0014058 | .0006428 | .0006855 | .0036142 | .0008545 | .0143469 | .0022976 |
| %RSD   | 2.469327 | 1.157260 | 1.694396 | 4.050599 | .8467214 | 1.711373 | .5127128 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0566385 | .0551656 | .0408606 | .0884219 | .0999405 | .8548558 | .4457419 |
| #2 | .0556945 | .0551851 | .0396675 | .0931742 | .1012953 | .8310047 | .4503285 |
| #3 | .0584601 | .0562886 | .0408491 | .0860812 | .1015200 | .8291157 | .4482771 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0152374 | .0100259 | 7.899639 | .0422692 | .0581795 | .1867880 | 1.887921 |
| Stddev | .0001272 | .0000375 | .023930  | .0001313 | .0001386 | .0042148 | .014575  |
| %RSD   | .8350084 | .3736165 | .3029269 | .3106922 | .2381551 | 2.256472 | .7720187 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0151227 | .0099830 | 7.887957 | .0421189 | .0580207 | .1860920 | 1.872166 |
| #2 | .0152153 | .0100430 | 7.927167 | .0423264 | .0582422 | .1913075 | 1.900924 |
| #3 | .0153743 | .0100518 | 7.883795 | .0423622 | .0582756 | .1829645 | 1.890673 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0595053 | 9.708906 | .1089449 | .0486917 | 9.541051 | .3492443 | .2207032 |
| Stddev | .0004489 | .057411  | .0004141 | .0002246 | .391536  | .0036898 | .0075885 |
| %RSD   | .7544526 | .5913209 | .3800886 | .4611942 | 4.103695 | 1.056508 | 3.438337 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0591230 | 9.642701 | .1084695 | .0488934 | 9.178966 | .3454455 | .2294494 |
| #2 | .0593933 | 9.744954 | .1092268 | .0484497 | 9.487633 | .3528144 | .2167924 |
| #3 | .0599996 | 9.739064 | .1091384 | .0487322 | 9.956552 | .3494730 | .2158678 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.400913 | -.000024 | -.004207 | -.000157 | -.000091 | -.004139 | -.003723 |
| Stddev | .098891  | .002431  | .000371  | .000356  | .004777  | .000379  | .001019  |
| %RSD   | 1.177149 | 10259.38 | 8.806273 | 227.4784 | 5277.247 | 9.164566 | 27.37635 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.514945 | .001460  | -.004493 | -.000342 | .003804  | -.004179 | -.004558 |
| #2 | 8.338709 | -.002830 | -.003789 | -.000382 | -.005421 | -.003741 | -.002587 |
| #3 | 8.349083 | .001299  | -.004340 | .000254  | .001346  | -.004497 | -.004024 |

Sample Name: K5638-01      Acquired: 11/06/2019 13:05:16      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MX2J55      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.001100 | -.005419 | .0031557 |
| Stddev | .000493  | .002248  | .0000198 |
| %RSD   | 44.79952 | 41.48344 | .6285055 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000665 | -.007986 | .0031786 |
| #2 | -.001000 | -.004469 | .0031454 |
| #3 | -.001635 | -.003802 | .0031432 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1796.642 | 3688.085 | 38265.82 | 7169.098 | 3983.376 |
| Stddev    | 15.678   | 4.084    | 289.35   | 17.838   | 2.996    |
| %RSD      | .8726522 | .1107328 | .7561695 | .2488141 | .0752210 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1778.934 | 3683.503 | 38018.03 | 7189.630 | 3986.384 |
| #2 | 1802.236 | 3691.344 | 38195.61 | 7157.415 | 3983.353 |
| #3 | 1808.757 | 3689.407 | 38583.82 | 7160.248 | 3980.392 |

Sample Name: K5638-03      Acquired: 11/06/2019 13:13:25      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MX2J55S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0930138 | .1072308 | .0588773 | .1429999 | .1983479 | 2.692430 | 2.466485 |
| Stddev | .0013761 | .0022624 | .0009410 | .0011979 | .0018103 | .016909  | .014512  |
| %RSD   | 1.479487 | 2.109806 | 1.598252 | .8376981 | .9127099 | .6280269 | .5883594 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0937176 | .1062436 | .0586005 | .1435903 | .1984787 | 2.700360 | 2.475822 |
| #2 | .0938956 | .1098190 | .0581057 | .1416214 | .1964757 | 2.673014 | 2.473866 |
| #3 | .0914281 | .1056297 | .0599257 | .1437880 | .2000892 | 2.703918 | 2.449766 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0652610 | .0612119 | 7.841297 | .2634533 | .5569079 | .4007494 | 2.975942 |
| Stddev | .0001799 | .0002426 | .049596  | .0016484 | .0019938 | .0034262 | .023580  |
| %RSD   | .2757120 | .3962663 | .6324962 | .6256751 | .3580129 | .8549347 | .7923411 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0654684 | .0613597 | 7.858167 | .2651692 | .5592101 | .4018887 | 2.993958 |
| #2 | .0651468 | .0613440 | 7.880257 | .2618820 | .5557779 | .3968987 | 2.984614 |
| #3 | .0651678 | .0609319 | 7.785467 | .2633087 | .5557359 | .4034607 | 2.949254 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5657986 | 9.686740 | .6201073 | .0924588 | 9.359529 | .8547074 | .7819202 |
| Stddev | .0025994 | .041646  | .0007116 | .0008488 | .190255  | .0051853 | .0127950 |
| %RSD   | .4594169 | .4299263 | .1147540 | .9179793 | 2.032739 | .6066717 | 1.636356 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5674774 | 9.694662 | .6208179 | .0915296 | 9.477858 | .8571587 | .7696312 |
| #2 | .5671140 | 9.723856 | .6201094 | .0931934 | 9.460663 | .8582125 | .7809620 |
| #3 | .5628045 | 9.641703 | .6193947 | .0926533 | 9.140066 | .8487509 | .7951674 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.280181 | .0006877 | -.004715 | -.000044 | -.000837 | -.004619 | -.003841 |
| Stddev | .079937  | .0011840 | .000671  | .000163  | .003592  | .000582  | .000437  |
| %RSD   | .9654069 | 172.1463 | 14.23722 | 370.0519 | 429.3747 | 12.59430 | 11.38757 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.359571 | .0020136 | -.004401 | -.000187 | .002279  | -.003971 | -.004304 |
| #2 | 8.281266 | -.000264 | -.005486 | -.000077 | -.000023 | -.005097 | -.003782 |
| #3 | 8.199707 | .000313  | -.004259 | .000133  | -.004765 | -.004789 | -.003435 |

Sample Name: K5638-03      Acquired: 11/06/2019 13:13:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MX2J55S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.001679 | -.005499 | .0032314 |
| Stddev | .001296  | .000819  | .0000804 |
| %RSD   | 77.17888 | 14.88482 | 2.487579 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.002080 | -.006375 | .0031406 |
| #2 | -.000230 | -.004754 | .0032600 |
| #3 | -.002728 | -.005368 | .0032936 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1799.959 | 3683.490 | 38472.46 | 7252.191 | 3988.786 |
| Stddev    | 15.819   | 3.687    | 175.81   | 45.439   | 8.445    |
| %RSD      | .8788297 | .1001076 | .4569765 | .6265549 | .2117098 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1815.131 | 3681.295 | 38610.81 | 7199.828 | 3979.772 |
| #2 | 1783.565 | 3687.747 | 38274.63 | 7275.497 | 3990.072 |
| #3 | 1801.182 | 3681.428 | 38531.94 | 7281.248 | 3996.514 |

Sample Name: K5638-01LX5      Acquired: 11/06/2019 13:17:25      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MX2J55L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0094729 | .0121052 | .0092335 | .0179344 | .0218558 | .1621730 | .0885574 |
| Stddev | .0000791 | .0026446 | .0005924 | .0032643 | .0015310 | .0072693 | .0003376 |
| %RSD   | .8354581 | 21.84703 | 6.415523 | 18.20127 | 7.005233 | 4.482466 | .3811854 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0095642 | .0101733 | .0088022 | .0144643 | .0208564 | .1615761 | .0887820 |
| #2 | .0094297 | .0110230 | .0099089 | .0209439 | .0236184 | .1552206 | .0881693 |
| #3 | .0094248 | .0151193 | .0089893 | .0183951 | .0210926 | .1697225 | .0887211 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0029752 | .0020117 | 1.581710 | .0084733 | .0118677 | .0397819 | .3838435 |
| Stddev | .0001316 | .0000105 | .018797  | .0004170 | .0000887 | .0032707 | .0067484 |
| %RSD   | 4.424344 | .5212226 | 1.188428 | 4.921219 | .7472327 | 8.221515 | 1.758106 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0030924 | .0019997 | 1.598185 | .0083917 | .0117677 | .0430371 | .3847796 |
| #2 | .0028328 | .0020160 | 1.585711 | .0081031 | .0118985 | .0398126 | .3766759 |
| #3 | .0030004 | .0020193 | 1.561234 | .0089251 | .0119369 | .0364960 | .3900749 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0117535 | 1.965528 | .0219539 | .0098048 | 1.852894 | .0692596 | .0435518 |
| Stddev | .0003743 | .006718  | .0002112 | .0001450 | .252174  | .0025415 | .0023199 |
| %RSD   | 3.184443 | .3417937 | .9620681 | 1.479194 | 13.60974 | 3.669576 | 5.326719 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0121308 | 1.967522 | .0218715 | .0098747 | 2.115460 | .0700495 | .0435505 |
| #2 | .0117474 | 1.971024 | .0221939 | .0096381 | 1.830632 | .0664169 | .0412326 |
| #3 | .0113823 | 1.958039 | .0217963 | .0099016 | 1.612588 | .0713124 | .0458723 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.400329 | -.001310 | -.004591 | -.000018 | -.002772 | -.004298 | -.003311 |
| Stddev | .090156  | .001304  | .000870  | .000161  | .003041  | .000713  | .000983  |
| %RSD   | 6.438166 | 99.54488 | 18.94289 | 900.7885 | 109.6888 | 16.58219 | 29.67440 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.307019 | -.000136 | -.005581 | -.000067 | .000739  | -.003519 | -.004076 |
| #2 | 1.407008 | -.001079 | -.004244 | -.000148 | -.004487 | -.004460 | -.002203 |
| #3 | 1.486959 | -.002713 | -.003948 | .000162  | -.004569 | -.004916 | -.003654 |

Sample Name: K5638-01LX5      Acquired: 11/06/2019 13:17:25      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MX2J55L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000445 | -.006162 | .0005154 |
| Stddev | .001677  | .000808  | .0000253 |
| %RSD   | 377.0978 | 13.10706 | 4.906597 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001634 | -.005232 | .0005112 |
| #2 | .001474  | -.006678 | .0005425 |
| #3 | -.001174 | -.006578 | .0004924 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1802.193 | 3682.479 | 38537.99 | 7151.887 | 3999.664 |
| Stddev    | 16.025   | .424     | 273.02   | 63.703   | 4.915    |
| %RSD      | .8892083 | .0115086 | .7084509 | .8907110 | .1228801 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1816.869 | 3682.336 | 38776.68 | 7144.319 | 4004.895 |
| #2 | 1804.617 | 3682.145 | 38596.99 | 7219.036 | 3995.143 |
| #3 | 1785.094 | 3682.956 | 38240.28 | 7092.307 | 3998.952 |

Sample Name: K5638-13      Acquired: 11/06/2019 13:21:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MX2J59      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2857522 | .0029017 | .2937407 | .0865800 | .2429042 | 16.67819 | 1.412002 |
| Stddev | .0032612 | .0018220 | .0029356 | .0024408 | .0019681 | .03096   | .005742  |
| %RSD   | 1.141264 | 62.79085 | .9993974 | 2.819126 | .8102284 | .1856556 | .4066777 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2823877 | .0014207 | .2904573 | .0840004 | .2412008 | 16.64629 | 1.405380 |
| #2 | .2859696 | .0049362 | .2946531 | .0888531 | .2450587 | 16.70812 | 1.415014 |
| #3 | .2888992 | .0023481 | .2961119 | .0868864 | .2424532 | 16.68014 | 1.415612 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0946630 | .0011315 | 9.193962 | .2287945 | .2987876 | .3913853 | 25.38260 |
| Stddev | .0008454 | .0000679 | .045255  | .0000523 | .0005646 | .0045771 | .14928   |
| %RSD   | .8930554 | 5.998305 | .4922268 | .0228350 | .1889529 | 1.169452 | .5881196 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0949542 | .0011277 | 9.148416 | .2288541 | .2988690 | .3874938 | 25.21034 |
| #2 | .0937105 | .0012012 | 9.194548 | .2287566 | .2981867 | .3902341 | 25.47404 |
| #3 | .0953244 | .0010656 | 9.238921 | .2287727 | .2993070 | .3964281 | 25.46342 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3670016 | 3.310149 | .3343087 | .3319253 | .1034761 | .5533632 | .0576239 |
| Stddev | .0029867 | .034331  | .0011537 | .0025995 | .1260650 | .0035459 | .0046958 |
| %RSD   | .8137991 | 1.037139 | .3451096 | .7831481 | 121.8301 | .6407852 | 8.149060 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3636483 | 3.277609 | .3337591 | .3309805 | -.025825 | .5500660 | .0535568 |
| #2 | .3679805 | 3.306810 | .3335326 | .3299304 | .110219  | .5529095 | .0565520 |
| #3 | .3693759 | 3.346027 | .3356345 | .3348651 | .226034  | .5571141 | .0627630 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7393115 | .1158204 | -.001061 | .0027586 | .6213670 | .6875288 | .0055300 |
| Stddev | .0533906 | .0013516 | .001511  | .0003179 | .0050874 | .0006233 | .0002840 |
| %RSD   | 7.221664 | 1.166968 | 142.5027 | 11.52402 | .8187438 | .0906531 | 5.136239 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7380448 | .1143398 | -.002760 | .0027825 | .6178860 | .6874043 | .0055614 |
| #2 | .7933241 | .1169882 | .000133  | .0024295 | .6190095 | .6869772 | .0057971 |
| #3 | .6865655 | .1161331 | -.000555 | .0030640 | .6272055 | .6882049 | .0052316 |



Sample Name: K5638-13      Acquired: 11/06/2019 13:21:32      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MX2J59      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5234074 | -.001628 | .0230412 |
| Stddev | .0016891 | .001820  | .0000179 |
| %RSD   | .3227179 | 111.7828 | .0777277 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5249730 | .000389  | .0230583 |
| #2 | .5236319 | -.003148 | .0230225 |
| #3 | .5216172 | -.002125 | .0230427 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1874.640 | 3851.711 | 40064.52 | 7443.965 | 4064.160 |
| Stddev    | 13.483   | 2.271    | 139.04   | 21.387   | 8.761    |
| %RSD      | .7192118 | .0589523 | .3470284 | .2873113 | .2155613 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1877.143 | 3851.634 | 40103.02 | 7419.646 | 4072.105 |
| #2 | 1886.695 | 3849.480 | 40180.25 | 7452.396 | 4065.611 |
| #3 | 1860.081 | 3854.019 | 39910.29 | 7459.851 | 4054.765 |

Sample Name: K5638-14      Acquired: 11/06/2019 13:25:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MX2J59D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2848072 | .0039071 | .2977818 | .0859033 | .2468542 | 16.79930 | 1.422791 |
| Stddev | .0009645 | .0012541 | .0004417 | .0015726 | .0019312 | .05128   | .003702  |
| %RSD   | .3386352 | 32.09922 | .1483197 | 1.830618 | .7823396 | .3052267 | .2601792 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2838309 | .0051879 | .2980934 | .0845563 | .2470297 | 16.85667 | 1.420288 |
| #2 | .2857594 | .0026815 | .2979757 | .0876314 | .2448412 | 16.78332 | 1.421041 |
| #3 | .2848312 | .0038518 | .2972764 | .0855223 | .2486917 | 16.75793 | 1.427043 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0947077 | .0011434 | 9.237410 | .2287671 | .3027242 | .3887739 | 25.52457 |
| Stddev | .0006374 | .0000576 | .018059  | .0009256 | .0001896 | .0045136 | .04313   |
| %RSD   | .6730495 | 5.039663 | .1955018 | .4045890 | .0626204 | 1.160979 | .1689874 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0939866 | .0011615 | 9.225418 | .2290430 | .3026651 | .3840455 | 25.49913 |
| #2 | .0951959 | .0011898 | 9.228632 | .2277350 | .3025713 | .3930366 | 25.50022 |
| #3 | .0949405 | .0010789 | 9.258181 | .2295234 | .3029363 | .3892395 | 25.57438 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3672011 | 3.329279 | .3392582 | .3329967 | .1772558 | .5584635 | .0552042 |
| Stddev | .0020743 | .008397  | .0003686 | .0016602 | .1150757 | .0043249 | .0012122 |
| %RSD   | .5648860 | .2522277 | .1086364 | .4985657 | 64.92069 | .7744289 | 2.195909 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3652279 | 3.325850 | .3396055 | .3313631 | .1538228 | .5540403 | .0551446 |
| #2 | .3670121 | 3.338848 | .3388715 | .3346823 | .3022445 | .5586674 | .0540228 |
| #3 | .3693634 | 3.323138 | .3392975 | .3329447 | .0757002 | .5626829 | .0564451 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6384222 | .1169807 | -.001366 | .0029748 | .6355094 | .7204152 | .0062849 |
| Stddev | .1237750 | .0014506 | .000793  | .0001421 | .0044504 | .0087491 | .0005359 |
| %RSD   | 19.38765 | 1.240060 | 58.10410 | 4.775588 | .7002899 | 1.214453 | 8.526187 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7583343 | .1153057 | -.002281 | .0029709 | .6318295 | .7103141 | .0058236 |
| #2 | .5111158 | .1178198 | -.000946 | .0031188 | .6342430 | .7256180 | .0068727 |
| #3 | .6458166 | .1178167 | -.000870 | .0028347 | .6404558 | .7253135 | .0061585 |

