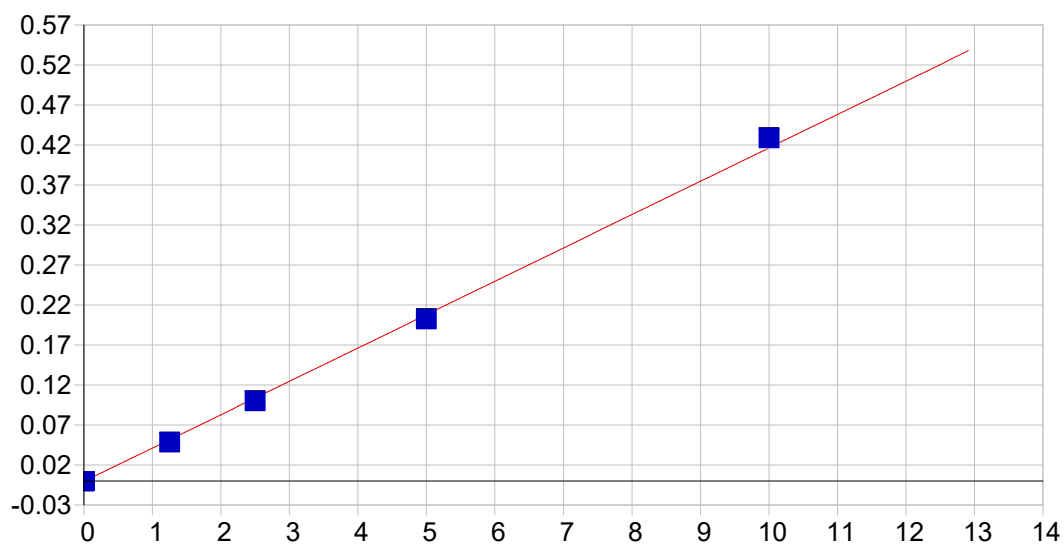


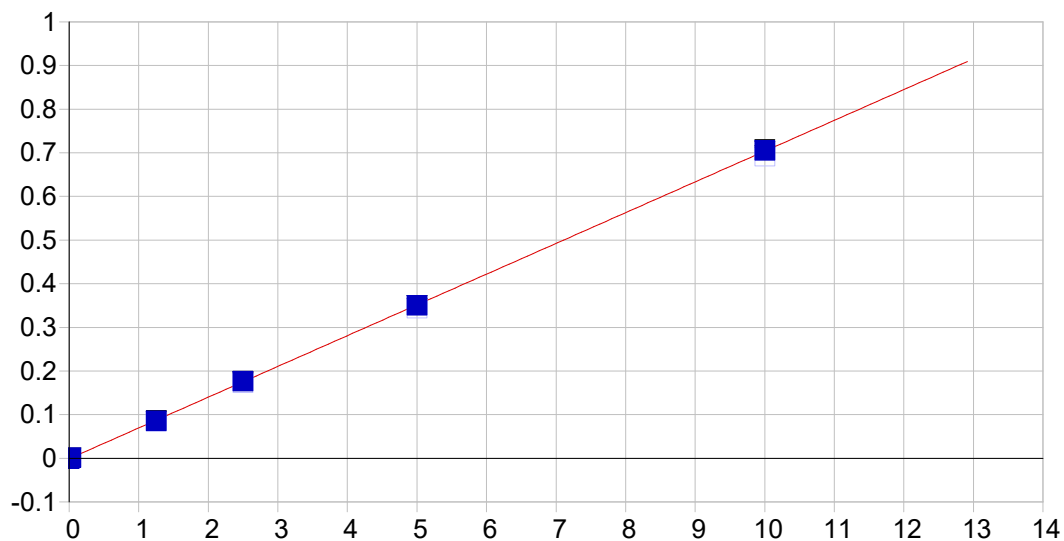


### As 189.042 {479}

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000539 Re-Slope: 1.000000  
 A1 (Gain): 0.041692 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999464 Status: OK.  
 Std Error of Est: 0.000023  
 Predicted MDL: 0.002917  
 Predicted MQL: 0.009722

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00054 | .000    | 1        |
| S1        | .01000       | .01142      | .001       | 14.2    | -.00006 | .000    | 1        |
| S2        | 1.2500       | 1.1742      | -.076      | -6.06   | .04823  | .000    | 1        |
| S3        | 2.5000       | 2.4103      | -.090      | -3.59   | .09958  | .000    | 1        |
| S4        | 5.0000       | 4.8707      | -.129      | -2.59   | .20179  | .000    | 1        |
| S5        | 10.000       | 10.293      | .293       | 2.93    | .42713  | .001    | 1        |

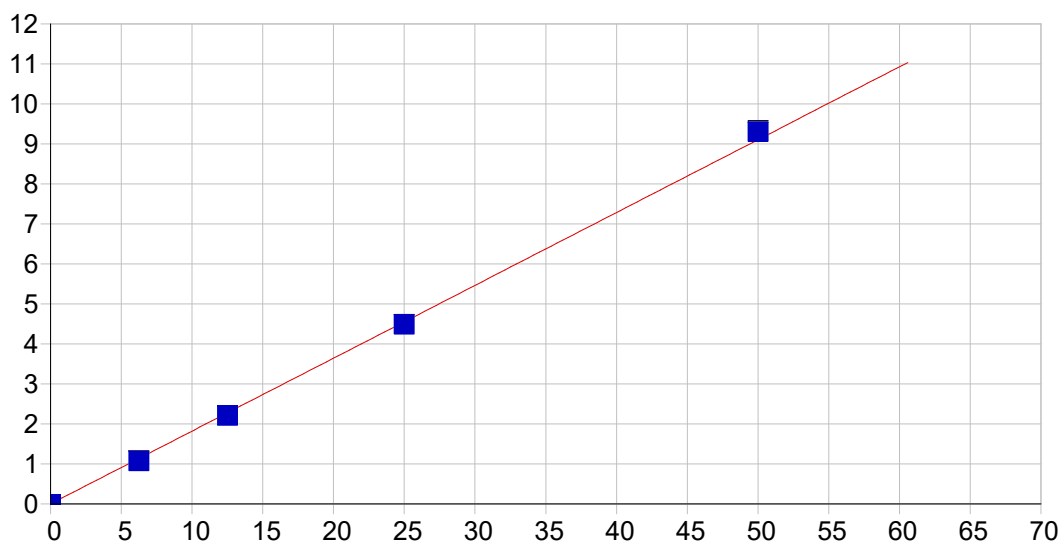


**TI 190.856 {477}**

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001007 Re-Slope: 1.000000  
 A1 (Gain): 0.070494 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999980 Status: OK.  
 Std Error of Est: 0.000012  
 Predicted MDL: 0.001754  
 Predicted MQL: 0.005848

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00101 | .000    | 1        |
| S1        | .02500       | .02735      | .002       | 9.40    | .00085  | .000    | 1        |
| S2        | 1.2500       | 1.2303      | -.020      | -1.58   | .08410  | .000    | 1        |
| S3        | 2.5000       | 2.5161      | .016       | .642    | .17311  | .000    | 1        |
| S4        | 5.0000       | 4.9826      | -.017      | -.348   | .34374  | .000    | 1        |
| S5        | 10.000       | 10.019      | .019       | .188    | .69226  | .002    | 1        |

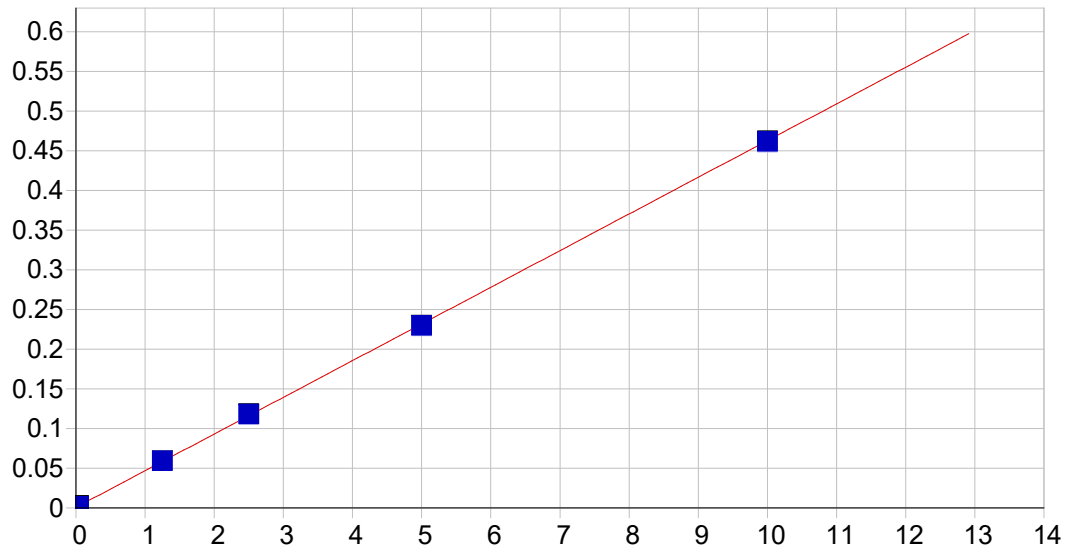


### Pb 220.353 {453}

Date of Fit: 05/02/2019 12:27:47      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000265      Re-Slope: 1.000000  
 A1 (Gain): 0.182110      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999670      Status: OK.  
 Std Error of Est: 0.000175  
 Predicted MDL: 0.001568  
 Predicted MQL: 0.005228

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00026 | .000    | 1        |
| S1        | .01000       | .01067      | .001       | 6.71    | .00221 | .000    | 1        |
| S2        | 6.2500       | 5.9012      | -.349      | -5.58   | 1.0748 | .001    | 1        |
| S3        | 12.500       | 12.107      | -.393      | -3.14   | 2.2049 | .001    | 1        |
| S4        | 25.000       | 24.632      | -.368      | -1.47   | 4.4856 | .004    | 1        |
| S5        | 50.000       | 51.108      | 1.11       | 2.22    | 9.3067 | .022    | 1        |

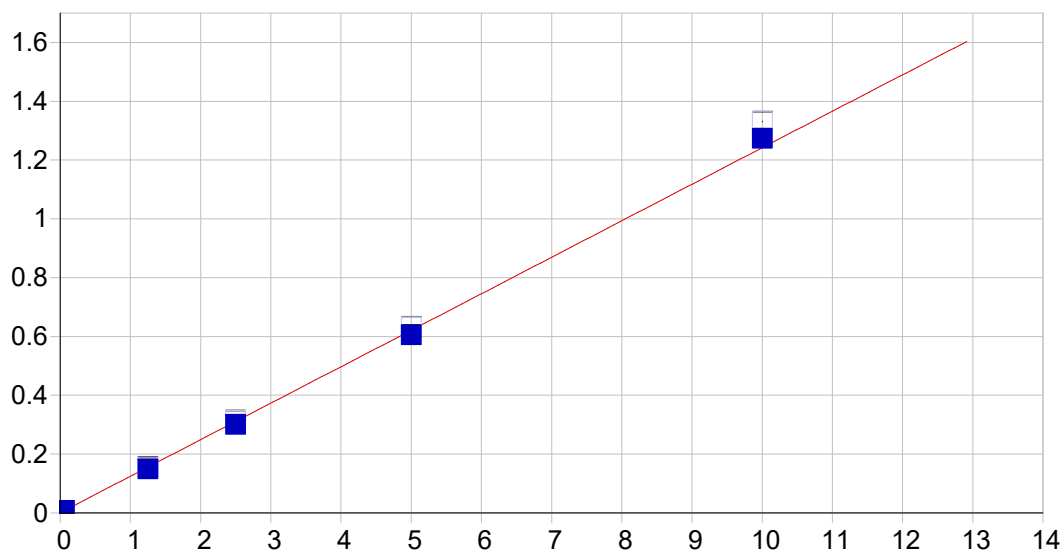


**Se 196.090 {472}**

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000700 Re-Slope: 1.000000  
 A1 (Gain): 0.046225 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999934 Status: OK.  
 Std Error of Est: 0.000017  
 Predicted MDL: 0.003167  
 Predicted MQL: 0.010558