Sample Name: K5638-14      Acquired: 11/06/2019 13:25:32      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MX2J59D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5282357 | -.001077 | .0232482 |
| Stddev | .0013112 | .001451  | .0000560 |
| %RSD   | .2482222 | 134.7685 | .2407953 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5291772 | -.001505 | .0233082 |
| #2 | .5287917 | .000540  | .0232391 |
| #3 | .5267381 | -.002266 | .0231973 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1884.791 | 3843.320 | 40233.45 | 7483.903 | 4046.395 |
| Stddev    | 2.124    | 10.020   | 63.39    | 41.471   | 8.759    |
| %RSD      | .1127027 | .2607241 | .1575473 | .5541304 | .2164678 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1883.227 | 3840.567 | 40170.72 | 7436.017 | 4042.145 |
| #2 | 1883.937 | 3854.429 | 40297.47 | 7507.885 | 4056.468 |
| #3 | 1887.209 | 3834.963 | 40232.17 | 7507.807 | 4040.572 |

Sample Name: K5638-13LX5      Acquired: 11/06/2019 13:33:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MX2J59L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0602449 | .0007574 | .0628628 | .0209995 | .0526608 | 3.498088 | .2891896 |
| Stddev | .0046024 | .0005326 | .0010175 | .0008666 | .0012625 | .005311  | .0020767 |
| %RSD   | 7.639432 | 70.31703 | 1.618543 | 4.126910 | 2.397367 | .1518388 | .7180943 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0565449 | .0010982 | .0633942 | .0207040 | .0537334 | 3.503034 | .2867975 |
| #2 | .0587913 | .0001437 | .0616896 | .0219752 | .0512695 | 3.492474 | .2905300 |
| #3 | .0653986 | .0010302 | .0635044 | .0203192 | .0529795 | 3.498754 | .2902412 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0196414 | .0002079 | 1.904207 | .0471947 | .0613540 | .0803136 | 5.202441 |
| Stddev | .0000968 | .0000436 | .020493  | .0006331 | .0001308 | .0014661 | .043476  |
| %RSD   | .4929463 | 20.95093 | 1.076217 | 1.341525 | .2131676 | 1.825480 | .8356786 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0195387 | .0001710 | 1.890777 | .0474641 | .0612353 | .0818748 | 5.154474 |
| #2 | .0196546 | .0001968 | 1.927795 | .0464714 | .0614942 | .0789661 | 5.213597 |
| #3 | .0197310 | .0002560 | 1.894049 | .0476485 | .0613326 | .0800997 | 5.239251 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0752717 | .6883725 | .0688671 | .0686333 | -.137456 | .1125859 | .0093616 |
| Stddev | .0006362 | .0256405 | .0001962 | .0006697 | .054227  | .0009965 | .0006846 |
| %RSD   | .8451946 | 3.724796 | .2848863 | .9756974 | 39.45083 | .8850825 | 7.313410 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0753261 | .6754066 | .0690642 | .0685635 | -.096574 | .1137103 | .0091077 |
| #2 | .0746100 | .7179065 | .0688652 | .0680012 | -.116821 | .1122351 | .0088401 |
| #3 | .0758789 | .6718045 | .0686719 | .0693351 | -.198971 | .1118122 | .0101369 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.162200 | .0237617 | -.004760 | .0007395 | .1297656 | .1429548 | -.002017 |
| Stddev | .051581  | .0016711 | .000331  | .0003050 | .0031774 | .0036883 | .000366  |
| %RSD   | 31.80069 | 7.032553 | 6.950301 | 41.24070 | 2.448592 | 2.580013 | 18.14968 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.174612 | .0251417 | -.004379 | .0005958 | .1319104 | .1447151 | -.001746 |
| #2 | -.206441 | .0219038 | -.004920 | .0010898 | .1261153 | .1454330 | -.001872 |
| #3 | -.105545 | .0242396 | -.004980 | .0005329 | .1312712 | .1387162 | -.002433 |

Sample Name: K5638-13LX5      Acquired: 11/06/2019 13:33:29      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MX2J59L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1107083 | -.005664 | .0047751 |
| Stddev | .0011960 | .001629  | .0000475 |
| %RSD   | 1.080280 | 28.76150 | .9941675 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1094859 | -.005390 | .0047442 |
| #2 | .1107630 | -.007414 | .0048298 |
| #3 | .1118760 | -.004190 | .0047514 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1833.032 | 3703.288 | 39245.43 | 7277.366 | 4007.228 |
| Stddev    | 10.253   | 8.393    | 87.22    | 35.732   | 7.493    |
| %RSD      | .5593288 | .2266257 | .2222409 | .4909975 | .1869951 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1838.325 | 3696.854 | 39313.86 | 7315.347 | 4001.387 |
| #2 | 1839.557 | 3712.781 | 39275.20 | 7244.417 | 4004.621 |
| #3 | 1821.215 | 3700.229 | 39147.22 | 7272.333 | 4015.677 |

Sample Name: K5638-15      Acquired: 11/06/2019 13:29:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MX2J59S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3599122 | .1090036 | .3339920 | .1865041 | .4378320 | 20.28361 | 5.482452 |
| Stddev | .0034095 | .0023466 | .0010267 | .0013290 | .0008392 | .01742   | .008592  |
| %RSD   | .9473245 | 2.152801 | .3073984 | .7125582 | .1916626 | .0858758 | .1567162 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3585892 | .1084520 | .3333909 | .1872977 | .4369947 | 20.30252 | 5.480316 |
| #2 | .3637850 | .1115769 | .3334077 | .1849699 | .4378285 | 20.26823 | 5.491910 |
| #3 | .3573625 | .1069819 | .3351775 | .1872448 | .4386730 | 20.28006 | 5.475129 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1929374 | .1054606 | 9.053793 | .6563604 | 1.329962 | .8234049 | 27.16103 |
| Stddev | .0004643 | .0002199 | .035687  | .0028249 | .004095  | .0042370 | .08991   |
| %RSD   | .2406645 | .2084954 | .3941695 | .4303853 | .3079000 | .5145661 | .3310393 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1924869 | .1056818 | 9.026625 | .6589497 | 1.333906 | .8245324 | 27.06701 |
| #2 | .1934144 | .1052421 | 9.094210 | .6533477 | 1.325731 | .8187183 | 27.16991 |
| #3 | .1929110 | .1054578 | 9.040545 | .6567840 | 1.330249 | .8269641 | 27.24618 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.378682 | 3.218150 | 1.381342 | .4166851 | .1800086 | 1.566594 | 1.176423 |
| Stddev | .002988  | .021226  | .004919  | .0006181 | .1768749 | .004415  | .007106  |
| %RSD   | .2167260 | .6595702 | .3560917 | .1483290 | 98.25910 | .2818519 | .6040189 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.377607 | 3.212392 | 1.386652 | .4160184 | .2141819 | 1.567219 | 1.168229 |
| #2 | 1.376381 | 3.200397 | 1.376941 | .4172389 | -.011459 | 1.561899 | 1.180887 |
| #3 | 1.382059 | 3.241661 | 1.380434 | .4167981 | .337303  | 1.570663 | 1.180154 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5929416 | .1192285 | -.000116 | .0027467 | .6344050 | .7646122 | .0058879 |
| Stddev | .0266359 | .0025646 | .000310  | .0005631 | .0033234 | .0058125 | .0010553 |
| %RSD   | 4.492165 | 2.150982 | 266.2476 | 20.49945 | .5238664 | .7601896 | 17.92378 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5725427 | .1187906 | .000011  | .0021239 | .6344454 | .7661075 | .0047691 |
| #2 | .5832065 | .1219838 | .000110  | .0032198 | .6377081 | .7581982 | .0068655 |
| #3 | .6230756 | .1169110 | -.000470 | .0028963 | .6310616 | .7695310 | .0060290 |

Sample Name: K5638-15      Acquired: 11/06/2019 13:29:32      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MX2J59S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5194458 | -.000358 | .0229071 |
| Stddev | .0009550 | .000225  | .0001014 |
| %RSD   | .1838435 | 62.69027 | .4426510 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5198707 | -.000617 | .0227935 |
| #2 | .5201146 | -.000218 | .0229392 |
| #3 | .5183522 | -.000240 | .0229885 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1874.964 | 3824.976 | 40269.13 | 7521.293 | 4056.122 |
| Stddev    | 7.769    | 4.144    | 8.33     | 7.487    | 12.017   |
| %RSD      | .4143809 | .1083493 | .0206748 | .0995474 | .2962694 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1883.761 | 3828.110 | 40274.63 | 7513.031 | 4043.593 |
| #2 | 1869.040 | 3826.541 | 40273.22 | 7527.630 | 4067.552 |
| #3 | 1872.091 | 3820.277 | 40259.56 | 7523.218 | 4057.221 |

Sample Name: CCV045      Acquired: 11/06/2019 13:37:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV045      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.830862 | 4.775164 | 24.37948 | 4.846215 | 4.836371 | 409.2197 | 9.710921 |
| Stddev | .030132  | .017680  | .02837   | .024585  | .005506  | 3.1659   | .070002  |
| %RSD   | .6237494 | .3702485 | .1163682 | .5073038 | .1138501 | .7736344 | .7208552 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.796113 | 4.764135 | 24.37931 | 4.819082 | 4.832059 | 405.5655 | 9.716743 |
| #2 | 4.846706 | 4.795557 | 24.40793 | 4.852550 | 4.834480 | 410.9555 | 9.777830 |
| #3 | 4.849767 | 4.765802 | 24.35119 | 4.867013 | 4.842573 | 411.1379 | 9.638190 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4761283 | 2.442792 | 397.0992 | 15.00421 | 2.463024 | 14.81003 | 396.6326 |
| Stddev | .0067646 | .002222  | .2534    | .01378   | .003188  | .03001   | 2.8749   |
| %RSD   | 1.420761 | .0909561 | .0638012 | .0918203 | .1294330 | .2026602 | .7248359 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4706360 | 2.442537 | 396.9022 | 14.99142 | 2.462332 | 14.77824 | 397.1219 |
| #2 | .4836845 | 2.445131 | 397.3850 | 15.01880 | 2.466501 | 14.81396 | 399.2316 |
| #3 | .4740645 | 2.440710 | 397.0103 | 15.00241 | 2.460239 | 14.83788 | 393.5445 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.26627 | 388.2332 | 2.462737 | 1.225718 | 394.0419 | 2.385907 | 14.72154 |
| Stddev | .04565   | 2.5766   | .005134  | .011865  | 2.3921   | .013976  | .23589   |
| %RSD   | .3199987 | .6636733 | .2084843 | .9680088 | .6070676 | .5857881 | 1.602374 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.26949 | 388.5602 | 2.460281 | 1.214977 | 394.0641 | 2.395473 | 14.64432 |
| #2 | 14.31022 | 390.6306 | 2.468639 | 1.238454 | 396.4229 | 2.392381 | 14.53393 |
| #3 | 14.21909 | 385.5086 | 2.459293 | 1.223722 | 391.6388 | 2.369868 | 14.98636 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 151.4583 | 4.919631 | 4.746746 | 4.860520 | 5.001482 | 4.710474 | 4.910441 |
| Stddev | .0934    | .017689  | .058995  | .003240  | .012456  | .077470  | .013192  |
| %RSD   | .0616850 | .3595616 | 1.242856 | .0666555 | .2490504 | 1.644626 | .2686474 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 151.3547 | 4.903627 | 4.702027 | 4.856851 | 4.993427 | 4.649319 | 4.908112 |
| #2 | 151.5361 | 4.938624 | 4.813610 | 4.861720 | 5.015829 | 4.797590 | 4.924642 |
| #3 | 151.4842 | 4.916642 | 4.724602 | 4.862988 | 4.995189 | 4.684512 | 4.898569 |



Sample Name: CCV045      Acquired: 11/06/2019 13:37:37      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCV045      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.984175 | 5.017398 | 5.046217 |
| Stddev | .045730  | .025005  | .017513  |
| %RSD   | .9174992 | .4983723 | .3470572 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.956721 | 5.000339 | 5.026099 |
| #2 | 4.958838 | 5.005755 | 5.054492 |
| #3 | 5.036965 | 5.046102 | 5.058059 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1540.742 | 3198.570 | 35440.98 | 6927.026 | 3211.037 |
| Stddev    | .618     | 2.472    | 71.21    | 7.238    | 6.645    |
| %RSD      | .0401220 | .0772993 | .2009260 | .1044863 | .2069274 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1540.174 | 3198.514 | 35457.01 | 6933.102 | 3206.298 |
| #2 | 1540.651 | 3201.071 | 35502.80 | 6919.019 | 3208.180 |
| #3 | 1541.400 | 3196.127 | 35363.12 | 6928.958 | 3218.632 |

Sample Name: CCB045      Acquired: 11/06/2019 13:41:40      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB045      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000041 | .0013754 | .0026467 | -.001725 | -.000239 | .0160489 | -.000022 |
| Stddev | .001392  | .0018242 | .0012308 | .000848  | .001087  | .0196166 | .000335  |
| %RSD   | 3425.925 | 132.6299 | 46.50448 | 49.17461 | 454.1545 | 122.2306 | 1495.801 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000777 | -.000731 | .0036243 | -.000771 | .000949  | .0385981 | -.000305 |
| #2 | -.000910 | .002449  | .0012645 | -.002395 | -.000483 | .0029140 | .000347  |
| #3 | .001565  | .002408  | .0030511 | -.002007 | -.001184 | .0066345 | -.000109 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000076 | -.000060 | .0108325 | .0000863 | -.000094 | .0022457 | .0192497 |
| Stddev | .000109  | .000028  | .0040073 | .0006902 | .000145  | .0023096 | .0023642 |
| %RSD   | 144.4421 | 47.49508 | 36.99359 | 799.6184 | 154.8017 | 102.8455 | 12.28196 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000038 | -.000041 | .0063309 | .0000252 | -.000252 | .0037253 | .0199155 |
| #2 | .000010  | -.000092 | .0121557 | .0008050 | -.000064 | .0034273 | .0166239 |
| #3 | -.000199 | -.000046 | .0140108 | -.000571 | .000034  | -.000416 | .0212096 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005044 | .0107945 | -.000052 | .0006222 | .2124740 | .0016848 | -.001998 |
| Stddev | .0001307 | .0480856 | .000160  | .0003759 | .1415830 | .0014108 | .003716  |
| %RSD   | 25.90335 | 445.4622 | 306.4858 | 60.41712 | 66.63547 | 83.73479 | 185.9961 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0005105 | -.028035 | -.000136 | .0005318 | .0645282 | .0027805 | .002167  |
| #2 | .0006319 | -.004162 | -.000154 | .0010350 | .2261991 | .0000930 | -.004975 |
| #3 | .0003708 | .064581  | .000133  | .0002997 | .3466947 | .0021809 | -.003185 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.203972 | -.000099 | .0042960 | .0004532 | -.003386 | -.004222 | -.002757 |
| Stddev | .064679  | .001702  | .0008225 | .0000936 | .003741  | .000717  | .000552  |
| %RSD   | 31.70989 | 1716.831 | 19.14593 | 20.65492 | 110.4567 | 16.97278 | 20.01301 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.184705 | .001523  | .0033583 | .0005471 | .000278  | -.003433 | -.002155 |
| #2 | -.151116 | .000052  | .0048954 | .0004526 | -.007198 | -.004833 | -.002876 |
| #3 | -.276096 | -.001872 | .0046343 | .0003599 | -.003239 | -.004399 | -.003239 |

Sample Name: CCB045      Acquired: 11/06/2019 13:41:40      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB045      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0004040 | -.000326 | .0000525 |
| Stddev | .0005725 | .000527  | .0000564 |
| %RSD   | 141.6832 | 162.0304 | 107.3493 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0000353 | -.000721 | .0001107 |
| #2 | .0010635 | -.000529 | .0000489 |
| #3 | .0001133 | .000273  | -.000002 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1810.723 | 3693.133 | 38553.45 | 7124.144 | 3997.946 |
| Stddev    | 2.852    | .733     | 55.75    | 43.142   | 3.740    |
| %RSD      | .1575155 | .0198550 | .1446174 | .6055768 | .0935502 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1812.554 | 3693.979 | 38543.61 | 7164.285 | 4001.950 |
| #2 | 1807.437 | 3692.737 | 38503.28 | 7078.524 | 3997.343 |
| #3 | 1812.178 | 3692.684 | 38613.47 | 7129.623 | 3994.543 |

Sample Name: PB124550BL      Acquired: 11/06/2019 13:45:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS550      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005096 | -.000952 | .0003136 | .0010200 | -.000162 | .0034412 | -.000695 |
| Stddev | .0025899 | .000182  | .0014085 | .0016485 | .001560  | .0037990 | .000463  |
| %RSD   | 508.2242 | 19.08628 | 449.1802 | 161.6206 | 964.8021 | 110.3971 | 66.64559 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0034103 | -.001115 | .0019392 | .0024723 | .000690  | -.000895 | -.000632 |
| #2 | -.001571 | -.000985 | -.000543 | .0013594 | -.001962 | .005036  | -.000267 |
| #3 | -.000311 | -.000756 | -.000455 | -.000772 | .000787  | .006183  | -.001186 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000169 | -.000010 | -.002861 | -.000473 | .0000523 | .0015084 | .0077000 |
| Stddev | .0000212 | .000065  | .004539  | .000158  | .0000695 | .0017309 | .0065379 |
| %RSD   | 125.0307 | 655.8741 | 158.6690 | 33.35302 | 132.7297 | 114.7562 | 84.90711 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000360 | .000008  | -.000437 | -.000299 | .0000788 | .0031148 | .0002104 |
| #2 | -.000006 | -.000082 | -.008098 | -.000512 | .0001048 | .0017349 | .0122650 |
| #3 | .000021  | .000044  | -.000048 | -.000607 | -.000026 | -.000325 | .0106247 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000107 | .0059415 | .0000650 | .0003714 | -.142719 | .0037621 | -.003538 |
| Stddev | .000459  | .0082725 | .0003042 | .0001684 | .302995  | .0007862 | .001082  |
| %RSD   | 429.1842 | 139.2317 | 467.8757 | 45.34243 | 212.3022 | 20.89764 | 30.57570 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000420  | .0154188 | .0001568 | .0004021 | -.269896 | .0039341 | -.002292 |
| #2 | -.000319 | .0022373 | .0003127 | .0005223 | -.361398 | .0044481 | -.004088 |
| #3 | -.000422 | .0001685 | -.000275 | .0001898 | .203138  | .0029042 | -.004235 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.310266 | -.003102 | -.001586 | -.000005 | -.003529 | -.004500 | -.003159 |
| Stddev | .084122  | .001473  | .000216  | .000237  | .003078  | .000349  | .000494  |
| %RSD   | 27.11283 | 47.49444 | 13.61528 | 4494.900 | 87.23623 | 7.758549 | 15.65053 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.357133 | -.001725 | -.001339 | .000268  | -.006640 | -.004156 | -.002988 |
| #2 | -.213150 | -.002925 | -.001737 | -.000150 | -.000484 | -.004490 | -.002772 |
| #3 | -.360514 | -.004656 | -.001682 | -.000134 | -.003463 | -.004854 | -.003716 |