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00070 | .000    | 1        |
| S1        | .03500       | .04139      | .006       | 18.3    | .00261 | .000    | 1        |
| S2        | 1.2500       | 1.2680      | .018       | 1.44    | .05916 | .000    | 1        |
| S3        | 2.5000       | 2.5403      | .040       | 1.61    | .11782 | .000    | 1        |
| S4        | 5.0000       | 4.9582      | -.042      | -.837   | .22928 | .001    | 1        |
| S5        | 10.000       | 9.9771      | -.023      | -.229   | .46067 | .001    | 1        |

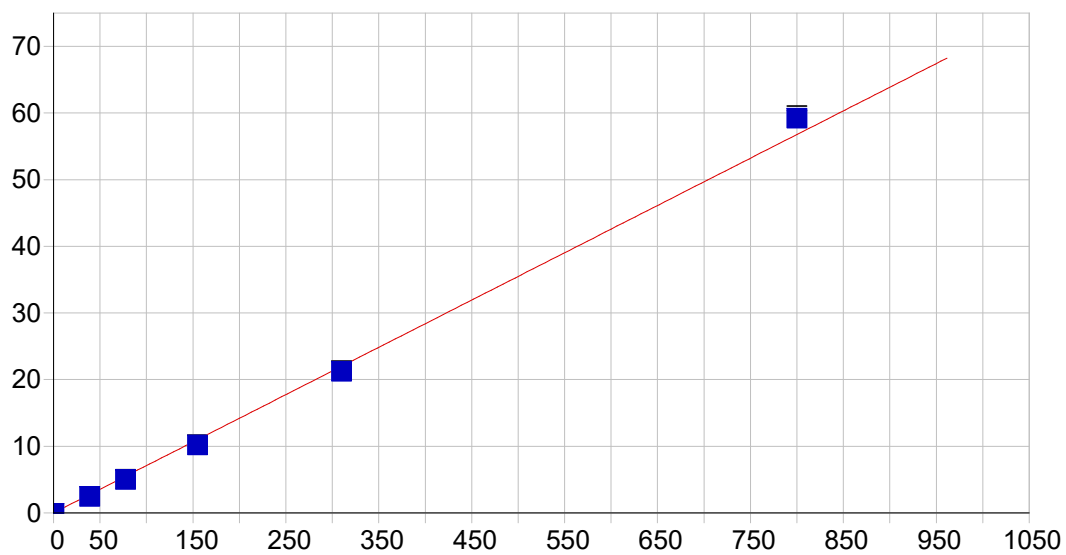


**Sb 206.833 {463}**

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000672 Re-Slope: 1.000000  
 A1 (Gain): 0.124115 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999581 Status: OK.  
 Std Error of Est: 0.000155  
 Predicted MDL: 0.001684  
 Predicted MQL: 0.005615

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00067 | .000    | 1        |
| S1        | .06000       | .07088      | .011       | 18.1    | .00947 | .000    | 1        |
| S2        | 1.2500       | 1.1941      | -.056      | -4.47   | .15602 | .001    | 1        |
| S3        | 2.5000       | 2.4171      | -.083      | -3.32   | .31495 | .001    | 1        |
| S4        | 5.0000       | 4.8704      | -.130      | -2.59   | .63374 | .001    | 1        |
| S5        | 10.000       | 10.258      | .258       | 2.58    | 1.3310 | .001    | 1        |

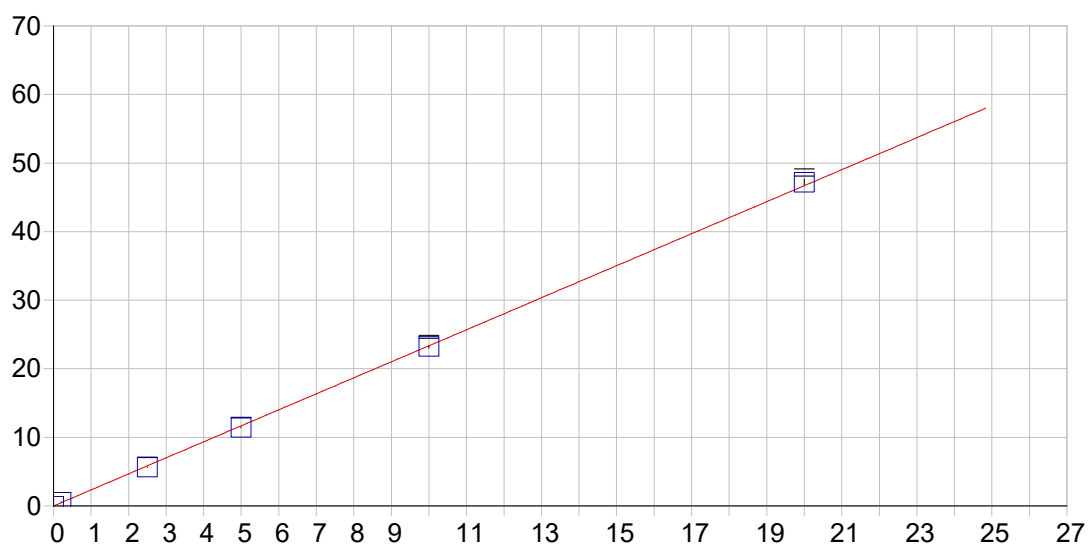


AI 396.152 { 85}

Date of Fit: 05/02/2019 12:27:47      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.003032 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.070967 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.998611 | Status:   | OK.      |
| Std Error of Est: | 0.002331 |           |          |
| Predicted MDL:    | 0.009518 |           |          |
| Predicted MQL:    | 0.031727 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00005      | .000       | .000    | .00304 | .000    | 1        |
| S1        | .20000       | .20837      | .008       | 4.18    | .01806 | .001    | 1        |
| S2        | 38.750       | 34.484      | -4.27      | -11.0   | 2.4557 | .006    | 1        |
| S3        | 77.500       | 70.418      | -7.08      | -9.14   | 5.0113 | .008    | 1        |
| S4        | 155.00       | 143.41      | -11.6      | -7.48   | 10.202 | .032    | 1        |
| S5        | 310.00       | 298.75      | -11.2      | -3.63   | 21.248 | .128    | 1        |
| S6        | 800.00       | 834.22      | 34.2       | 4.28    | 59.241 | .355    | 1        |

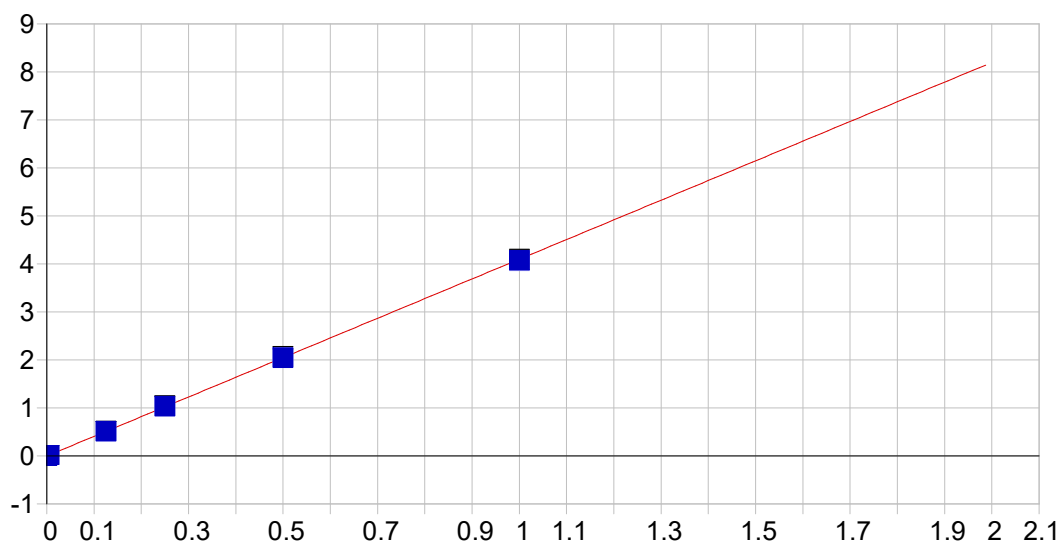


**Ba 493.409 { 68}**

Date of Fit: 05/02/2019 12:27:47      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.004750 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 2.334800 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999838 | Status:   | OK.      |
| Std Error of Est: | 0.004462 |           |          |
| Predicted MDL:    | 0.000546 |           |          |
| Predicted MQL:    | 0.001818 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00470 | .000    | 1        |
| S1        | .20000       | .23100      | .031       | 15.5    | .54410 | .004    | 1        |
| S2        | 2.5000       | 2.4132      | -.087      | -3.47   | 5.6391 | .027    | 1        |
| S3        | 5.0000       | 4.9038      | -.096      | -1.92   | 11.454 | .048    | 1        |
| S4        | 10.000       | 9.9428      | -.057      | -.572   | 23.219 | .200    | 1        |
| S5        | 20.000       | 20.209      | .209       | 1.05    | 47.189 | .521    | 1        |

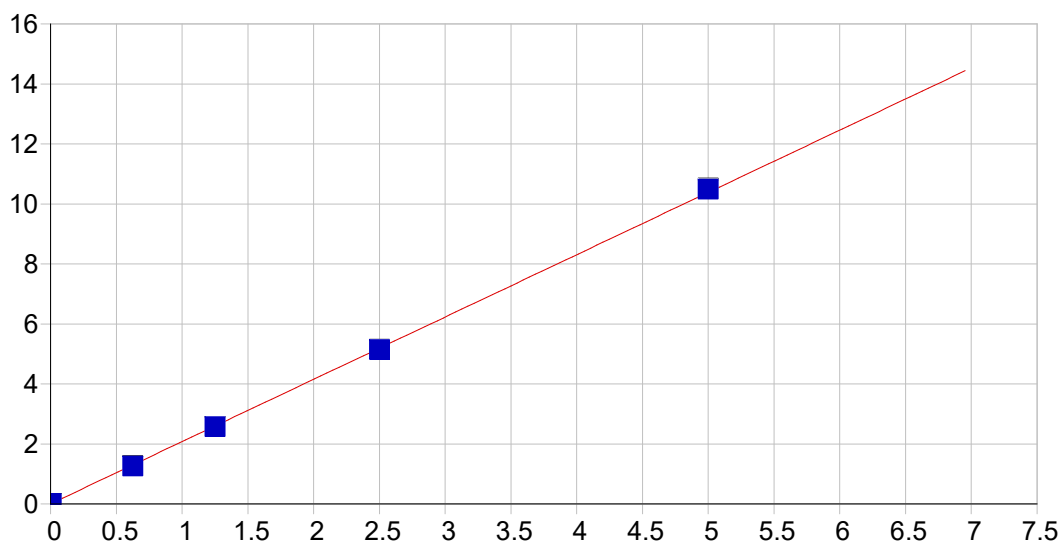


**Be 234.861 {144}**

Date of Fit: 05/02/2019 12:27:47      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.003219 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 4.099990  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999943  | Status:   | OK.      |
| Std Error of Est: | 0.000163  |           |          |
| Predicted MDL:    | 0.000071  |           |          |
| Predicted MQL:    | 0.000235  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00322 | .000    | 1        |
| S1        | .00500       | .00580      | .001       | 16.1    | .02056  | .000    | 1        |
| S2        | .12500       | .12551      | .001       | .406    | .50966  | .003    | 1        |
| S3        | .25000       | .25358      | .004       | 1.43    | 1.0331  | .008    | 1        |
| S4        | .50000       | .50046      | .000       | .092    | 2.0419  | .022    | 1        |
| S5        | 1.0000       | .99464      | -.005      | -.536   | 4.0612  | .027    | 1        |