Sample Name: PB124550BL      Acquired: 11/06/2019 13:45:47      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: PBS550      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000582 | -.004174 | -.000129 |
| Stddev | .001888  | .000598  | .000076  |
| %RSD   | 324.5939 | 14.32589 | 58.92448 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .001094  | -.004150 | -.000045 |
| #2 | -.000212 | -.004784 | -.000150 |
| #3 | -.002627 | -.003588 | -.000193 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1812.983 | 3690.859 | 38758.69 | 7209.539 | 4006.529 |
| Stddev    | 12.504   | 5.837    | 132.53   | 7.388    | 4.614    |
| %RSD      | .6897141 | .1581540 | .3419481 | .1024805 | .1151531 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1809.302 | 3697.555 | 38711.48 | 7204.628 | 4011.668 |
| #2 | 1802.733 | 3686.840 | 38656.23 | 7218.036 | 4005.178 |
| #3 | 1826.915 | 3688.183 | 38908.37 | 7205.953 | 4002.742 |

Sample Name: PB124550BS      Acquired: 11/06/2019 13:49:54      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: LCS550      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0201311 | .0507144 | .0213075 | .0779127 | .1240701 | .3994168 |
| Stddev | .0027133 | .0014686 | .0007527 | .0011977 | .0015552 | .0109570 |
| %RSD   | 13.47819 | 2.895876 | 3.532671 | 1.537196 | 1.253465 | 2.743260 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0229786 | .0520057 | .0210354 | .0787601 | .1225691 | .3898483 |
| #2 | .0175756 | .0510208 | .0207286 | .0784355 | .1256743 | .3970325 |
| #3 | .0198390 | .0491168 | .0221584 | .0765425 | .1239669 | .4113697 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3938636 | .0101857 | .0101330 | 10.12987 | .0216913 | .0979819 |
| Stddev | .0023934 | .0001450 | .0000826 | .03019   | .0000248 | .0003104 |
| %RSD   | .6076664 | 1.423749 | .8153865 | .2979826 | .1145037 | .3168081 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3965711 | .0100308 | .0102064 | 10.14548 | .0216857 | .0983083 |
| #2 | .3920299 | .0102081 | .0100435 | 10.09508 | .0216698 | .0976905 |
| #3 | .3929898 | .0103183 | .0101490 | 10.14906 | .0217185 | .0979470 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0447243 | .2105855 | .0316929 | 9.731470 | .0830467 | .0199375 |
| Stddev | .0053966 | .0071139 | .0004325 | .016055  | .0001953 | .0005251 |
| %RSD   | 12.06645 | 3.378156 | 1.364659 | .1649781 | .2352211 | 2.633622 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0461600 | .2179792 | .0315985 | 9.741507 | .0829288 | .0197530 |
| #2 | .0387550 | .2037890 | .0313155 | 9.712953 | .0832722 | .0195296 |
| #3 | .0492578 | .2099884 | .0321649 | 9.739949 | .0829391 | .0205299 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 9.497878 | .1021774 | .1347442 | 9.639570 | .0204808 | F .0168384 |
| Stddev | .142544  | .0028449 | .0025797 | .166378  | .0008504 | .0010596   |
| %RSD   | 1.500795 | 2.784306 | 1.914527 | 1.725990 | 4.151995 | 6.292516   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.589326 | .1051080 | .1317655 | 9.709687 | .0200804 | .0157199 |
| #2 | 9.333635 | .0994266 | .1362169 | 9.759413 | .0214575 | .0169685 |
| #3 | 9.570672 | .1019976 | .1362504 | 9.449611 | .0199047 | .0178270 |

Sample Name: PB124550BS      Acquired: 11/06/2019 13:49:54      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: LCS550      Custom ID2:      Custom ID3:  
 Comment:

| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707     |
|--------|----------|----------|----------|------------|----------|------------|
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm        |
| Avg    | .0208123 | .1840524 | .1824120 | F .0094205 | .2030233 | F .0933746 |
| Stddev | .0002743 | .0025508 | .0028693 | .0007035   | .0028130 | .0012183   |
| %RSD   | 1.318014 | 1.385894 | 1.572964 | 7.468000   | 1.385563 | 1.304709   |
| #1     | .0207041 | .1865499 | .1823618 | .0093348   | .1998705 | .0921838   |
| #2     | .0206086 | .1841558 | .1795682 | .0101630   | .2039233 | .0933213   |
| #3     | .0211242 | .1814515 | .1853061 | .0087638   | .2052763 | .0946186   |

| Elem   | Sr4077   |
|--------|----------|
| Units  | ppm      |
| Avg    | .2075565 |
| Stddev | .0008498 |
| %RSD   | .4094094 |
| #1     | .2065953 |
| #2     | .2082077 |
| #3     | .2078666 |

| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
|-----------|----------|----------|----------|----------|----------|
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1810.286 | 3662.707 | 38715.46 | 7219.210 | 3997.638 |
| Stddev    | 11.047   | 1.859    | 92.44    | 50.988   | 1.210    |
| %RSD      | .6102455 | .0507682 | .2387778 | .7062829 | .0302776 |
| #1        | 1821.655 | 3661.725 | 38811.75 | 7275.356 | 3998.304 |
| #2        | 1809.612 | 3661.544 | 38707.22 | 7206.483 | 3998.368 |
| #3        | 1799.591 | 3664.851 | 38627.41 | 7175.790 | 3996.240 |

Sample Name: K5677-01      Acquired: 11/06/2019 13:53:59      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MJLM53      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0556329 | .0074056 | 2.558302 | -.001281 | .0315387 | 117.9760 |
| Stddev | .0039551 | .0013048 | .006899  | .002346  | .0015598 | .4668    |
| %RSD   | 7.109230 | 17.61876 | .2696707 | 183.1638 | 4.945642 | .3956745 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0529381 | .0064356 | 2.562166 | .001372  | .0330760 | 117.4401 |
| #2 | .0537870 | .0088890 | 2.550337 | -.003083 | .0315828 | 118.2936 |
| #3 | .0601734 | .0068923 | 2.562403 | -.002132 | .0299574 | 118.1944 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.805520 | .0046953 | .0081967 | 84.45895 | .2091607 | .0993256 |
| Stddev | .001541  | .0000384 | .0001217 | .04486   | .0004541 | .0001676 |
| %RSD   | .0853696 | .8171427 | 1.485281 | .0531087 | .2171024 | .1686906 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.807176 | .0046634 | .0083350 | 84.50117 | .2096767 | .0994376 |
| #2 | 1.805257 | .0046848 | .0081058 | 84.46381 | .2089834 | .0994063 |
| #3 | 1.804126 | .0047379 | .0081492 | 84.41186 | .2088220 | .0991330 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.190401 | 236.7211 | 4.393838 | 66.52809 | .2302068 | .0075291 |
| Stddev | .018739  | .8003    | .012765  | .17572   | .0008341 | .0002013 |
| %RSD   | .2287980 | .3380590 | .2905256 | .2641363 | .3623342 | 2.673881 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 8.170553 | 236.7470 | 4.396295 | 66.71400 | .2299595 | .0076468 |
| #2 | 8.207789 | 237.5080 | 4.405196 | 66.50554 | .2295243 | .0072966 |
| #3 | 8.192861 | 235.9082 | 4.380023 | 66.36473 | .2311366 | .0076438 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 2.199877 | .4090624 | 3.137390 | 8.605915 | F 11.83082 | .1067759 |
| Stddev | .158252  | .0007813 | .007332  | .093631  | .04460     | .0032374 |
| %RSD   | 7.193653 | .1910027 | .2336937 | 1.087980 | .3770212   | 3.031935 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.222475 | .4098891 | 3.128933 | 8.507176 | 11.79243 | .1104154 |
| #2 | 2.031542 | .4089620 | 3.141275 | 8.693424 | 11.82028 | .1056955 |
| #3 | 2.345616 | .4083362 | 3.141962 | 8.617144 | 11.87975 | .1042170 |



Sample Name: K5677-01      Acquired: 11/06/2019 13:53:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM53      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0042032 | 4.522703 | 2.494600 | .0853218 | 4.318846 | .1182832 |
| Stddev | .0001189 | .017675  | .024536  | .0005017 | .023167  | .0014018 |
| %RSD   | 2.829611 | .3907984 | .9835780 | .5879819 | .5364118 | 1.185098 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0042222 | 4.538664 | 2.477652 | .0856968 | 4.292187 | .1195046 |
| #2 | .0040759 | 4.503708 | 2.522736 | .0847519 | 4.330253 | .1167527 |
| #3 | .0043115 | 4.525736 | 2.483411 | .0855167 | 4.334097 | .1185924 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .7552456 |
| Stddev | .0015915 |
| %RSD   | .2107243 |

|    |          |
|----|----------|
| #1 | .7534080 |
| #2 | .7561806 |
| #3 | .7561481 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1921.731 | 3904.648 | 41446.70 | 7840.370 | 3863.919 |
| Stddev    | 2.792    | 11.588   | 67.39    | 52.310   | 11.150   |
| %RSD      | .1452907 | .2967856 | .1625949 | .6671889 | .2885695 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1920.447 | 3916.725 | 41408.31 | 7899.786 | 3875.629 |
| #2 | 1919.812 | 3903.601 | 41524.51 | 7820.076 | 3862.697 |
| #3 | 1924.934 | 3893.619 | 41407.28 | 7801.248 | 3853.430 |

Sample Name: K5677-02      Acquired: 11/06/2019 13:57:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM57      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0654596 | .0092817 | .6267038 | -.003817 | .0066853 | 126.9446 | .7360007 |
| Stddev | .0000525 | .0017096 | .0016583 | .002999  | .0005777 | .4360    | .0016851 |
| %RSD   | .0801924 | 18.41920 | .2646097 | 78.55805 | 8.641340 | .3434375 | .2289502 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0654323 | .0109334 | .6253003 | -.001133 | .0072940 | 126.5921 | .7374970 |
| #2 | .0654264 | .0093921 | .6285337 | -.003266 | .0061446 | 127.4321 | .7341754 |
| #3 | .0655201 | .0075195 | .6262773 | -.007054 | .0066171 | 126.8096 | .7363297 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0050288 | .0024374 | 84.66092 | .2102839 | .1116477 | .5646925 | 273.6673 |
| Stddev | .0000919 | .0000703 | .19722   | .0009913 | .0000920 | .0040587 | 1.0439   |
| %RSD   | 1.826681 | 2.883441 | .2329538 | .4713923 | .0824296 | .7187418 | .3814519 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0050016 | .0024132 | 84.72637 | .2091396 | .1117508 | .5603414 | 274.3422 |
| #2 | .0051312 | .0025165 | 84.43929 | .2108789 | .1116187 | .5683761 | 272.4649 |
| #3 | .0049536 | .0023824 | 84.81709 | .2108331 | .1115737 | .5653598 | 274.1948 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.399093 | 78.66969 | .2613861 | .0006647 | 1.485089 | .4398524 | 1.205383 |
| Stddev | .007508  | .40427   | .0007792 | .0003643 | .179701  | .0064919 | .007549  |
| %RSD   | .1390536 | .5138799 | .2981116 | 54.80348 | 12.10036 | 1.475929 | .6262682 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.402473 | 78.90039 | .2620352 | .0005467 | 1.406183 | .4426764 | 1.213981 |
| #2 | 5.390489 | 78.20289 | .2605219 | .0003741 | 1.690743 | .4324268 | 1.202326 |
| #3 | 5.404316 | 78.90579 | .2616012 | .0010735 | 1.358341 | .4444541 | 1.199843 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.816293 | 8.932202 | .0822528 | .0034887 | 3.078907 | 2.307286 | .0097299 |
| Stddev | .088485  | .021467  | .0023893 | .0001416 | .008422  | .013852  | .0016295 |
| %RSD   | 1.837201 | .2403272 | 2.904865 | 4.058514 | .2735471 | .6003704 | 16.74706 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.725103 | 8.929278 | .0846244 | .0033940 | 3.074554 | 2.308751 | .0079873 |
| #2 | 4.901799 | 8.912348 | .0822878 | .0036515 | 3.088615 | 2.292759 | .0099868 |
| #3 | 4.821978 | 8.954981 | .0798461 | .0034205 | 3.073552 | 2.320347 | .0112158 |

Sample Name: K5677-02      Acquired: 11/06/2019 13:57:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM57      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.678743 | .1326477 | .5055342 |
| Stddev | .021533  | .0008197 | .0001632 |
| %RSD   | .3791845 | .6179146 | .0322718 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.658144 | .1323344 | .5053529 |
| #2 | 5.701102 | .1320310 | .5056693 |
| #3 | 5.676984 | .1335778 | .5055804 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1920.028 | 3922.220 | 41005.54 | 7793.965 | 3829.700 |
| Stddev    | 22.042   | 2.615    | 242.16   | 17.407   | 3.882    |
| %RSD      | 1.147995 | .0666713 | .5905568 | .2233408 | .1013761 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1896.831 | 3925.027 | 40774.84 | 7805.659 | 3831.547 |
| #2 | 1922.559 | 3921.778 | 40984.05 | 7802.275 | 3825.240 |
| #3 | 1940.696 | 3919.854 | 41257.73 | 7773.960 | 3832.315 |

Sample Name: K5677-03      Acquired: 11/06/2019 14:01:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM61      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0679990 | .0085230 | 1.744055 | -.004998 | .0215706 | 115.7228 | 2.001412 |
| Stddev | .0024456 | .0037090 | .002583  | .002325  | .0024001 | .0399    | .004394  |
| %RSD   | 3.596554 | 43.51792 | .1480911 | 46.51784 | 11.12653 | .0344714 | .2195266 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0666573 | .0078740 | 1.741121 | -.006448 | .0222380 | 115.7657 | 2.001141 |
| #2 | .0665180 | .0051813 | 1.745060 | -.002316 | .0189074 | 115.7160 | 2.005936 |
| #3 | .0708218 | .0125137 | 1.745984 | -.006229 | .0235663 | 115.6868 | 1.997161 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0052340 | .0324271 | 89.05451 | .3088450 | .1122400 | .8178833 | 261.3415 |
| Stddev | .0000904 | .0001940 | .14414   | .0005560 | .0003708 | .0051086 | .2712    |
| %RSD   | 1.726228 | .5981431 | .1618522 | .1800246 | .3303459 | .6246144 | .1037798 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0051411 | .0324195 | 88.89330 | .3087476 | .1118752 | .8197542 | 261.0558 |
| #2 | .0052396 | .0326247 | 89.17094 | .3094432 | .1122281 | .8217926 | 261.5955 |
| #3 | .0053215 | .0322370 | 89.09930 | .3083441 | .1126165 | .8121029 | 261.3732 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.874770 | 71.06437 | .2615726 | .0026583 | 2.683558 | .4389351 | 2.728062 |
| Stddev | .003721  | .17706   | .0003775 | .0002987 | .303514  | .0016555 | .027317  |
| %RSD   | .0763388 | .2491609 | .1443053 | 11.23628 | 11.31012 | .3771550 | 1.001319 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.870722 | 70.87884 | .2617455 | .0023164 | 2.638912 | .4371599 | 2.731694 |
| #2 | 4.875546 | 71.08273 | .2618325 | .0028687 | 2.404841 | .4404368 | 2.699111 |
| #3 | 4.878043 | 71.23154 | .2611396 | .0027898 | 3.006922 | .4392085 | 2.753381 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.237363 | 9.751032 | .1213329 | .0058935 | 5.478099 | 1.710630 | .0201693 |
| Stddev | .100942  | .022114  | .0008460 | .0002619 | .016838  | .002361  | .0010189 |
| %RSD   | 1.618352 | .2267832 | .6972368 | 4.444344 | .3073708 | .1380262 | 5.051644 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.338371 | 9.774495 | .1222167 | .0056231 | 5.486663 | 1.711464 | .0206713 |
| #2 | 6.237230 | 9.748026 | .1212512 | .0061460 | 5.488934 | 1.707965 | .0189968 |
| #3 | 6.136487 | 9.730575 | .1205307 | .0059115 | 5.458700 | 1.712461 | .0208398 |

Sample Name: K5677-03      Acquired: 11/06/2019 14:01:48      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MJLM61      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.828131 | .1220955 | .8363865 |
| Stddev | .004030  | .0007216 | .0009115 |
| %RSD   | .0834636 | .5909889 | .1089791 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.831167 | .1213534 | .8361203 |
| #2 | 4.829666 | .1227946 | .8356378 |
| #3 | 4.823559 | .1221386 | .8374015 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1917.344 | 3946.605 | 41384.18 | 7937.325 | 3849.976 |
| Stddev    | 8.679    | 6.913    | 39.35    | 30.192   | .881     |
| %RSD      | .4526319 | .1751682 | .0950801 | .3803823 | .0228748 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1912.334 | 3946.466 | 41350.53 | 7938.697 | 3850.979 |
| #2 | 1927.366 | 3953.586 | 41427.45 | 7906.470 | 3849.329 |
| #3 | 1912.334 | 3939.762 | 41374.57 | 7966.807 | 3849.619 |