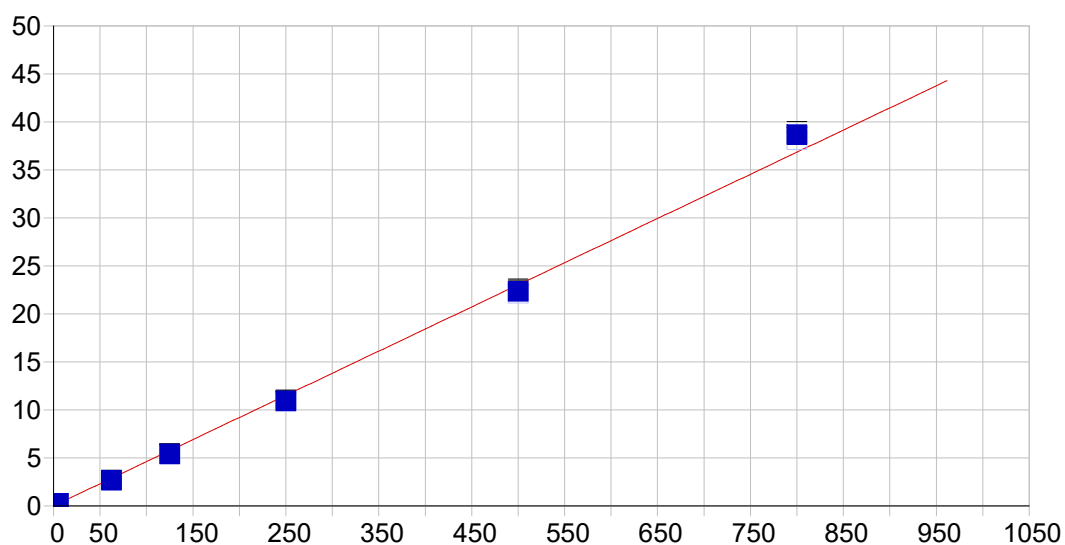


### Cd 214.438 {457}

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000261 Re-Slope: 1.000000  
 A1 (Gain): 2.076554 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999927 Status: OK.  
 Std Error of Est: 0.000210  
 Predicted MDL: 0.000087  
 Predicted MQL: 0.000289

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR    | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|----------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00026   | .000    | 1        |
| S1        | .00500       | .00534      | .000       | 6.70    | .01135   | .000    | 1        |
| S2        | .02500       | .026725     | -.018      | -2.84   | 0.02632  | .002    | 1        |
| S3        | 0.12500      | 0.12385     | -.011      | -.918   | 0.125761 | .003    | 1        |
| S4        | 0.25000      | 0.24773     | -.023      | -.908   | 0.251525 | .004    | 1        |
| S5        | 0.50000      | 0.50516     | .052       | 1.03    | 0.50305  | .024    | 1        |

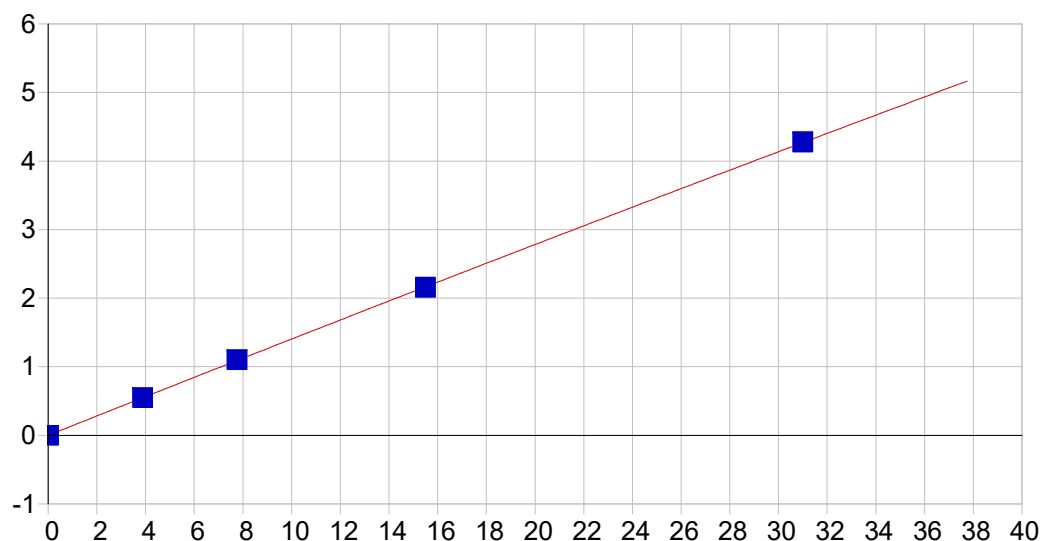


Ca 373.690 { 90}

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000868 Re-Slope: 1.000000  
 A1 (Gain): 0.046059 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998825 Status: OK.  
 Std Error of Est: 0.007709  
 Predicted MDL: 0.012433  
 Predicted MQL: 0.041443

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00020      | .000       | .000    | .00088 | .000    | 1        |
| S1        | 5.0000       | 5.6470      | .647       | 12.9    | .26090 | .002    | 1        |
| S2        | 62.500       | 57.808      | -4.69      | -7.51   | 2.6377 | .015    | 1        |
| S3        | 125.00       | 117.26      | -7.74      | -6.19   | 5.3504 | .038    | 1        |
| S4        | 250.00       | 237.10      | -12.9      | -5.16   | 10.819 | .115    | 1        |
| S5        | 500.00       | 485.10      | -14.9      | -2.98   | 22.138 | .266    | 1        |
| S6        | 800.00       | 839.82      | 39.8       | 4.98    | 38.133 | .308    | 1        |

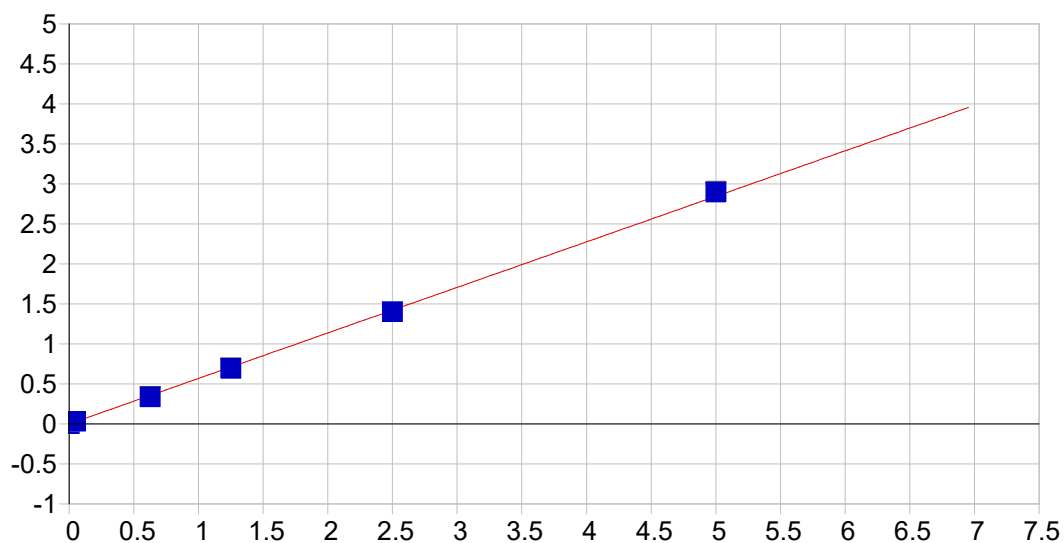


### Cr 267.716 {126}

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.000047 Re-Slope: 1.000000  
 A1 (Gain): 0.141715 Y-int: 0.000000  
 A2 (Curvature): -0.000129  
 n (Exponent): 1.000000  
 Correlation: 0.999989 Status: OK.  
 Std Error of Est: 0.000023  
 Predicted MDL: 0.000531  
 Predicted MQL: 0.001771

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00005 | .000    | 1        |
| S1        | .01000       | .01226      | .002       | 22.6    | .00179 | .000    | 1        |
| S2        | 3.8750       | 3.8747      | -.000      | -.008   | .54790 | .001    | 1        |
| S3        | 7.7500       | 7.8010      | .051       | .658    | 1.0991 | .005    | 1        |
| S4        | 15.500       | 15.418      | -.082      | -.527   | 2.1572 | .004    | 1        |
| S5        | 31.000       | 31.029      | .029       | .093    | 4.2790 | .007    | 1        |

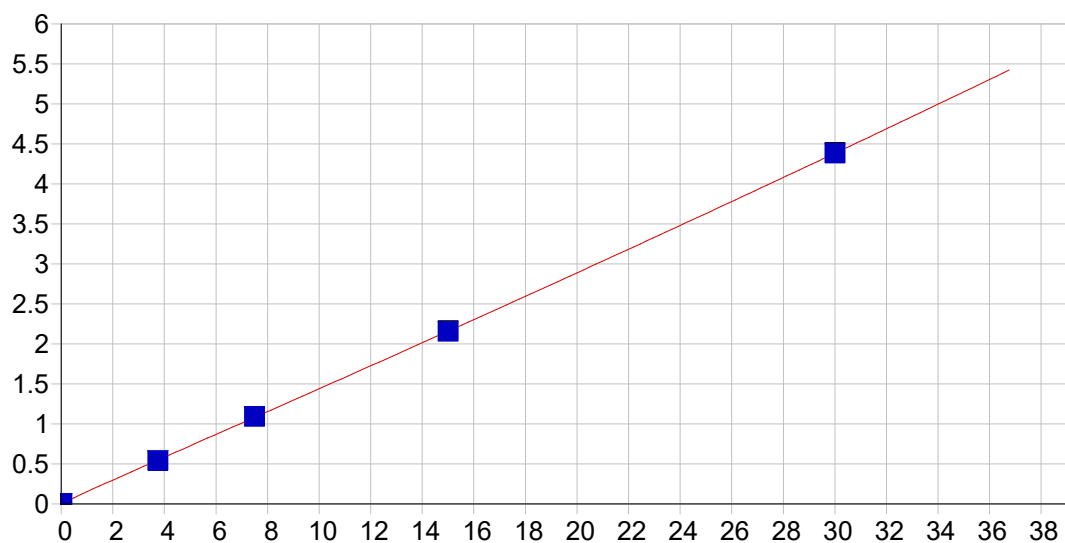


Co 228.616 {448}

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000403 Re-Slope: 1.000000  
 A1 (Gain): 0.568948 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999739 Status: OK.  
 Std Error of Est: 0.000346  
 Predicted MDL: 0.000299  
 Predicted MQL: 0.000997

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00040 | .000    | 1        |
| S1        | .05000       | .05458      | .005       | 9.16    | .03075  | .000    | 1        |
| S2        | .62500       | .59315      | -.032      | -5.10   | .33763  | .000    | 1        |
| S3        | 1.2500       | 1.2203      | -.030      | -2.38   | .69502  | .001    | 1        |
| S4        | 2.5000       | 2.4648      | -.035      | -1.41   | 1.4042  | .002    | 1        |
| S5        | 5.0000       | 5.0922      | .092       | 1.84    | 2.9013  | .006    | 1        |

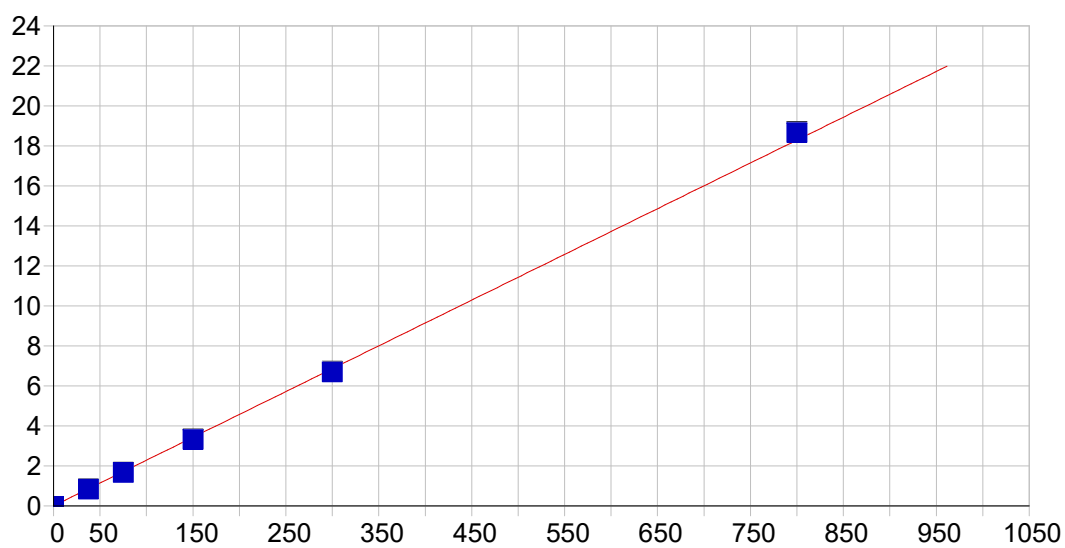


**Cu 324.754 {104}**

Date of Fit: 05/02/2019 12:27:47      Type of Fit: Full Fit      Weighting: 1/Conc