Sample Name: K5677-05      Acquired: 11/06/2019 14:09:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM69      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203     | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .0595762 | .0053513 | F 269.3661 | -.004125 | .0121487 | 103.3498 |
| Stddev | .0040760 | .0030090 | .6858      | .002291  | .0025579 | .3758    |
| %RSD   | 6.841641 | 56.22861 | .2546134   | 55.54359 | 21.05510 | .3636305 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0548978 | .0058033 | 270.1577 | -.001549 | .0149387 | 103.0769 |
| #2 | .0614701 | .0021419 | 268.9925 | -.005936 | .0099141 | 103.7784 |
| #3 | .0623607 | .0081087 | 268.9483 | -.004891 | .0115932 | 103.1941 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.103577 | .0055651 | .0363590 | 142.1432 | .2568106 | .1394410 |
| Stddev | .009541  | .0000273 | .0000952 | .5691    | .0019416 | .0008501 |
| %RSD   | .4535626 | .4896973 | .2619678 | .4003529 | .7560558 | .6096376 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.114256 | .0055956 | .0364317 | 142.7220 | .2559336 | .1403935 |
| #2 | 2.095894 | .0055568 | .0363940 | 141.5844 | .2590360 | .1387595 |
| #3 | 2.100580 | .0055431 | .0362512 | 142.1233 | .2554622 | .1391699 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.338083 | 315.4186 | 5.962729 | 55.91735 | .2908758 | .0043574 |
| Stddev | .002075  | 1.2347   | .017546  | .19925   | .0016839 | .0000650 |
| %RSD   | .1551031 | .3914465 | .2942635 | .3563208 | .5789108 | 1.490821 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.339430 | 316.6814 | 5.976776 | 56.04392 | .2926085 | .0043686 |
| #2 | 1.339126 | 314.2141 | 5.943061 | 55.68768 | .2907736 | .0042875 |
| #3 | 1.335693 | 315.3601 | 5.968350 | 56.02045 | .2892454 | .0044160 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 2.158850 | .3535759 | 5.743145 | 8.783468 | F 28.05707 | .1603266 |
| Stddev | .269536  | .0030455 | .022617  | .051924  | .08653     | .0016808 |
| %RSD   | 12.48518 | .8613461 | .3938170 | .5911597 | .3083942   | 1.048372 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.958019 | .3519692 | 5.718872 | 8.758414 | 28.12674 | .1583901 |
| #2 | 2.053354 | .3570883 | 5.746936 | 8.748821 | 28.08426 | .1611837 |
| #3 | 2.465178 | .3516701 | 5.763628 | 8.843169 | 27.96022 | .1614061 |

Sample Name: K5677-05      Acquired: 11/06/2019 14:09:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM69      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0141355 | 12.51504 | 2.344499 | .0643483 | 2.737642 | .1066689 |
| Stddev | .0004571 | .05030   | .025919  | .0014264 | .013498  | .0009990 |
| %RSD   | 3.233501 | .4019224 | 1.105519 | 2.216758 | .4930441 | .9365234 |
|        |          |          |          |          |          |          |
| #1     | .0146305 | 12.57281 | 2.373706 | .0658707 | 2.725687 | .1074916 |
| #2     | .0140465 | 12.49144 | 2.324236 | .0630426 | 2.752280 | .1055573 |
| #3     | .0137294 | 12.48089 | 2.335556 | .0641317 | 2.734960 | .1069577 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.104543 |
| Stddev | .002139  |
| %RSD   | .1936924 |
|        |          |
| #1     | 1.105887 |
| #2     | 1.105666 |
| #3     | 1.102076 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1852.342 | 3775.535 | 41629.89 | 7791.595 | 3783.404 |
| Stddev    | 7.039    | 3.822    | 85.00    | 49.980   | 8.125    |
| %RSD      | .3800241 | .1012303 | .2041849 | .6414545 | .2147571 |
|           |          |          |          |          |          |
| #1        | 1851.380 | 3771.954 | 41673.00 | 7735.138 | 3774.585 |
| #2        | 1859.813 | 3775.091 | 41684.69 | 7809.464 | 3785.041 |
| #3        | 1845.833 | 3779.559 | 41531.97 | 7830.185 | 3790.586 |

Sample Name: K5677-04      Acquired: 11/06/2019 14:05:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM65      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1238694 | .0040794 | .7905032 | .0010925 | .0089182 | 104.8616 |
| Stddev | .0023616 | .0024355 | .0006589 | .0034087 | .0020844 | .0527    |
| %RSD   | 1.906509 | 59.70308 | .0833490 | 312.0021 | 23.37195 | .0502498 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1211795 | .0067221 | .7898626 | .0046032 | .0102093 | 104.8111 |
| #2 | .1248265 | .0035908 | .7911789 | -.002204 | .0100318 | 104.9162 |
| #3 | .1256021 | .0019252 | .7904680 | .000878  | .0065136 | 104.8575 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.450269 | .0035102 | .0066360 | 197.2255 | .3116481 | .0926799 |
| Stddev | .002699  | .0000533 | .0001124 | .5544    | .0007068 | .0003271 |
| %RSD   | .1861093 | 1.518605 | 1.694058 | .2810917 | .2267970 | .3529139 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.453060 | .0035257 | .0067622 | 197.6003 | .3109068 | .0925283 |
| #2 | 1.450074 | .0035541 | .0065465 | 197.4876 | .3123144 | .0924561 |
| #3 | 1.447672 | .0034509 | .0065993 | 196.5887 | .3117230 | .0930552 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6402152 | 199.1123 | 6.794902 | 71.18867 | .2137965 | .0017640 |
| Stddev | .0067375 | .8244    | .026861  | .18462   | .0003819 | .0003410 |
| %RSD   | 1.052375 | .4140370 | .3953171 | .2593338 | .1786278 | 19.32823 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .6438083 | 200.0634 | 6.824428 | 71.40108 | .2139190 | .0019124 |
| #2 | .6324428 | 198.6026 | 6.788368 | 71.09810 | .2133684 | .0013740 |
| #3 | .6443945 | 198.6708 | 6.771911 | 71.06683 | .2141021 | .0020056 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 3.490275 | .3361608 | 3.993076 | 15.28952 | F 20.66067 | .3328635 |
| Stddev | .192552  | .0013906 | .004176  | .03846   | .04319     | .0006637 |
| %RSD   | 5.516805 | .4136829 | .1045803 | .2515456 | .2090296   | .1993844 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.398105 | .3367529 | 3.997888 | 15.31609 | 20.70495 | .3320977 |
| #2 | 3.711587 | .3345721 | 3.990398 | 15.30705 | 20.61867 | .3332698 |
| #3 | 3.361132 | .3371574 | 3.990943 | 15.24542 | 20.65839 | .3332232 |



Sample Name: K5677-04      Acquired: 11/06/2019 14:05:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM65      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0046355 | 11.21405 | 3.061387 | .0184899 | 3.768584 | .1029010 |
| Stddev | .0002272 | .01688   | .023986  | .0011618 | .002732  | .0018880 |
| %RSD   | 4.900640 | .1505546 | .7834980 | 6.283288 | .0725069 | 1.834801 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0044052 | 11.20652 | 3.056836 | .0184354 | 3.765732 | .1011366 |
| #2 | .0046419 | 11.20224 | 3.040002 | .0173564 | 3.771179 | .1026743 |
| #3 | .0048594 | 11.23339 | 3.087322 | .0196780 | 3.768841 | .1048922 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.148834 |
| Stddev | .001281  |
| %RSD   | .1114787 |

|    |          |
|----|----------|
| #1 | 1.148442 |
| #2 | 1.150265 |
| #3 | 1.147795 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1851.847 | 3776.895 | 40291.76 | 7764.915 | 3773.071 |
| Stddev    | 11.409   | .879     | 159.21   | 11.544   | 7.416    |
| %RSD      | .6160628 | .0232786 | .3951533 | .1486726 | .1965571 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1841.781 | 3777.909 | 40111.35 | 7770.238 | 3767.238 |
| #2 | 1864.239 | 3776.334 | 40412.58 | 7772.838 | 3781.417 |
| #3 | 1849.522 | 3776.443 | 40351.35 | 7751.670 | 3770.558 |

Sample Name: K5677-06      Acquired: 11/06/2019 14:13:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM73      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0606947 | .0053847 | .4002050 | .0014863 | .0092776 | 76.50498 |
| Stddev | .0014655 | .0015401 | .0107697 | .0048856 | .0016301 | .31086   |
| %RSD   | 2.414465 | 28.60231 | 2.691048 | 328.7089 | 17.57018 | .4063205 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0598255 | .0062933 | .4106351 | -.003864 | .0094123 | 76.18121 |
| #2 | .0598719 | .0036065 | .4008546 | .005710  | .0108361 | 76.80106 |
| #3 | .0623866 | .0062544 | .3891251 | .002613  | .0075843 | 76.53267 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8364005 | .0031562 | .0173577 | 148.7634 | .1369129 | .0855325 |
| Stddev | .0031266 | .0000600 | .0001185 | .2273    | .0006614 | .0002172 |
| %RSD   | .3738183 | 1.901383 | .6824864 | .1528032 | .4830977 | .2538978 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .8378956 | .0031476 | .0173166 | 148.6598 | .1368229 | .0857001 |
| #2 | .8328070 | .0032200 | .0174912 | 148.6064 | .1363011 | .0852872 |
| #3 | .8384989 | .0031009 | .0172652 | 149.0241 | .1376148 | .0856104 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2793418 | 167.5593 | 5.190305 | 63.99702 | .1829026 | .0012870 |
| Stddev | .0043923 | .8224    | .012842  | .23401   | .0005951 | .0002609 |
| %RSD   | 1.572362 | .4907915 | .2474240 | .3656631 | .3253685 | 20.27567 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2820655 | 168.2832 | 5.204956 | 64.18908 | .1825754 | .0010780 |
| #2 | .2816852 | 166.6652 | 5.181001 | 63.73638 | .1835895 | .0015794 |
| #3 | .2742749 | 167.7297 | 5.184957 | 64.06561 | .1825428 | .0012034 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 6.262164 | .2407634 | 1.726941 | 9.003089 | F 11.70186 | .4283921 |
| Stddev | .051795  | .0019913 | .024920  | .081314  | .03535     | .0035497 |
| %RSD   | .8271073 | .8270860 | 1.443014 | .9031772 | .3020897   | .8286076 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 6.202892 | .2395219 | 1.703384 | 8.928635 | 11.69585 | .4291756 |
| #2 | 6.298714 | .2430602 | 1.753031 | 8.990774 | 11.66989 | .4245162 |
| #3 | 6.284886 | .2397080 | 1.724409 | 9.089858 | 11.73983 | .4314846 |

Sample Name: K5677-06      Acquired: 11/06/2019 14:13:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM73      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0045162 | 17.86952 | 2.378793 | .0082195 | 2.742367 | .0908745 |
| Stddev | .0003273 | .06954   | .029672  | .0001335 | .014042  | .0011072 |
| %RSD   | 7.247848 | .3891433 | 1.247371 | 1.624266 | .5120449 | 1.218365 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0043321 | 17.83700 | 2.345139 | .0083731 | 2.728433 | .0921529 |
| #2 | .0043223 | 17.82220 | 2.401187 | .0081544 | 2.756515 | .0902223 |
| #3 | .0048941 | 17.94936 | 2.390052 | .0081311 | 2.742152 | .0902484 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.041136 |
| Stddev | .002083  |
| %RSD   | .2000691 |

|    |          |
|----|----------|
| #1 | 1.039630 |
| #2 | 1.043513 |
| #3 | 1.040267 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1841.346 | 3770.364 | 39796.12 | 7650.419 | 3849.433 |
| Stddev    | 13.279   | 1.188    | 71.98    | 44.539   | 4.837    |
| %RSD      | .7211745 | .0315033 | .1808704 | .5821779 | .1256644 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1855.620 | 3769.504 | 39878.44 | 7698.278 | 3851.184 |
| #2 | 1829.358 | 3771.719 | 39745.07 | 7642.796 | 3843.964 |
| #3 | 1839.061 | 3769.868 | 39764.84 | 7610.184 | 3853.151 |

Sample Name: K5677-07      Acquired: 11/06/2019 14:17:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM77      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0679397 | .0062598 | 1.403665 | -.004082 | .0171106 | 97.68202 |
| Stddev | .0017693 | .0030627 | .005882  | .001691  | .0020103 | .28735   |
| %RSD   | 2.604175 | 48.92612 | .4190334 | 41.42001 | 11.74878 | .2941724 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0691723 | .0097915 | 1.397235 | -.006028 | .0192643 | 97.40036 |
| #2 | .0687342 | .0043362 | 1.404984 | -.002967 | .0152838 | 97.67096 |
| #3 | .0659124 | .0046515 | 1.408774 | -.003253 | .0167837 | 97.97474 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.136178 | .0040762 | .0129805 | 138.4856 | .2459122 | .1089018 |
| Stddev | .003840  | .0000471 | .0001487 | .5857    | .0002038 | .0001854 |
| %RSD   | .3379425 | 1.154502 | 1.145800 | .4229055 | .0828706 | .1702749 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.135225 | .0040265 | .0129015 | 138.3112 | .2456772 | .1090994 |
| #2 | 1.140405 | .0041201 | .0128878 | 139.1386 | .2460190 | .1088746 |
| #3 | 1.132905 | .0040820 | .0131520 | 138.0069 | .2460404 | .1087316 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7635932 | 236.0813 | 10.09662 | 64.85492 | .2528465 | .0017626 |
| Stddev | .0022947 | .6780    | .03170   | .17013   | .0002279 | .0000416 |
| %RSD   | .3005111 | .2871729 | .3140019 | .2623285 | .0901504 | 2.362616 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .7628940 | 235.8969 | 10.09316 | 64.83944 | .2527246 | .0017269 |
| #2 | .7661561 | 236.8324 | 10.12991 | 65.03227 | .2531095 | .0018084 |
| #3 | .7617294 | 235.5146 | 10.06679 | 64.69306 | .2527055 | .0017526 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 7.328864 | .3730310 | 2.305460 | 5.832347 | F 15.26903 | .2262342 |
| Stddev | .058834  | .0050400 | .013403  | .096963  | .04427     | .0030056 |
| %RSD   | .8027779 | 1.351086 | .5813738 | 1.662501 | .2899173   | 1.328551 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.394332 | .3722444 | 2.301083 | 5.780720 | 15.28998 | .2231892 |
| #2 | 7.311846 | .3784181 | 2.294792 | 5.944199 | 15.21817 | .2291988 |
| #3 | 7.280415 | .3684306 | 2.320504 | 5.772120 | 15.29893 | .2263147 |

Sample Name: K5677-07      Acquired: 11/06/2019 14:17:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM77      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0083519 | 12.65072 | 1.850312 | .0169032 | 3.388979 | .1049359 |
| Stddev | .0000649 | .04909   | .005285  | .0020956 | .016046  | .0009809 |
| %RSD   | .7768730 | .3880061 | .2856160 | 12.39745 | .4734861 | .9348083 |
| #1     | .0082828 | 12.63133 | 1.851933 | .0163083 | 3.373579 | .1046645 |
| #2     | .0083614 | 12.61429 | 1.854597 | .0192319 | 3.387758 | .1041192 |
| #3     | .0084116 | 12.70654 | 1.844407 | .0151694 | 3.405601 | .1060240 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.087507 |
| Stddev | .002245  |
| %RSD   | .2064498 |
| #1     | 1.085803 |
| #2     | 1.090051 |
| #3     | 1.086668 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1864.115 | 3847.696 | 40265.35 | 7715.212 | 3822.251 |
| Stddev    | 7.924    | 5.404    | 187.57   | 40.743   | 7.625    |
| %RSD      | .4250955 | .1404360 | .4658274 | .5280907 | .1994961 |
| #1        | 1871.556 | 3842.702 | 40438.62 | 7756.830 | 3815.170 |
| #2        | 1855.783 | 3846.954 | 40066.18 | 7675.404 | 3821.258 |
| #3        | 1865.006 | 3853.432 | 40291.24 | 7713.401 | 3830.323 |

Sample Name: K5677-08      Acquired: 11/06/2019 14:21:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM81      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0712388 | .0077589 | 1.161523 | -.007056 | .0107185 | 108.8335 |
| Stddev | .0021918 | .0014008 | .006178  | .002080  | .0020185 | .4577    |
| %RSD   | 3.076679 | 18.05360 | .5318866 | 29.47840 | 18.83185 | .4205829 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0705086 | .0091596 | 1.167377 | -.006643 | .0106347 | 108.6951 |
| #2 | .0695054 | .0077589 | 1.155066 | -.009311 | .0087432 | 108.4608 |
| #3 | .0737025 | .0063581 | 1.162127 | -.005213 | .0127775 | 109.3444 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9066946 | .0040993 | .0127303 | 135.1281 | .2529444 | .0972620 |
| Stddev | .0050148 | .0001671 | .0001360 | .4593    | .0009483 | .0001890 |
| %RSD   | .5530804 | 4.076877 | 1.068183 | .3398977 | .3749047 | .1942988 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9010013 | .0039077 | .0125807 | 134.6359 | .2518825 | .0971044 |
| #2 | .9104564 | .0042154 | .0127639 | 135.2030 | .2537067 | .0974715 |
| #3 | .9086261 | .0041747 | .0128463 | 135.5453 | .2532442 | .0972101 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.558465 | 234.9476 | 5.003915 | 71.99039 | .2352191 | .0012786 |
| Stddev | .003216  | .9614    | .020004  | .27215   | .0002126 | .0002594 |
| %RSD   | .1257002 | .4092137 | .3997640 | .3780350 | .0904066 | 20.28865 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.557596 | 233.9915 | 4.981704 | 71.68770 | .2351665 | .0009809 |
| #2 | 2.562026 | 235.9143 | 5.020512 | 72.21487 | .2350378 | .0013989 |
| #3 | 2.555772 | 234.9368 | 5.009529 | 72.06860 | .2354532 | .0014561 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 1.768815 | .3733162 | 4.757371 | 11.76834 | F 12.25125 | .1821183 |
| Stddev | .191724  | .0042892 | .023805  | .04604   | .02159     | .0041938 |
| %RSD   | 10.83911 | 1.148932 | .5003764 | .3911871 | .1762417   | 2.302793 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.791626 | .3685238 | 4.780843 | 11.82041 | 12.24340 | .1805419 |
| #2 | 1.948113 | .3746299 | 4.733247 | 11.75156 | 12.23468 | .1868719 |
| #3 | 1.566707 | .3767949 | 4.758023 | 11.73305 | 12.27567 | .1789411 |