|                   |          |           |                                 |
|-------------------|----------|-----------|---------------------------------|
| A0 (Offset):      | 0.002127 | Re-Slope: | 1.000000                        |
| A1 (Gain):        | 0.149910 | Y-int:    | 0.000000                        |
| A2 (Curvature):   | 0.000437 |           |                                 |
| n (Exponent):     | 0.970000 |           |                                 |
| Correlation:      | 0.999988 | Status:   | Warning      Positive Curvature |
| Std Error of Est: | 0.000047 |           |                                 |
| Predicted MDL:    | 0.002575 |           |                                 |
| Predicted MQL:    | 0.008584 |           |                                 |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00213 | .000    | 1        |
| S1        | .02500       | .02781      | .003       | 11.2    | .00676 | .000    | 1        |
| S2        | 3.7500       | 3.7032      | -.047      | -1.25   | .54101 | .003    | 1        |
| S3        | 7.5000       | 7.5564      | .056       | .752    | 1.0895 | .003    | 1        |
| S4        | 15.000       | 14.992      | -.008      | -.055   | 2.1560 | .005    | 1        |
| S5        | 30.000       | 29.996      | -.004      | -.013   | 4.3799 | .009    | 1        |

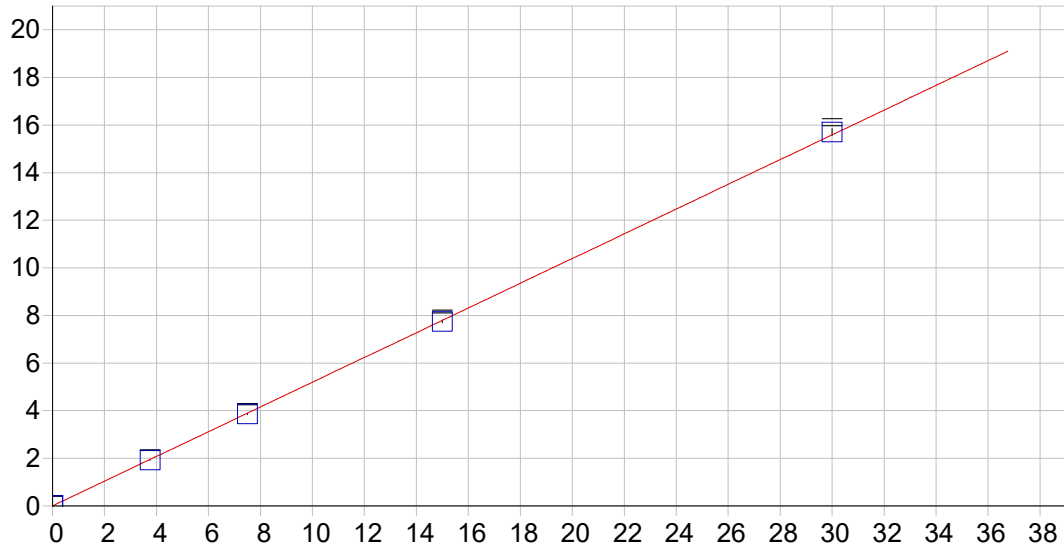


### Fe 259.837 {130}

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000711 Re-Slope: 1.000000  
 A1 (Gain): 0.022865 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999709 Status: OK.  
 Std Error of Est: 0.000241  
 Predicted MDL: 0.008630  
 Predicted MQL: 0.028768

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00071 | .000    | 1        |
| S1        | .10000       | .12013      | .020       | 20.1    | .00355 | .000    | 1        |
| S2        | 37.500       | 36.325      | -1.18      | -3.13   | .83306 | .003    | 1        |
| S3        | 75.000       | 72.928      | -2.07      | -2.76   | 1.6718 | .012    | 1        |
| S4        | 150.00       | 144.91      | -5.09      | -3.40   | 3.3211 | .016    | 1        |
| S5        | 300.00       | 292.24      | -7.76      | -2.59   | 6.6971 | .039    | 1        |
| S6        | 800.00       | 816.09      | 16.1       | 2.01    | 18.684 | .043    | 1        |

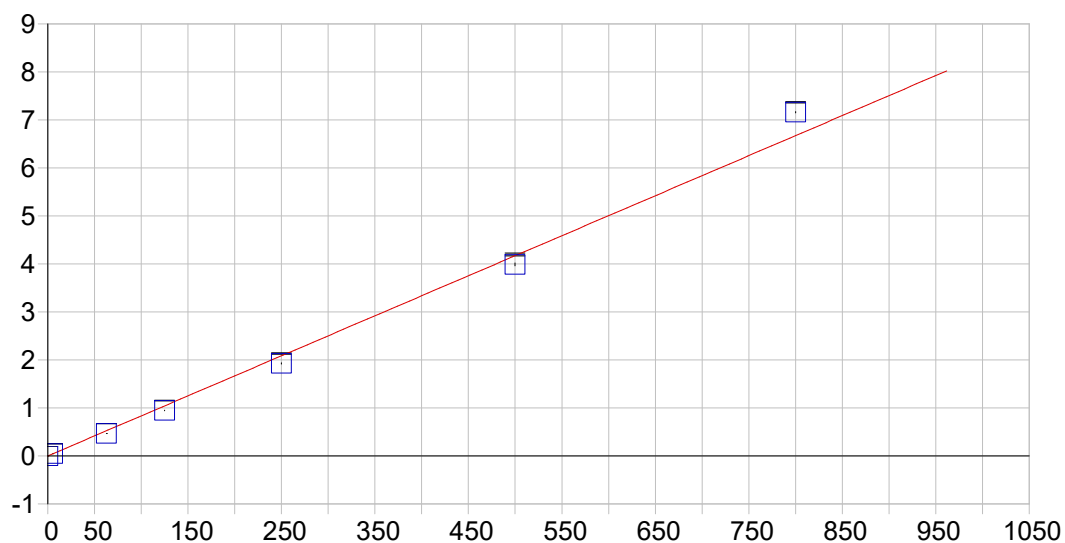


### Mn 257.610 {131}

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000585 Re-Slope: 1.000000  
 A1 (Gain): 0.519624 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999963 Status: OK.  
 Std Error of Est: 0.000158  
 Predicted MDL: 0.000402  
 Predicted MQL: 0.001341