Sample Name: K5677-08      Acquired: 11/06/2019 14:21:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM81      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0032163 | 6.507772 | 3.918733 | .0362852 | 4.309993 | .1074098 |
| Stddev | .0003977 | .017436  | .022530  | .0010410 | .026074  | .0000350 |
| %RSD   | 12.36385 | .2679249 | .5749216 | 2.868961 | .6049621 | .0325527 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0036561 | 6.493089 | 3.923474 | .0371097 | 4.315952 | .1073708 |
| #2 | .0031104 | 6.503184 | 3.894209 | .0351154 | 4.281456 | .1074205 |
| #3 | .0028822 | 6.527044 | 3.938514 | .0366306 | 4.332572 | .1074382 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .8493094 |
| Stddev | .0035859 |
| %RSD   | .4222173 |

|    |          |
|----|----------|
| #1 | .8487915 |
| #2 | .8460106 |
| #3 | .8531262 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1847.173 | 3821.268 | 40059.84 | 7764.614 | 3801.139 |
| Stddev    | 3.967    | 12.374   | 114.23   | 33.342   | 4.670    |
| %RSD      | .2147827 | .3238197 | .2851603 | .4294148 | .1228553 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1846.391 | 3826.977 | 40092.53 | 7767.977 | 3802.631 |
| #2 | 1843.654 | 3829.757 | 39932.83 | 7796.148 | 3804.880 |
| #3 | 1851.473 | 3807.070 | 40154.17 | 7729.718 | 3795.905 |

Sample Name: K5677-09      Acquired: 11/06/2019 14:25:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM85      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0775149 | .0054742 | 18.13706 | -.004198 | .0219642 | 83.08626 |
| Stddev | .0025362 | .0017969 | .01912   | .006024  | .0003638 | .27132   |
| %RSD   | 3.271888 | 32.82448 | .1054074 | 143.4746 | 1.656192 | .3265485 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0785669 | .0075277 | 18.11751 | -.004687 | .0220792 | 83.30734 |
| #2 | .0746220 | .0041907 | 18.13795 | .002055  | .0215568 | 83.16796 |
| #3 | .0793558 | .0047041 | 18.15571 | -.009963 | .0222566 | 82.78348 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.398676 | .0047512 | .0419791 | 141.3566 | .2654176 | .0955331 |
| Stddev | .007475  | .0000699 | .0000434 | .1842    | .0004927 | .0006164 |
| %RSD   | .3116288 | 1.470252 | .1034186 | .1302865 | .1856309 | .6452109 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.390577 | .0047247 | .0419647 | 141.1791 | .2653457 | .0954945 |
| #2 | 2.400140 | .0046986 | .0420279 | 141.5468 | .2649648 | .0949369 |
| #3 | 2.405310 | .0048305 | .0419448 | 141.3439 | .2659423 | .0961679 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.065623 | 238.2020 | 4.426960 | 54.89582 | .2569253 | .0020399 |
| Stddev | .001170  | .8610    | .011246  | .13357   | .0012619 | .0001389 |
| %RSD   | .1097961 | .3614532 | .2540241 | .2433110 | .4911460 | 6.808133 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.064283 | 237.5565 | 4.421176 | 54.87764 | .2554740 | .0019403 |
| #2 | 1.066141 | 237.8699 | 4.419784 | 54.77227 | .2575387 | .0021986 |
| #3 | 1.066444 | 239.1796 | 4.439921 | 55.03754 | .2577632 | .0019809 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 2.317862 | .2960266 | 4.151996 | 9.425360 | F 12.02075 | .3250850 |
| Stddev | .095470  | .0048832 | .046362  | .077990  | .04606     | .0021941 |
| %RSD   | 4.118896 | 1.649577 | 1.116608 | .8274503 | .3831434   | .6749279 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.208511 | .2911394 | 4.157952 | 9.383968 | 12.06536 | .3231514 |
| #2 | 2.384636 | .3009057 | 4.195093 | 9.515320 | 11.97337 | .3246340 |
| #3 | 2.360438 | .2960346 | 4.102945 | 9.376792 | 12.02353 | .3274695 |



Sample Name: K5677-09      Acquired: 11/06/2019 14:25:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM85      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0069005 | 10.68052 | 1.884243 | .0257923 | 3.169204 | .0913632 |
| Stddev | .0005830 | .00573   | .009046  | .0009259 | .017541  | .0005357 |
| %RSD   | 8.448145 | .0536706 | .4800732 | 3.589672 | .5534928 | .5863329 |
| #1     | .0075331 | 10.67433 | 1.881647 | .0247258 | 3.186342 | .0917624 |
| #2     | .0067835 | 10.68564 | 1.894302 | .0262612 | 3.169984 | .0907544 |
| #3     | .0063849 | 10.68158 | 1.876778 | .0263898 | 3.151286 | .0915726 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.270482 |
| Stddev | .003049  |
| %RSD   | .2399937 |
| #1     | 1.273364 |
| #2     | 1.270791 |
| #3     | 1.267290 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1879.826 | 3838.312 | 40930.03 | 7843.226 | 3837.309 |
| Stddev    | 14.316   | 6.898    | 170.07   | 22.392   | 5.632    |
| %RSD      | .7615829 | .1797147 | .4155238 | .2854908 | .1467687 |
| #1        | 1880.237 | 3839.047 | 40960.07 | 7819.482 | 3838.228 |
| #2        | 1865.309 | 3844.813 | 40746.94 | 7863.961 | 3842.425 |
| #3        | 1893.933 | 3831.075 | 41083.09 | 7846.236 | 3831.274 |

Sample Name: K5677-10      Acquired: 11/06/2019 14:29:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM89      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0540141 | .0080457 | 2.382279 | -.005468 | .0135419 | 120.0320 |
| Stddev | .0011056 | .0037621 | .005001  | .002764  | .0003876 | .2018    |
| %RSD   | 2.046949 | 46.75959 | .2099204 | 50.55400 | 2.862214 | .1681189 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0532038 | .0109788 | 2.385664 | -.002331 | .0132896 | 120.2300 |
| #2 | .0535647 | .0038040 | 2.376535 | -.007546 | .0133479 | 120.0394 |
| #3 | .0552736 | .0093544 | 2.384638 | -.006527 | .0139882 | 119.8266 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.116520 | .0050104 | .0285201 | 91.21128 | .2981458 | .1068244 |
| Stddev | .004276  | .0000095 | .0001710 | .34528   | .0007195 | .0003291 |
| %RSD   | .3829431 | .1889869 | .5995118 | .3785477 | .2413335 | .3081096 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.121433 | .0050187 | .0284940 | 91.60913 | .2973151 | .1071974 |
| #2 | 1.113644 | .0050001 | .0287027 | 91.03473 | .2985460 | .1067012 |
| #3 | 1.114483 | .0050124 | .0283637 | 90.98997 | .2985762 | .1065746 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.601077 | 275.8519 | 4.878621 | 73.74464 | .2564704 | .0014466 |
| Stddev | .005682  | .5328    | .011149  | .25575   | .0004679 | .0002757 |
| %RSD   | .2184499 | .1931520 | .2285305 | .3467986 | .1824193 | 19.05574 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.598689 | 276.4236 | 4.891322 | 74.02038 | .2562868 | .0014060 |
| #2 | 2.607563 | 275.7629 | 4.870448 | 73.69831 | .2570022 | .0017403 |
| #3 | 2.596978 | 275.3692 | 4.874093 | 73.51522 | .2561222 | .0011935 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 1.281850 | .4297953 | 2.702837 | 9.945014 | F 10.19741 | .1036971 |
| Stddev | .179274  | .0021467 | .010969  | .055070  | .02610     | .0037861 |
| %RSD   | 13.98559 | .4994599 | .4058282 | .5537434 | .2559694   | 3.651168 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.413136 | .4275214 | 2.691024 | 9.938489 | 10.19848 | .0996648 |
| #2 | 1.077599 | .4317867 | 2.704785 | 10.00306 | 10.17079 | .1042501 |
| #3 | 1.354815 | .4300779 | 2.712701 | 9.89350  | 10.22296 | .1071763 |

Sample Name: K5677-10      Acquired: 11/06/2019 14:29:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM89      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0031630 | 3.744813 | 2.683302 | .0159660 | 5.030518 | .1203917 |
| Stddev | .0004278 | .006583  | .011627  | .0005246 | .011290  | .0026889 |
| %RSD   | 13.52344 | .1757779 | .4333060 | 3.285973 | .2244209 | 2.233493 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0034869 | 3.751261 | 2.693736 | .0159164 | 5.043322 | .1225396 |
| #2 | .0033240 | 3.738104 | 2.685402 | .0154679 | 5.026238 | .1212596 |
| #3 | .0026781 | 3.745076 | 2.670768 | .0165137 | 5.021994 | .1173760 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .6135984 |
| Stddev | .0013774 |
| %RSD   | .2244743 |

|    |          |
|----|----------|
| #1 | .6145410 |
| #2 | .6142366 |
| #3 | .6120177 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1888.282 | 3850.878 | 40766.42 | 7838.297 | 3807.580 |
| Stddev    | 4.909    | 3.639    | 63.49    | 21.485   | 3.069    |
| %RSD      | .2599910 | .0944966 | .1557296 | .2741068 | .0805930 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1893.949 | 3846.742 | 40839.70 | 7816.667 | 3804.997 |
| #2 | 1885.573 | 3852.303 | 40731.60 | 7838.587 | 3810.972 |
| #3 | 1885.324 | 3853.589 | 40727.97 | 7859.635 | 3806.771 |

Sample Name: K5677-11      Acquired: 11/06/2019 14:33:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM93      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203     | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .1013959 | .0094627 | F 358.2167 | -.000587 | 1.944565 | 120.9528 |
| Stddev | .0052232 | .0004005 | .1519      | .002759  | .007585  | .2642    |
| %RSD   | 5.151292 | 4.232319 | .0423991   | 470.2522 | .3900638 | .2184091 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0953912 | .0092642 | 358.3528 | .000971  | 1.941683 | 120.6883 |
| #2 | .1039081 | .0092002 | 358.0529 | .001041  | 1.938844 | 121.2166 |
| #3 | .1048883 | .0099237 | 358.2445 | -.003772 | 1.953169 | 120.9535 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.398517 | .0045753 | .0616721 | 85.66120 | .2396840 | .0959944 |
| Stddev | .004889  | .0001449 | .0001294 | .09315   | .0004707 | .0005741 |
| %RSD   | .3495651 | 3.167612 | .2097901 | .1087367 | .1963952 | .5980621 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.400913 | .0044471 | .0615334 | 85.74904 | .2401032 | .0953434 |
| #2 | 1.392893 | .0047325 | .0616934 | 85.56353 | .2391747 | .0962116 |
| #3 | 1.401746 | .0045463 | .0617895 | 85.67102 | .2397739 | .0964283 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Cu3247     | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 35.05115 | 255.3635 | 4.392667 | 67.51305 | .2819095 | .0160977 |
| Stddev | .02394     | .6613    | .008401  | .24925   | .0004836 | .0002861 |
| %RSD   | .0683051   | .2589775 | .1912546 | .3691878 | .1715338 | 1.777464 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 35.07830 | 255.8756 | 4.400087 | 67.77779 | .2821424 | .0164164 |
| #2 | 35.03306 | 254.6168 | 4.383546 | 67.28290 | .2813535 | .0160137 |
| #3 | 35.04208 | 255.5980 | 4.394368 | 67.47847 | .2822325 | .0158630 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 1.598770 | .5441618 | 13.95091 | 4.559055 | F 11.72209 | .0596738 |
| Stddev | .049402  | .0027130 | .12105   | .073070  | .03870     | .0035434 |
| %RSD   | 3.090013 | .4985740 | .8677106 | 1.602746 | .3301673   | 5.937994 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.560121 | .5462858 | 13.88114 | 4.643425 | 11.67788 | .0620953 |
| #2 | 1.581759 | .5411055 | 14.09069 | 4.517576 | 11.73853 | .0556068 |
| #3 | 1.654430 | .5450940 | 13.88090 | 4.516163 | 11.74985 | .0613193 |

Sample Name: K5677-11      Acquired: 11/06/2019 14:33:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM93      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0072608 | 4.602424 | 1.721120 | .2801653 | 4.381234 | .1087065 |
| Stddev | .0007552 | .014005  | .005983  | .0012030 | .009984  | .0014454 |
| %RSD   | 10.40091 | .3043033 | .3476343 | .4293850 | .2278746 | 1.329657 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0064884 | 4.597229 | 1.715234 | .2813833 | 4.376098 | .1071464 |
| #2 | .0072966 | 4.618284 | 1.720930 | .2801348 | 4.392740 | .1089729 |
| #3 | .0079975 | 4.591758 | 1.727196 | .2789779 | 4.374864 | .1100002 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .4559703 |
| Stddev | .0003811 |
| %RSD   | .0835865 |

|    |          |
|----|----------|
| #1 | .4557040 |
| #2 | .4564069 |
| #3 | .4557999 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1888.058 | 3775.985 | 42476.83 | 7714.782 | 3806.063 |
| Stddev    | 9.575    | 8.621    | 102.11   | 40.639   | 2.955    |
| %RSD      | .5071550 | .2283216 | .2403845 | .5267723 | .0776297 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1898.562 | 3783.627 | 42592.75 | 7749.523 | 3807.582 |
| #2 | 1879.816 | 3777.691 | 42437.53 | 7724.729 | 3807.949 |
| #3 | 1885.796 | 3766.639 | 42400.21 | 7670.092 | 3802.658 |

Sample Name: K5677-12      Acquired: 11/06/2019 14:36:58      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MJLM97      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0571759 | .0072908 | 4.182530 | -.006020 | .0270085 | 117.5490 | 1.004307 |
| Stddev | .0012305 | .0011228 | .006443  | .001756  | .0009883 | .2400    | .005317  |
| %RSD   | 2.152138 | 15.39993 | .1540403 | 29.16069 | 3.659112 | .2042069 | .5293914 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0581353 | .0071081 | 4.189880 | -.007611 | .0278684 | 117.4860 | .998192  |
| #2 | .0576038 | .0084937 | 4.177855 | -.006314 | .0259288 | 117.3467 | 1.006898 |
| #3 | .0557885 | .0062706 | 4.179857 | -.004137 | .0272282 | 117.8143 | 1.007832 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0048354 | .0050297 | 85.68000 | .2147233 | .1025376 | 2.050604 | 259.4018 |
| Stddev | .0000302 | .0000998 | .08375   | .0008235 | .0006980 | .006075  | .7781    |
| %RSD   | .6248503 | 1.983887 | .0977429 | .3835117 | .6807405 | .2962354 | .2999594 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0048287 | .0050263 | 85.58633 | .2137848 | .1029257 | 2.051897 | 258.9178 |
| #2 | .0048091 | .0051311 | 85.74764 | .2153253 | .1017318 | 2.043986 | 258.9883 |
| #3 | .0048684 | .0049316 | 85.70602 | .2150596 | .1029554 | 2.055927 | 260.2993 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.705959 | 71.68385 | .3011564 | .0039787 | 1.552808 | .4169945 | 2.244405 |
| Stddev | .018407  | .18568   | .0013374 | .0000767 | .300633  | .0007140 | .013034  |
| %RSD   | .3911369 | .2590222 | .4440939 | 1.927944 | 19.36060 | .1712173 | .5807200 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.702299 | 71.71105 | .3009674 | .0040626 | 1.333769 | .4166511 | 2.240956 |
| #2 | 4.689657 | 71.48608 | .2999235 | .0039613 | 1.429097 | .4165172 | 2.233442 |
| #3 | 4.725921 | 71.85443 | .3025782 | .0039122 | 1.895559 | .4178153 | 2.258816 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.853648 | 8.083812 | .0853872 | .0023145 | 3.138142 | 2.707996 | .0147771 |
| Stddev | .061926  | .046982  | .0047706 | .0003097 | .009326  | .012984  | .0018974 |
| %RSD   | 1.275870 | .5811803 | 5.586988 | 13.37920 | .2971694 | .4794575 | 12.84035 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.835061 | 8.046101 | .0799117 | .0023043 | 3.127799 | 2.722184 | .0143791 |
| #2 | 4.922739 | 8.068893 | .0876028 | .0026292 | 3.140720 | 2.696706 | .0168419 |
| #3 | 4.803144 | 8.136441 | .0886471 | .0020101 | 3.145907 | 2.705097 | .0131102 |

Sample Name: K5677-12      Acquired: 11/06/2019 14:36:58      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MJLM97      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.296800 | .1145740 | .6476683 |
| Stddev | .016616  | .0012664 | .0007869 |
| %RSD   | .3137011 | 1.105293 | .1214942 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.302025 | .1137371 | .6473551 |
| #2 | 5.278199 | .1139539 | .6485636 |
| #3 | 5.310175 | .1160309 | .6470863 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1901.766 | 3886.619 | 40914.49 | 7828.888 | 3825.242 |
| Stddev    | 5.390    | 6.874    | 68.04    | 7.260    | .980     |
| %RSD      | .2833978 | .1768682 | .1662939 | .0927387 | .0256308 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1900.104 | 3889.341 | 40936.02 | 7827.417 | 3826.158 |
| #2 | 1907.791 | 3878.800 | 40969.16 | 7822.475 | 3825.361 |
| #3 | 1897.403 | 3891.715 | 40838.30 | 7836.771 | 3824.208 |

Sample Name: K5677-13      Acquired: 11/06/2019 14:40:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM98      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2032283 | .0047555 | 2.047831 | .0013824 | .0333814 | 90.74772 |
| Stddev | .0036318 | .0011001 | .001856  | .0044478 | .0038366 | .12590   |
| %RSD   | 1.787051 | 23.13323 | .0906503 | 321.7325 | 11.49317 | .1387331 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2074214 | .0034953 | 2.048362 | .0010101 | .0367624 | 90.75813 |
| #2 | .2011861 | .0052467 | 2.049364 | .0060047 | .0341701 | 90.86809 |
| #3 | .2010773 | .0055243 | 2.045767 | -.002867 | .0292118 | 90.61694 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.368799 | .0038550 | .0244259 | 164.9699 | .2220625 | .0918126 |
| Stddev | .006650  | .0000945 | .0001526 | .3996    | .0017525 | .0001542 |
| %RSD   | .4858603 | 2.451156 | .6246315 | .2422176 | .7892094 | .1679359 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.361198 | .0039636 | .0243181 | 164.5272 | .2203731 | .0918324 |
| #2 | 1.373549 | .0038093 | .0243591 | 165.3038 | .2219425 | .0916495 |
| #3 | 1.371649 | .0037920 | .0246005 | 165.0787 | .2238720 | .0919559 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.250839 | 205.9149 | 4.845882 | 59.69584 | .2389054 | .0023444 |
| Stddev | .000954  | .4289    | .016241  | .26522   | .0002606 | .0002305 |
| %RSD   | .0181625 | .2083008 | .3351451 | .4442894 | .1090619 | 9.833585 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.249941 | 205.5576 | 4.834253 | 59.40601 | .2388661 | .0025893 |
| #2 | 5.251840 | 205.7966 | 4.838956 | 59.75508 | .2386668 | .0023123 |
| #3 | 5.250737 | 206.3906 | 4.864438 | 59.92643 | .2391834 | .0021316 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 2.110153 | .3014769 | 5.711562 | 14.97002 | F 13.66024 | .2564591 |
| Stddev | .220664  | .0032554 | .021657  | .00871   | .04592     | .0024966 |
| %RSD   | 10.45726 | 1.079831 | .3791702 | .0581762 | .3361474   | .9734741 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.217782 | .2993180 | 5.736301 | 14.96196 | 13.64967 | .2593418 |
| #2 | 1.856327 | .3052214 | 5.696032 | 14.97926 | 13.62053 | .2550029 |
| #3 | 2.256350 | .2998914 | 5.702352 | 14.96884 | 13.71053 | .2550326 |



Sample Name: K5677-13      Acquired: 11/06/2019 14:40:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM98      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0065137 | 17.86519 | 2.852137 | .0678376 | 3.543839 | .0849741 |
| Stddev | .0001127 | .01821   | .021298  | .0012252 | .003034  | .0020642 |
| %RSD   | 1.729431 | .1019281 | .7467458 | 1.806113 | .0856225 | 2.429216 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0066030 | 17.85455 | 2.853219 | .0667236 | 3.542263 | .0845622 |
| #2 | .0065510 | 17.88622 | 2.872874 | .0676394 | 3.547337 | .0831469 |
| #3 | .0063871 | 17.85481 | 2.830319 | .0691498 | 3.541916 | .0872132 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.269610 |
| Stddev | .001569  |
| %RSD   | .1236131 |

|    |          |
|----|----------|
| #1 | 1.270911 |
| #2 | 1.270052 |
| #3 | 1.267867 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1856.272 | 3792.772 | 40242.41 | 7733.314 | 3810.265 |
| Stddev    | 9.150    | 6.581    | 164.65   | 11.755   | 5.913    |
| %RSD      | .4929162 | .1735115 | .4091342 | .1520033 | .1551924 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1845.872 | 3794.124 | 40171.82 | 7721.071 | 3811.553 |
| #2 | 1863.082 | 3798.572 | 40430.58 | 7734.360 | 3815.428 |
| #3 | 1859.862 | 3785.621 | 40124.83 | 7744.511 | 3803.814 |

Sample Name: K5677-17      Acquired: 11/06/2019 14:44:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLMA1D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0613574 | .0079557 | 5.835116 | -.002994 | .0187589 | 121.3993 | 1.173303 |
| Stddev | .0031092 | .0023447 | .007407  | .001207  | .0026057 | .0485    | .006843  |
| %RSD   | 5.067340 | 29.47179 | .1269369 | 40.30264 | 13.89051 | .0399656 | .5832520 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0649398 | .0066071 | 5.842745 | -.001673 | .0208513 | 121.3928 | 1.173202 |
| #2 | .0593621 | .0106631 | 5.834649 | -.004039 | .0195851 | 121.4508 | 1.166511 |
| #3 | .0597702 | .0065969 | 5.827954 | -.003269 | .0158403 | 121.3544 | 1.180197 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0047831 | .0077013 | 93.30315 | .2103560 | .1075314 | 2.192170 | 254.1427 |
| Stddev | .0000692 | .0001763 | .30020   | .0000750 | .0003510 | .002655  | 1.1858   |
| %RSD   | 1.446793 | 2.289613 | .3217464 | .0356717 | .3264399 | .1211106 | .4665859 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0047699 | .0078289 | 93.24913 | .2104426 | .1079164 | 2.194865 | 254.4586 |
| #2 | .0048580 | .0077748 | 93.03363 | .2103141 | .1074488 | 2.189557 | 252.8310 |
| #3 | .0047215 | .0075001 | 93.62669 | .2103112 | .1072291 | 2.192090 | 255.1386 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.963121 | 73.67540 | .2816203 | .0030879 | 1.699255 | .4374516 | 2.211859 |
| Stddev | .014715  | .30829   | .0014137 | .0002794 | .175128  | .0046270 | .015880  |
| %RSD   | .2964899 | .4184470 | .5019976 | 9.049780 | 10.30618 | 1.057719 | .7179556 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.964662 | 73.78132 | .2831987 | .0028453 | 1.621307 | .4415364 | 2.218463 |
| #2 | 4.947696 | 73.32811 | .2804704 | .0030248 | 1.899824 | .4324268 | 2.223372 |
| #3 | 4.977005 | 73.91677 | .2811919 | .0033935 | 1.576634 | .4383916 | 2.193743 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.155725 | 8.849465 | .0978770 | .0025371 | 3.324643 | 2.055804 | .0337074 |
| Stddev | .021525  | .021950  | .0029451 | .0002925 | .009862  | .011086  | .0009259 |
| %RSD   | .4175017 | .2480355 | 3.008987 | 11.52828 | .2966409 | .5392546 | 2.746807 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.175217 | 8.844891 | .0964723 | .0028577 | 3.314330 | 2.059192 | .0339789 |
| #2 | 5.159335 | 8.830162 | .0958972 | .0024690 | 3.325616 | 2.043420 | .0344672 |
| #3 | 5.132623 | 8.873341 | .1012615 | .0022847 | 3.333983 | 2.064802 | .0326761 |

Sample Name: K5677-17      Acquired: 11/06/2019 14:44:47      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MJLMA1D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.676728 | .1195265 | .7021584 |
| Stddev | .005681  | .0014589 | .0010844 |
| %RSD   | .1000738 | 1.220539 | .1544439 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.670998 | .1178575 | .7027004 |
| #2 | 5.682359 | .1205587 | .7009098 |
| #3 | 5.676826 | .1201634 | .7028650 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1919.684 | 3902.906 | 41277.36 | 7927.866 | 3810.407 |
| Stddev    | 6.017    | 12.523   | 200.99   | 14.304   | 4.272    |
| %RSD      | .3134200 | .3208647 | .4869138 | .1804246 | .1121114 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1915.485 | 3917.149 | 41139.43 | 7927.704 | 3814.752 |
| #2 | 1926.577 | 3897.948 | 41507.96 | 7942.250 | 3810.256 |
| #3 | 1916.991 | 3893.622 | 41184.68 | 7913.643 | 3806.212 |

Sample Name: K5677-14      Acquired: 11/06/2019 14:50:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM99      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0529625 | .0093094 | 3.838655 | -.007085 | .0154884 | 118.6736 | .9922660 |
| Stddev | .0010408 | .0017021 | .005950  | .004630  | .0014227 | .3536    | .0040587 |
| %RSD   | 1.965174 | 18.28322 | .1549993 | 65.35313 | 9.185672 | .2979295 | .4090377 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0526873 | .0111789 | 3.834072 | -.010506 | .0147464 | 119.0258 | .9876515 |
| #2 | .0520870 | .0089000 | 3.836513 | -.008934 | .0171287 | 118.3186 | .9938641 |
| #3 | .0541133 | .0078494 | 3.845379 | -.001816 | .0145901 | 118.6764 | .9952825 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0051237 | .0076435 | 88.23658 | .2228266 | .1045422 | 1.864905 | 285.2415 |
| Stddev | .0000992 | .0000862 | .33764   | .0007501 | .0001665 | .009384  | 1.2052   |
| %RSD   | 1.935651 | 1.128467 | .3826511 | .3366518 | .1592848 | .5032012 | .4225280 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0052371 | .0076962 | 87.92676 | .2220318 | .1047320 | 1.874959 | 283.9817 |
| #2 | .0050530 | .0075440 | 88.18651 | .2229259 | .1044743 | 1.863377 | 285.3593 |
| #3 | .0050810 | .0076904 | 88.59645 | .2235223 | .1044204 | 1.856379 | 286.3835 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.855013 | 72.44885 | .2598133 | .0015681 | 1.094223 | .4267585 | 1.856244 |
| Stddev | .016531  | .31939   | .0002602 | .0003383 | .296409  | .0032698 | .003611  |
| %RSD   | .3404943 | .4408553 | .1001639 | 21.57058 | 27.08859 | .7662002 | .1945540 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.845501 | 72.08097 | .2598428 | .0016877 | 1.216820 | .4231029 | 1.856046 |
| #2 | 4.845436 | 72.61023 | .2595396 | .0011863 | 1.309666 | .4277683 | 1.852735 |
| #3 | 4.874101 | 72.65536 | .2600576 | .0018304 | .756182  | .4294043 | 1.859950 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.499212 | 7.892375 | .1021889 | .0051106 | 2.787678 | 3.756603 | .0193682 |
| Stddev | .025273  | .026617  | .0020767 | .0005542 | .008661  | .033858  | .0018728 |
| %RSD   | .5617244 | .3372476 | 2.032189 | 10.84322 | .3106780 | .9012888 | 9.669596 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.493180 | 7.901434 | .1030257 | .0049378 | 2.795773 | 3.728339 | .0214382 |
| #2 | 4.477501 | 7.862412 | .0998244 | .0046634 | 2.778545 | 3.794128 | .0177910 |
| #3 | 4.526956 | 7.913280 | .1037167 | .0057305 | 2.788716 | 3.747344 | .0188756 |

Sample Name: K5677-14      Acquired: 11/06/2019 14:50:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLM99      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.803595 | .1153112 | .6018948 |
| Stddev | .023792  | .0022242 | .0008247 |
| %RSD   | .4099481 | 1.928874 | .1370255 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.826999 | .1165139 | .6016862 |
| #2 | 5.779433 | .1127445 | .6011944 |
| #3 | 5.804354 | .1166750 | .6028038 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1880.894 | 3862.021 | 40632.67 | 7761.117 | 3799.851 |
| Stddev    | 8.488    | 5.810    | 77.72    | 42.225   | 4.637    |
| %RSD      | .4512817 | .1504305 | .1912776 | .5440533 | .1220195 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1885.258 | 3858.501 | 40703.20 | 7764.242 | 3795.630 |
| #2 | 1871.112 | 3868.726 | 40549.35 | 7717.417 | 3804.813 |
| #3 | 1886.312 | 3858.835 | 40645.47 | 7801.693 | 3799.109 |

Sample Name: K5677-15      Acquired: 11/06/2019 14:54:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLMA0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1259559 | .0066514 | 2.158818 | -.001332 | .0217966 | 99.30944 |
| Stddev | .0039662 | .0022185 | .006183  | .002611  | .0019575 | .55456   |
| %RSD   | 3.148889 | 33.35446 | .2864224 | 195.9899 | 8.980798 | .5584166 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1284360 | .0070743 | 2.165595 | -.000549 | .0225378 | 99.88399 |
| #2 | .1213815 | .0042518 | 2.153483 | .000797  | .0232753 | 98.77730 |
| #3 | .1280502 | .0086280 | 2.157375 | -.004245 | .0195768 | 99.26704 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8655638 | .0039473 | .0165006 | 133.8875 | .2358686 | .0912409 |
| Stddev | .0028632 | .0000643 | .0000922 | .2420    | .0011920 | .0003591 |
| %RSD   | .3307915 | 1.628523 | .5589574 | .1807728 | .5053508 | .3935195 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .8622991 | .0039694 | .0164847 | 133.6932 | .2365290 | .0915986 |
| #2 | .8676481 | .0038749 | .0165997 | 133.8107 | .2365842 | .0908805 |
| #3 | .8667442 | .0039976 | .0164173 | 134.1587 | .2344926 | .0912435 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.337575 | 230.7247 | 4.556094 | 63.49914 | .2368208 | .0026248 |
| Stddev | .008499  | 1.5881   | .025187  | .39859   | .0009246 | .0001944 |
| %RSD   | .2546573 | .6883300 | .5528165 | .6277104 | .3904412 | 7.405950 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.330886 | 229.0442 | 4.535289 | 63.04319 | .2366756 | .0025381 |
| #2 | 3.334700 | 230.9291 | 4.548897 | 63.67271 | .2359774 | .0028474 |
| #3 | 3.347139 | 232.2007 | 4.584096 | 63.78152 | .2378095 | .0024888 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 1.829884 | .3353482 | 3.948673 | 13.45481 | F 12.06509 | .1711561 |
| Stddev | .075411  | .0041283 | .015512  | .03264   | .04922     | .0056578 |
| %RSD   | 4.121085 | 1.231033 | .3928388 | .2425561 | .4079674   | 3.305669 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.745904 | .3318211 | 3.966510 | 13.46766 | 12.05907 | .1646233 |
| #2 | 1.891807 | .3343347 | 3.941167 | 13.47906 | 12.01916 | .1743663 |
| #3 | 1.851942 | .3398888 | 3.938342 | 13.41770 | 12.11705 | .1744787 |

Sample Name: K5677-15      Acquired: 11/06/2019 14:54:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLMA0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0051237 | 7.518930 | 2.287333 | .0303902 | 3.688993 | .0955947 |
| Stddev | .0002838 | .020627  | .028855  | .0009224 | .025544  | .0007172 |
| %RSD   | 5.539271 | .2743395 | 1.261525 | 3.035100 | .6924496 | .7502756 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0048052 | 7.521415 | 2.313267 | .0294914 | 3.716872 | .0963258 |
| #2 | .0052159 | 7.497173 | 2.256250 | .0313344 | 3.666711 | .0948921 |
| #3 | .0053499 | 7.538203 | 2.292482 | .0303446 | 3.683398 | .0955662 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .9177455 |
| Stddev | .0038274 |
| %RSD   | .4170377 |

|    |          |
|----|----------|
| #1 | .9220285 |
| #2 | .9146605 |
| #3 | .9165474 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1864.160 | 3773.577 | 40259.79 | 7679.711 | 3831.373 |
| Stddev    | 7.996    | 2.579    | 54.39    | 38.546   | 6.294    |
| %RSD      | .4289589 | .0683321 | .1350898 | .5019150 | .1642642 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1860.334 | 3774.692 | 40197.58 | 7656.099 | 3825.029 |
| #2 | 1873.351 | 3775.412 | 40283.47 | 7724.191 | 3837.615 |
| #3 | 1858.795 | 3770.629 | 40298.32 | 7658.841 | 3831.475 |

Sample Name: K5677-16      Acquired: 11/06/2019 14:58:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLMA1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0618761 | .0069892 | 5.835345 | -.005390 | .0188381 | 121.9314 | 1.177281 |
| Stddev | .0043790 | .0005145 | .013784  | .002593  | .0005351 | .4185    | .003595  |
| %RSD   | 7.077050 | 7.360787 | .2362076 | 48.10584 | 2.840261 | .3432280 | .3053927 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0573883 | .0065383 | 5.825692 | -.003880 | .0190229 | 121.9685 | 1.177763 |
| #2 | .0621024 | .0068798 | 5.829212 | -.008384 | .0182351 | 121.4956 | 1.180611 |
| #3 | .0661375 | .0075496 | 5.851130 | -.003907 | .0192563 | 122.3301 | 1.173469 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0048812 | .0073609 | 92.86768 | .2105425 | .1069098 | 2.190956 | 252.5810 |
| Stddev | .0002274 | .0001511 | .10536   | .0010766 | .0004349 | .007932  | .1747    |
| %RSD   | 4.658662 | 2.052486 | .1134564 | .5113520 | .4068360 | .3620528 | .0691677 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0049927 | .0071942 | 92.89321 | .2103818 | .1065017 | 2.192681 | 252.3817 |
| #2 | .0046195 | .0073997 | 92.95793 | .2095553 | .1068601 | 2.182303 | 252.7076 |
| #3 | .0050312 | .0074887 | 92.75189 | .2116905 | .1073674 | 2.197885 | 252.6538 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.949310 | 73.65500 | .2779118 | .0025911 | 1.837041 | .4314066 | 2.200795 |
| Stddev | .000493  | .06688   | .0010726 | .0003474 | .025924  | .0071900 | .010111  |
| %RSD   | .0099644 | .0907961 | .3859411 | 13.40815 | 1.411206 | 1.666633 | .4594135 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.949561 | 73.71604 | .2769739 | .0023964 | 1.859068 | .4233564 | 2.189794 |
| #2 | 4.949627 | 73.66546 | .2776802 | .0029922 | 1.808472 | .4371898 | 2.202909 |
| #3 | 4.948742 | 73.58352 | .2790812 | .0023848 | 1.843582 | .4336737 | 2.209681 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.115151 | 8.704835 | .0889477 | .0018913 | 3.233845 | 2.079782 | .0349628 |
| Stddev | .057805  | .042575  | .0054320 | .0001459 | .024344  | .027161  | .0011572 |
| %RSD   | 1.130077 | .4890938 | 6.106938 | 7.715977 | .7527881 | 1.305945 | 3.309703 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.121982 | 8.655717 | .0863486 | .0019109 | 3.205924 | 2.097063 | .0347689 |
| #2 | 5.054233 | 8.731180 | .0951909 | .0020264 | 3.244993 | 2.048475 | .0339149 |
| #3 | 5.169236 | 8.727609 | .0853036 | .0017365 | 3.250619 | 2.093807 | .0362048 |



Sample Name: K5677-16      Acquired: 11/06/2019 14:58:24      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MJLMA1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.687445 | .1190510 | .7035260 |
| Stddev | .037276  | .0012676 | .0012778 |
| %RSD   | .6554115 | 1.064740 | .1816329 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.692057 | .1185385 | .7037701 |
| #2 | 5.648078 | .1181200 | .7021438 |
| #3 | 5.722201 | .1204946 | .7046642 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1926.951 | 3912.839 | 41329.70 | 7836.001 | 3821.778 |
| Stddev    | 5.252    | 5.755    | 207.79   | 53.879   | 3.585    |
| %RSD      | .2725324 | .1470748 | .5027544 | .6875836 | .0938059 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1932.879 | 3907.593 | 41564.06 | 7815.795 | 3820.864 |
| #2 | 1922.882 | 3911.930 | 41257.02 | 7897.062 | 3825.731 |
| #3 | 1925.091 | 3918.994 | 41168.01 | 7795.145 | 3818.738 |

Sample Name: K5677-16LX5      Acquired: 11/06/2019 15:06:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLMA1L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0144595 | .0028840 | 1.158335 | -.000964 | .0029934 | 25.16550 | .2424779 |
| Stddev | .0013719 | .0022447 | .001934  | .002542  | .0002249 | .05254   | .0005616 |
| %RSD   | 9.487483 | 77.83030 | .1669885 | 263.7583 | 7.513420 | .2087777 | .2315942 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0145230 | .0042571 | 1.159009 | -.002207 | .0031946 | 25.10522 | .2418360 |
| #2 | .0130571 | .0041014 | 1.156154 | -.002645 | .0027506 | 25.20157 | .2427193 |
| #3 | .0157986 | .0002937 | 1.159842 | .001961  | .0030349 | 25.18971 | .2428784 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0010351 | .0013983 | 19.72634 | .0447332 | .0203917 | .4649718 | 53.77239 |
| Stddev | .0000381 | .0000594 | .04866   | .0008024 | .0002862 | .0026474 | .12950   |
| %RSD   | 3.678563 | 4.248537 | .2466610 | 1.793711 | 1.403470 | .5693678 | .2408359 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0009921 | .0013651 | 19.67850 | .0455914 | .0204697 | .4663199 | 53.81847 |
| #2 | .0010486 | .0014669 | 19.72473 | .0446065 | .0206309 | .4666739 | 53.62614 |
| #3 | .0010647 | .0013629 | 19.77578 | .0440017 | .0200746 | .4619217 | 53.87255 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.049080 | 15.31818 | .0551587 | .0009501 | .0401344 | .0913895 | .4575828 |
| Stddev | .002155  | .04915   | .0005328 | .0000526 | .1797549 | .0023992 | .0080814 |
| %RSD   | .2054418 | .3208352 | .9660349 | 5.535048 | 447.8822 | 2.625225 | 1.766112 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.049964 | 15.31672 | .0549757 | .0009166 | .2185928 | .0893145 | .4545200 |
| #2 | 1.046623 | 15.36804 | .0557589 | .0009230 | -.140889 | .0940166 | .4667479 |
| #3 | 1.050652 | 15.26978 | .0547414 | .0010107 | .042700  | .0908374 | .4514804 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7072123 | 1.680060 | .0175221 | .0004120 | .6265264 | .4353868 | .0045232 |
| Stddev | .0823874 | .004387  | .0007663 | .0004421 | .0024848 | .0061665 | .0004685 |
| %RSD   | 11.64959 | .2611241 | 4.373534 | 107.3259 | .3965991 | 1.416321 | 10.35878 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7229297 | 1.680135 | .0167536 | .0006838 | .6289694 | .4374461 | .0050597 |
| #2 | .7806088 | 1.684410 | .0175266 | .0006503 | .6240018 | .4402602 | .0043155 |
| #3 | .6180985 | 1.675636 | .0182862 | -.000098 | .6266082 | .4284542 | .0041945 |

Sample Name: K5677-16LX5      Acquired: 11/06/2019 15:06:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLMA1L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.207346 | .0182889 | .1496451 |
| Stddev | .006221  | .0014960 | .0002553 |
| %RSD   | .5152570 | 8.179760 | .1705673 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.204361 | .0170167 | .1494946 |
| #2 | 1.214497 | .0199370 | .1499398 |
| #3 | 1.203180 | .0179130 | .1495008 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1841.290 | 3713.676 | 39480.87 | 7377.887 | 3956.526 |
| Stddev    | 9.863    | 4.964    | 183.45   | 49.033   | 2.450    |
| %RSD      | .5356710 | .1336698 | .4646650 | .6645969 | .0619114 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1831.815 | 3708.064 | 39307.64 | 7331.504 | 3954.359 |
| #2 | 1851.500 | 3717.492 | 39673.07 | 7372.958 | 3956.035 |
| #3 | 1840.555 | 3715.473 | 39461.91 | 7429.198 | 3959.184 |

Sample Name: K5677-18      Acquired: 11/06/2019 15:02:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLMA1S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1439335 | .1153653 | 4.464978 | .0141380 | .0899414 | 124.2050 | 5.039328 |
| Stddev | .0022503 | .0047614 | .002096  | .0027261 | .0015129 | .2384    | .003820  |
| %RSD   | 1.563429 | 4.127234 | .0469469 | 19.28209 | 1.682062 | .1919025 | .0758001 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1413566 | .1100758 | 4.465307 | .0116552 | .0904449 | 124.0300 | 5.043233 |
| #2 | .1455109 | .1167112 | 4.462737 | .0170552 | .0911383 | 124.4765 | 5.035600 |
| #3 | .1449330 | .1193089 | 4.466891 | .0137037 | .0882410 | 124.1086 | 5.039149 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1014690 | .1137795 | 95.09143 | .6572966 | 1.163673 | 2.795042 | 269.7523 |
| Stddev | .0006493 | .0003140 | .07528   | .0007544 | .001569  | .004762  | .5162    |
| %RSD   | .6398689 | .2759987 | .0791638 | .1147720 | .1348726 | .1703639 | .1913566 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1020438 | .1137675 | 95.00516 | .6577996 | 1.164438 | 2.791148 | 269.5502 |
| #2 | .1007648 | .1134717 | 95.12537 | .6576610 | 1.161868 | 2.793629 | 269.3677 |
| #3 | .1015986 | .1140994 | 95.14376 | .6564292 | 1.164713 | 2.800351 | 270.3389 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.966017 | 72.57806 | 1.346004 | .0971530 | 1.935788 | 1.404775 | 3.339506 |
| Stddev | .012045  | .21513   | .001380  | .0004142 | .280566  | .002804  | .017231  |
| %RSD   | .2018887 | .2964154 | .1025610 | .4263439 | 14.49361 | .1996381 | .5159817 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.960860 | 72.54873 | 1.346589 | .0966944 | 1.673934 | 1.406727 | 3.320326 |
| #2 | 5.957410 | 72.37909 | 1.344427 | .0972647 | 1.901514 | 1.406038 | 3.344511 |
| #3 | 5.979782 | 72.80635 | 1.346995 | .0974999 | 2.231916 | 1.401562 | 3.353680 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.256054 | 8.719259 | .0986046 | .0040479 | 3.241390 | 3.753644 | .0330628 |
| Stddev | .031499  | .009766  | .0042668 | .0002760 | .009540  | .028059  | .0010652 |
| %RSD   | .5992944 | .1120027 | 4.327193 | 6.817949 | .2943157 | .7475129 | 3.221804 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.229857 | 8.716683 | .0939809 | .0037352 | 3.233784 | 3.775294 | .0328149 |
| #2 | 5.247301 | 8.711040 | .1023901 | .0042571 | 3.238291 | 3.721944 | .0321434 |
| #3 | 5.291004 | 8.730055 | .0994430 | .0041516 | 3.252094 | 3.763694 | .0342301 |

Sample Name: K5677-18      Acquired: 11/06/2019 15:02:20      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MJLMA1S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.051514 | .1175782 | .6487195 |
| Stddev | .012212  | .0002178 | .0012426 |
| %RSD   | .2417480 | .1852528 | .1915527 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.041851 | .1174321 | .6495725 |
| #2 | 5.065239 | .1174738 | .6492922 |
| #3 | 5.047451 | .1178285 | .6472938 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1907.156 | 3903.414 | 41055.63 | 7941.668 | 3817.387 |
| Stddev    | 8.501    | 11.866   | 128.74   | 9.970    | 6.969    |
| %RSD      | .4457166 | .3039907 | .3135743 | .1255363 | .1825497 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1916.539 | 3912.077 | 41185.29 | 7931.508 | 3812.378 |
| #2 | 1904.960 | 3908.276 | 40927.83 | 7951.436 | 3825.346 |
| #3 | 1899.969 | 3889.889 | 41053.78 | 7942.060 | 3814.438 |

Sample Name: CCB046      Acquired: 11/06/2019 15:14:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB046      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006478 | .0005429 | .0020810 | .0005032 | -.000110 | .0090038 | -.000109 |
| Stddev | .0004879 | .0013055 | .0006972 | .0023917 | .000223  | .0122165 | .000558  |
| %RSD   | 75.31876 | 240.4749 | 33.50311 | 475.2815 | 201.9619 | 135.6810 | 513.9019 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001309 | .0003815 | .0019400 | -.001752 | -.000150 | .0019872 | -.000476 |
| #2 | .0007122 | -.000674 | .0014651 | .000250  | .000130  | .0231101 | -.000384 |
| #3 | .0011002 | .001922  | .0028380 | .003011  | -.000311 | .0019141 | .000534  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000007 | -.000074 | .0050546 | -.000426 | -.000112 | -.000494 | .0112449 |
| Stddev | .000056  | .000035  | .0081768 | .000279  | .000161  | .002210  | .0022819 |
| %RSD   | 780.0266 | 47.24389 | 161.7696 | 65.53244 | 143.9592 | 447.2187 | 20.29254 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000010  | -.000073 | .0120415 | -.000407 | -.000247 | -.002815 | .0138762 |
| #2 | -.000070 | -.000110 | -.003939 | -.000157 | -.000154 | -.000254 | .0098097 |
| #3 | .000038  | -.000040 | .007061  | -.000715 | .000066  | .001586  | .0100489 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004437 | .0172287 | -.000139 | .0004819 | -.278667 | .0006502 | -.004279 |
| Stddev | .0002018 | .0272028 | .000383  | .0004300 | .098614  | .0018033 | .001013  |
| %RSD   | 45.48051 | 157.8923 | 274.9015 | 89.21252 | 35.38783 | 277.3590 | 23.67274 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0006584 | .0486265 | .000226  | .0003889 | -.264450 | .0002281 | -.005009 |
| #2 | .0004146 | .0007396 | -.000107 | .0009508 | -.187933 | -.000905 | -.004705 |
| #3 | .0002580 | .0023200 | -.000538 | .0001061 | -.383618 | .002627  | -.003122 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -3.35383 | -.001320 | .0007744 | .0004452 | -.002719 | -.009760 | -.004037 |
| Stddev | .08167   | .001594  | .0009077 | .0000710 | .001355  | .000429  | .000381  |
| %RSD   | 2.435036 | 120.7408 | 117.2190 | 15.93792 | 49.84761 | 4.400079 | 9.430625 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -3.44720 | -.000303 | .0008805 | .0004599 | -.001715 | -.009737 | -.003753 |
| #2 | -3.29571 | -.003158 | .0016244 | .0003680 | -.004261 | -.009342 | -.003888 |
| #3 | -3.31858 | -.000500 | -.000182 | .0005077 | -.002182 | -.010200 | -.004470 |

Sample Name: CCB046      Acquired: 11/06/2019 15:14:18      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB046      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000072 | -.012911 | .0000197 |
| Stddev | .000680  | .000662  | .0000632 |
| %RSD   | 942.3370 | 5.127779 | 319.8844 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000713  | -.012972 | .0000452 |
| #2 | -.000469 | -.012220 | -.000052 |
| #3 | -.000461 | -.013540 | .000066  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1902.333 | 3813.325 | 40261.43 | 7311.070 | 4148.947 |
| Stddev    | 9.226    | 3.723    | 112.19   | 43.789   | 7.000    |
| %RSD      | .4849706 | .0976326 | .2786562 | .5989437 | .1687280 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1891.695 | 3816.234 | 40168.49 | 7350.876 | 4147.099 |
| #2 | 1908.141 | 3814.613 | 40229.76 | 7264.165 | 4156.686 |
| #3 | 1907.164 | 3809.129 | 40386.06 | 7318.170 | 4143.056 |

Sample Name: CCV046      Acquired: 11/06/2019 15:10:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CC0V46      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.850243 | 4.735385 | 24.34237 | 4.900025 | 4.826402 | 415.9339 | 9.649465 |
| Stddev | .007057  | .010056  | .03015   | .007482  | .003977  | 4.0755   | .023672  |
| %RSD   | .1455060 | .2123647 | .1238480 | .1527027 | .0824098 | .9798363 | .2453217 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.842106 | 4.727573 | 24.32575 | 4.896825 | 4.823906 | 413.1184 | 9.643500 |
| #2 | 4.853918 | 4.731851 | 24.32418 | 4.894674 | 4.824311 | 420.6073 | 9.629346 |
| #3 | 4.854704 | 4.746732 | 24.37717 | 4.908575 | 4.830989 | 414.0761 | 9.675549 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4710664 | 2.436845 | 397.1071 | 14.99977 | 2.449953 | 14.85951 | 394.5575 |
| Stddev | .0049111 | .003995  | .2797    | .00598   | .004309  | .05418   | 1.7019   |
| %RSD   | 1.042544 | .1639499 | .0704229 | .0398784 | .1758634 | .3646250 | .4313322 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4728834 | 2.434037 | 396.8049 | 14.99533 | 2.445079 | 14.83587 | 392.7975 |
| #2 | .4748100 | 2.435080 | 397.1597 | 14.99740 | 2.451529 | 14.92150 | 394.6804 |
| #3 | .4655058 | 2.441419 | 397.3567 | 15.00657 | 2.453252 | 14.82117 | 396.1945 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.18945 | 386.6382 | 2.455731 | 1.203269 | 390.3525 | 2.369944 | 14.70898 |
| Stddev | .05540   | 1.7536   | .001703  | .006895  | 1.6843   | .008314  | .12270   |
| %RSD   | .3904521 | .4535549 | .0693433 | .5729970 | .4314767 | .3508073 | .8341959 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.12628 | 384.8708 | 2.455765 | 1.207264 | 389.9040 | 2.367372 | 14.68120 |
| #2 | 14.22977 | 386.6660 | 2.457417 | 1.207234 | 388.9378 | 2.363220 | 14.84319 |
| #3 | 14.21231 | 388.3777 | 2.454012 | 1.195307 | 392.2156 | 2.379240 | 14.60254 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 152.0907 | 4.895677 | 4.703083 | 4.867742 | 4.998062 | 4.651150 | 4.897706 |
| Stddev | .6299    | .010161  | .047566  | .007509  | .007311  | .052874  | .002981  |
| %RSD   | .4141428 | .2075424 | 1.011382 | .1542700 | .1462838 | 1.136799 | .0608587 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 152.2451 | 4.907382 | 4.719035 | 4.859678 | 4.997857 | 4.671714 | 4.894266 |
| #2 | 152.6290 | 4.890527 | 4.740622 | 4.874534 | 5.005473 | 4.690653 | 4.899344 |
| #3 | 151.3979 | 4.889123 | 4.649591 | 4.869013 | 4.990855 | 4.591083 | 4.899509 |



Sample Name: CCV046      Acquired: 11/06/2019 15:10:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CC0V46      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.046833 | 5.015853 | 5.141860 |
| Stddev | .046690  | .010723  | .001955  |
| %RSD   | .9251262 | .2137760 | .0380196 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.062861 | 5.023357 | 5.140298 |
| #2 | 5.083397 | 5.020630 | 5.144053 |
| #3 | 4.994240 | 5.003572 | 5.141230 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1558.686 | 3175.934 | 35696.19 | 6899.564 | 3212.611 |
| Stddev    | 3.883    | 3.834    | 64.40    | 24.942   | 5.311    |
| %RSD      | .2491179 | .1207335 | .1804156 | .3614999 | .1653171 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1562.602 | 3179.892 | 35765.71 | 6893.244 | 3217.318 |
| #2 | 1554.837 | 3175.673 | 35684.31 | 6878.389 | 3213.661 |
| #3 | 1558.618 | 3172.237 | 35638.57 | 6927.058 | 3206.853 |

Sample Name: K5677-19      Acquired: 11/06/2019 15:18:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLMK4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0660880 | .0083069 | 4.847851 | -.005422 | .0187393 | 118.9555 | .9374325 |
| Stddev | .0039193 | .0020517 | .000465  | .002815  | .0016762 | .3705    | .0002462 |
| %RSD   | 5.930412 | 24.69822 | .0095946 | 51.93086 | 8.945037 | .3114460 | .0262617 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0666777 | .0060088 | 4.848078 | -.007113 | .0201614 | 118.5288 | .9376990 |
| #2 | .0619073 | .0089574 | 4.847316 | -.002171 | .0168912 | 119.1426 | .9373848 |
| #3 | .0696790 | .0099544 | 4.848160 | -.006980 | .0191655 | 119.1952 | .9372137 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0047836 | .0060105 | 91.65997 | .2112597 | .1057037 | 3.757899 | 260.8679 |
| Stddev | .0001692 | .0000788 | .12663   | .0011872 | .0004175 | .005928  | .3554    |
| %RSD   | 3.538123 | 1.311317 | .1381498 | .5619509 | .3950014 | .1577353 | .1362346 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0046278 | .0060989 | 91.60961 | .2101979 | .1052467 | 3.751732 | 260.4690 |
| #2 | .0049637 | .0059849 | 91.80403 | .2125415 | .1060651 | 3.763553 | 260.9839 |
| #3 | .0047594 | .0059476 | 91.56627 | .2110396 | .1057995 | 3.758413 | 261.1508 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.798268 | 73.23294 | .2611906 | .0012741 | 1.795749 | .4313059 | 2.258014 |
| Stddev | .013086  | .15988   | .0006277 | .0003720 | .024001  | .0017311 | .021332  |
| %RSD   | .2727224 | .2183174 | .2403192 | 29.19721 | 1.336544 | .4013609 | .9447417 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.795820 | 73.12684 | .2608791 | .0014569 | 1.822281 | .4294158 | 2.237807 |
| #2 | 4.812405 | 73.15516 | .2619131 | .0015194 | 1.789417 | .4328142 | 2.280317 |
| #3 | 4.786579 | 73.41683 | .2607796 | .0008461 | 1.775549 | .4316879 | 2.255918 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.101252 | 8.245805 | .0846673 | .0031539 | 3.256978 | 2.418890 | .0198759 |
| Stddev | .031378  | .012454  | .0068394 | .0004248 | .010288  | .031018  | .0002561 |
| %RSD   | .6150989 | .1510290 | 8.077959 | 13.46933 | .3158801 | 1.282321 | 1.288603 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.118443 | 8.247032 | .0893952 | .0035429 | 3.257011 | 2.397807 | .0197547 |
| #2 | 5.065035 | 8.232783 | .0877817 | .0027006 | 3.246673 | 2.404358 | .0201702 |
| #3 | 5.120277 | 8.257599 | .0768250 | .0032180 | 3.267249 | 2.454507 | .0197029 |

Sample Name: K5677-19      Acquired: 11/06/2019 15:18:26      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MJLMK4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.646542 | .1175783 | .6288189 |
| Stddev | .013374  | .0005531 | .0017084 |
| %RSD   | .2368477 | .4704065 | .2716895 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.633310 | .1182075 | .6268897 |
| #2 | 5.660053 | .1173584 | .6301404 |
| #3 | 5.646265 | .1171689 | .6294267 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1915.889 | 3890.616 | 41005.18 | 7779.336 | 3826.989 |
| Stddev    | 16.244   | 4.750    | 109.20   | 29.373   | 7.836    |
| %RSD      | .8478742 | .1220827 | .2662969 | .3775816 | .2047447 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1934.330 | 3890.161 | 41112.25 | 7779.748 | 3834.227 |
| #2 | 1903.697 | 3886.110 | 40893.97 | 7808.501 | 3818.668 |
| #3 | 1909.640 | 3895.577 | 41009.33 | 7749.758 | 3828.071 |

Sample Name: K5677-20      Acquired: 11/06/2019 15:22:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLMK6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0672486 | .0081630 | 5.449853 | -.003758 | .0168561 | 119.0109 |
| Stddev | .0040351 | .0040083 | .014697  | .003978  | .0008875 | .0697    |
| %RSD   | 6.000289 | 49.10269 | .2696797 | 105.8441 | 5.265106 | .0585589 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0706221 | .0041425 | 5.435273 | .000730  | .0171036 | 118.9824 |
| #2 | .0683451 | .0121589 | 5.449621 | -.006847 | .0175935 | 119.0904 |
| #3 | .0627786 | .0081877 | 5.464664 | -.005158 | .0158711 | 118.9601 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.134597 | .0045619 | .0062093 | 93.86902 | .2253530 | .1082447 |
| Stddev | .004114  | .0001985 | .0000853 | .08290   | .0007691 | .0001821 |
| %RSD   | .3625613 | 4.351017 | 1.374458 | .0883124 | .3413057 | .1682167 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.133024 | .0046905 | .0061118 | 93.91512 | .2244879 | .1084544 |
| #2 | 1.139265 | .0046619 | .0062703 | 93.91862 | .2259596 | .1081529 |
| #3 | 1.131502 | .0043333 | .0062458 | 93.77332 | .2256115 | .1081268 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Cu3247     | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 53.71170 | 250.9578 | 4.955282 | 73.96189 | .3180110 | .0013549 |
| Stddev | .06408     | .5307    | .009124  | .05557   | .0008877 | .0001962 |
| %RSD   | .1193065   | .2114734 | .1841310 | .0751297 | .2791259 | 14.48199 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 53.64980 | 250.5454 | 4.945686 | 73.93595 | .3181661 | .0011362 |
| #2 | 53.77776 | 251.5565 | 4.963848 | 74.02568 | .3170560 | .0014128 |
| #3 | 53.70753 | 250.7713 | 4.956311 | 73.92404 | .3188109 | .0015156 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.583841 | .4280489 | 2.464863 | 5.178658 | 8.708303 | .0940651 |
| Stddev | .038712  | .0026506 | .033748  | .021719  | .013328  | .0022157 |
| %RSD   | 2.444175 | .6192352 | 1.369148 | .4194035 | .1530508 | 2.355441 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.558703 | .4306250 | 2.473012 | 5.192549 | 8.699539 | .0961294 |
| #2 | 1.628421 | .4281922 | 2.427787 | 5.189796 | 8.723641 | .0917241 |
| #3 | 1.564401 | .4253296 | 2.493790 | 5.153629 | 8.701728 | .0943419 |

Sample Name: K5677-20      Acquired: 11/06/2019 15:22:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLMK6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0027696 | 3.669525 | 2.251817 | .0338706 | 5.241855 | .1191403 |
| Stddev | .0005814 | .006272  | .016369  | .0019826 | .009163  | .0017641 |
| %RSD   | 20.99204 | .1709184 | .7269094 | 5.853407 | .1748066 | 1.480648 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0031040 | 3.663777 | 2.244658 | .0344865 | 5.237865 | .1194321 |
| #2 | .0020982 | 3.668584 | 2.270546 | .0354722 | 5.235363 | .1207403 |
| #3 | .0031065 | 3.676214 | 2.240248 | .0316532 | 5.252336 | .1172486 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .6522479 |
| Stddev | .0005530 |
| %RSD   | .0847877 |

|    |          |
|----|----------|
| #1 | .6527925 |
| #2 | .6522643 |
| #3 | .6516868 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1898.636 | 3823.605 | 41124.05 | 7857.131 | 3832.750 |
| Stddev    | 11.153   | 5.003    | 127.47   | 11.609   | 6.880    |
| %RSD      | .5874200 | .1308452 | .3099531 | .1477562 | .1794983 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1891.341 | 3826.491 | 41175.26 | 7855.935 | 3830.841 |
| #2 | 1911.475 | 3826.496 | 41217.95 | 7846.165 | 3840.382 |
| #3 | 1893.093 | 3817.828 | 40978.95 | 7869.291 | 3827.026 |

Sample Name: K5677-21      Acquired: 11/06/2019 15:26:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJLMM1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0124410 | .0008702 | .0269650 | -.000524 | .0007114 | .0809728 | -.000216 |
| Stddev | .0023223 | .0006101 | .0019008 | .002268  | .0011573 | .0065865 | .000318  |
| %RSD   | 18.66616 | 70.11032 | 7.049107 | 432.9988 | 162.6908 | 8.134253 | 147.4889 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0099067 | .0001660 | .0283533 | .001423  | .0015950 | .0772757 | -.000522 |
| #2 | .0144671 | .0012059 | .0277430 | -.003014 | .0011377 | .0770654 | -.000237 |
| #3 | .0129491 | .0012387 | .0247986 | .000020  | -.000599 | .0885773 | .000113  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001755 | -.000122 | 2.120994 | -.000751 | .0041018 | .0274921 | 12.82149 |
| Stddev | .0000333 | .000041  | .008874  | .000264  | .0003217 | .0036813 | .08014   |
| %RSD   | 18.96269 | 33.29980 | .4183962 | 35.10747 | 7.842283 | 13.39030 | .6250467 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001842 | -.000091 | 2.111762 | -.000899 | .0039348 | .0246177 | 12.76004 |
| #2 | .0001387 | -.000107 | 2.129460 | -.000446 | .0038980 | .0262173 | 12.79231 |
| #3 | .0002036 | -.000168 | 2.121760 | -.000907 | .0044726 | .0316413 | 12.91214 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0086656 | .0813352 | .0145326 | .0003223 | .0699856 | .0002693 | .0075519 |
| Stddev | .0007129 | .0321139 | .0002880 | .0001131 | .0277466 | .0009152 | .0012078 |
| %RSD   | 8.227371 | 39.48342 | 1.981559 | 35.07487 | 39.64609 | 339.8464 | 15.99278 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0079666 | .0919485 | .0148145 | .0003146 | .1018734 | -.000098 | .0068337 |
| #2 | .0086385 | .0452581 | .0145443 | .0002133 | .0513490 | -.000406 | .0089463 |
| #3 | .0093918 | .1067991 | .0142389 | .0004390 | .0567346 | .001311  | .0068757 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -2.29558 | .0173499 | -.001067 | .0002661 | 11.36521 | .0876103 | .0006518 |
| Stddev | .04318   | .0011327 | .000490  | .0004233 | .01845   | .0011068 | .0006439 |
| %RSD   | 1.880885 | 6.528267 | 45.89895 | 159.1131 | .1623369 | 1.263292 | 98.78980 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -2.33747 | .0182621 | -.000916 | -.000071 | 11.38312 | .0883501 | .0003252 |
| #2 | -2.29805 | .0177054 | -.001614 | .000741  | 11.34626 | .0881428 | .0002366 |
| #3 | -2.25122 | .0160821 | -.000670 | .000127  | 11.36625 | .0863379 | .0013935 |

Sample Name: K5677-21      Acquired: 11/06/2019 15:26:18      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MJLMM1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0034275 | -.012155 | .0028583 |
| Stddev | .0005290 | .000696  | .0001052 |
| %RSD   | 15.43415 | 5.723531 | 3.679730 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0035399 | -.011631 | .0027636 |
| #2 | .0028514 | -.012944 | .0029715 |
| #3 | .0038913 | -.011889 | .0028397 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1859.644 | 3780.894 | 39533.79 | 7371.378 | 4117.655 |
| Stddev    | 12.447   | 12.262   | 63.81    | 27.820   | 2.908    |
| %RSD      | .6693211 | .3243196 | .1614099 | .3774069 | .0706229 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1854.222 | 3794.644 | 39479.01 | 7400.159 | 4118.855 |
| #2 | 1850.827 | 3771.092 | 39518.51 | 7369.344 | 4119.771 |
| #3 | 1873.882 | 3776.948 | 39603.86 | 7344.631 | 4114.339 |

Sample Name: CCV047      Acquired: 11/06/2019 15:39:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV047      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.837777 | 4.739766 | 24.36418 | 4.884972 | 4.834381 | 407.2628 | 9.649563 |
| Stddev | .021796  | .014298  | .03232   | .016050  | .008912  | 4.4520   | .015611  |
| %RSD   | .4505401 | .3016552 | .1326565 | .3285513 | .1843538 | 1.093153 | .1617802 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.812933 | 4.730588 | 24.37230 | 4.887194 | 4.832428 | 412.3448 | 9.653646 |
| #2 | 4.846712 | 4.756239 | 24.32858 | 4.867927 | 4.844107 | 405.3926 | 9.662727 |
| #3 | 4.853686 | 4.732469 | 24.39168 | 4.899794 | 4.826606 | 404.0509 | 9.632316 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4745547 | 2.441946 | 391.6189 | 15.00066 | 2.458593 | 14.84001 | 390.8620 |
| Stddev | .0011833 | .004338  | .8359    | .01767   | .003781  | .05725   | 1.2120   |
| %RSD   | .2493475 | .1776324 | .2134428 | .1178108 | .1537806 | .3857534 | .3100940 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4742034 | 2.444095 | 390.6763 | 15.02087 | 2.457592 | 14.89926 | 389.4858 |
| #2 | .4735869 | 2.436954 | 392.2701 | 14.98814 | 2.455413 | 14.83576 | 391.3299 |
| #3 | .4758739 | 2.444790 | 391.9102 | 14.99296 | 2.462773 | 14.78501 | 391.7704 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.22192 | 383.9748 | 2.456563 | 1.217737 | 386.7225 | 2.369083 | 14.75219 |
| Stddev | .02980   | 1.8189   | .002149  | .003306  | .7791    | .012199  | .08162   |
| %RSD   | .2095096 | .4736907 | .0874674 | .2714766 | .2014739 | .5149418 | .5532472 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.19445 | 382.1695 | 2.454082 | 1.217584 | 385.9194 | 2.355318 | 14.80541 |
| #2 | 14.21770 | 383.9481 | 2.457783 | 1.221117 | 387.4752 | 2.378556 | 14.79292 |
| #3 | 14.25360 | 385.8069 | 2.457824 | 1.214510 | 386.7728 | 2.373376 | 14.65822 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 151.6613 | 4.912543 | 4.719232 | 4.863222 | 5.001449 | 4.685885 | 4.902142 |
| Stddev | .5424    | .013712  | .013095  | .002231  | .003318  | .006987  | .006177  |
| %RSD   | .3576510 | .2791129 | .2774721 | .0458709 | .0663417 | .1491069 | .1260035 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 152.0819 | 4.901577 | 4.716600 | 4.864415 | 5.001318 | 4.686348 | 4.895554 |
| #2 | 151.8529 | 4.927916 | 4.707653 | 4.860648 | 5.004830 | 4.678678 | 4.907803 |
| #3 | 151.0491 | 4.908135 | 4.733442 | 4.864603 | 4.998197 | 4.692629 | 4.903069 |



Sample Name: CCV047      Acquired: 11/06/2019 15:39:54      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCV047      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.025021 | 4.991753 | 5.061496 |
| Stddev | .020171  | .013700  | .021859  |
| %RSD   | .4014019 | .2744625 | .4318637 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.048044 | 5.007385 | 5.067581 |
| #2 | 5.010458 | 4.986044 | 5.079667 |
| #3 | 5.016561 | 4.981831 | 5.037239 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1536.602 | 3175.279 | 35207.87 | 6852.212 | 3199.889 |
| Stddev    | 7.384    | 4.750    | 133.38   | 14.190   | 3.378    |
| %RSD      | .4805493 | .1495800 | .3788288 | .2070878 | .1055726 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1541.092 | 3170.311 | 35248.28 | 6867.258 | 3196.055 |
| #2 | 1528.080 | 3179.775 | 35058.97 | 6850.308 | 3201.184 |
| #3 | 1540.635 | 3175.750 | 35316.38 | 6839.070 | 3202.428 |

Sample Name: CCB047      Acquired: 11/06/2019 15:43:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB047      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000757 | .0011458 | .0028445 | .0016294 | .0008903 | .0053581 | -.000487 |
| Stddev | .001754  | .0003555 | .0004806 | .0023926 | .0016769 | .0073240 | .000415  |
| %RSD   | 231.6381 | 31.02896 | 16.89701 | 146.8412 | 188.3542 | 136.6904 | 85.14587 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000527  | .0015526 | .0025010 | .0043917 | -.000792 | .0089445 | -.000857 |
| #2 | -.002756 | .0008947 | .0026388 | .0002080 | .000900  | .0101977 | -.000567 |
| #3 | -.000042 | .0009901 | .0033938 | .0002884 | .002562  | -.003068 | -.000038 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000273 | -.000019 | .0081696 | -.000195 | -.000025 | .0012102 | .0123508 |
| Stddev | .0000379 | .000029  | .0112431 | .000619  | .000011  | .0006075 | .0037758 |
| %RSD   | 138.8973 | 151.3220 | 137.6221 | 317.2335 | 43.52781 | 50.20046 | 30.57150 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000006 | -.000053 | .0209408 | .000492  | -.000029 | .0005211 | .0080494 |
| #2 | .000019  | .000001  | -.000236 | -.000710 | -.000013 | .0016685 | .0138849 |
| #3 | .000069  | -.000006 | .003804  | -.000367 | -.000033 | .0014410 | .0151180 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000034 | .0421736 | .0002011 | .0000801 | -.190689 | -.000134 | -.005697 |
| Stddev | .000239  | .0180033 | .0001852 | .0003331 | .046834  | .003271  | .002554  |
| %RSD   | 707.2473 | 42.68865 | 92.08695 | 415.5443 | 24.56027 | 2433.468 | 44.82227 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000133  | .0611483 | .0003364 | -.000227 | -.224403 | -.002126 | -.005612 |
| #2 | -.000308 | .0400406 | -.000010 | .000033  | -.137213 | -.001919 | -.008292 |
| #3 | .000074  | .0253317 | .000277  | .000434  | -.210450 | .003641  | -.003187 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.218053 | .0010122 | .0042301 | .0004903 | -.001898 | -.004437 | -.002952 |
| Stddev | .028144  | .0002964 | .0014148 | .0002172 | .002891  | .000669  | .000426  |
| %RSD   | 12.90690 | 29.28296 | 33.44668 | 44.30345 | 152.3710 | 15.07370 | 14.41495 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.216055 | .0010043 | .0058328 | .0007395 | .000821  | -.003718 | -.003259 |
| #2 | -.247143 | .0013126 | .0037037 | .0003901 | -.004935 | -.005041 | -.002466 |
| #3 | -.190962 | .0007199 | .0031540 | .0003412 | -.001578 | -.004550 | -.003131 |

Sample Name: CCB047      Acquired: 11/06/2019 15:43:55      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v999)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB047      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0010876 | .0014496 | .0000173 |
| Stddev | .0014770 | .0010811 | .0000124 |
| %RSD   | 135.7934 | 74.58428 | 71.84512 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0014063 | .0013401 | .0000260 |
| #2 | .0023793 | .0025813 | .0000031 |
| #3 | -.000523 | .0004273 | .0000229 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1813.605 | 3673.333 | 38589.06 | 7143.369 | 3996.543 |
| Stddev    | 4.072    | 1.880    | 128.05   | 59.509   | 2.123    |
| %RSD      | .2245136 | .0511916 | .3318224 | .8330595 | .0531249 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1817.562 | 3674.695 | 38540.88 | 7074.654 | 3994.558 |
| #2 | 1813.826 | 3671.188 | 38734.21 | 7177.647 | 3998.782 |
| #3 | 1809.427 | 3674.117 | 38492.10 | 7177.805 | 3996.288 |