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00058 | .000    | 1        |
| S1        | .01500       | .01853      | .004       | 23.5    | .01021 | .000    | 1        |
| S2        | 3.7500       | 3.7060      | -.044      | -1.17   | 1.9263 | .012    | 1        |
| S3        | 7.5000       | 7.4235      | -.076      | -1.02   | 3.8580 | .031    | 1        |
| S4        | 15.000       | 14.909      | -.091      | -.608   | 7.7475 | .063    | 1        |
| S5        | 30.000       | 30.208      | .208       | .694    | 15.697 | .149    | 1        |

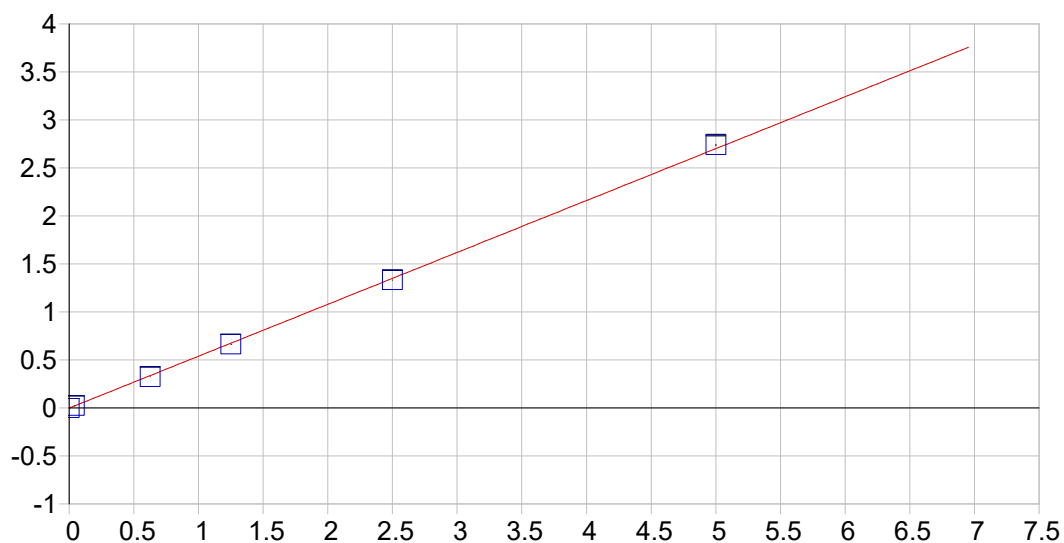


### Mg 279.079 {121}

Date of Fit: 05/02/2019 12:27:47      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000021 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.008340  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.997594  | Status:   | OK.      |
| Std Error of Est: | 0.002023  |           |          |
| Predicted MDL:    | 0.026180  |           |          |
| Predicted MQL:    | 0.087266  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00076      | .001       | .000    | -.00001 | .000    | 1        |
| S1        | 5.0000       | 5.4553      | .455       | 9.11    | .04548  | .000    | 1        |
| S2        | 62.500       | 55.908      | -6.59      | -10.5   | .46628  | .002    | 1        |
| S3        | 125.00       | 113.72      | -11.3      | -9.03   | .94844  | .008    | 1        |
| S4        | 250.00       | 230.99      | -19.0      | -7.60   | 1.9265  | .013    | 1        |
| S5        | 500.00       | 478.09      | -21.9      | -4.38   | 3.9874  | .030    | 1        |
| S6        | 800.00       | 858.34      | 58.3       | 7.29    | 7.1589  | .013    | 1        |

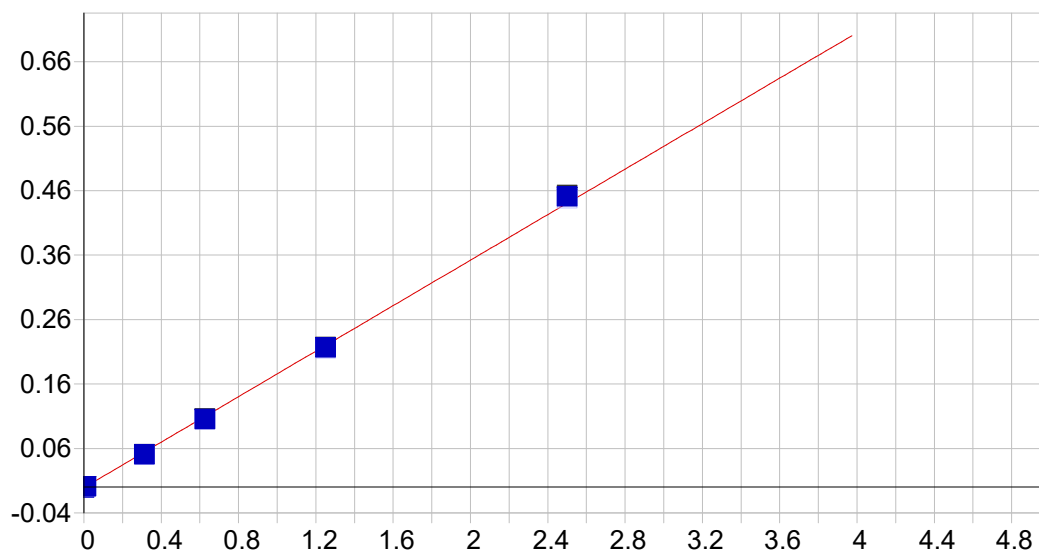


# **Ni 231.604 {446}**

Date of Fit: 05/02/2019 12:27:47      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.001551 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.540429  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999809  | Status:   | OK.      |
| Std Error of Est: | 0.000251  |           |          |
| Predicted MDL:    | 0.000411  |           |          |
| Predicted MQL:    | 0.001369  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00155 | .000    | 1        |
| S1        | .04000       | .04635      | .006       | 15.9    | .02350  | .000    | 1        |
| S2        | .62500       | .60248      | -.023      | -3.60   | .32404  | .001    | 1        |
| S3        | 1.2500       | 1.2289      | -.021      | -1.69   | .66256  | .000    | 1        |
| S4        | 2.5000       | 2.4671      | -.033      | -1.32   | 1.3317  | .002    | 1        |
| S5        | 5.0000       | 5.0702      | .070       | 1.40    | 2.7386  | .008    | 1        |

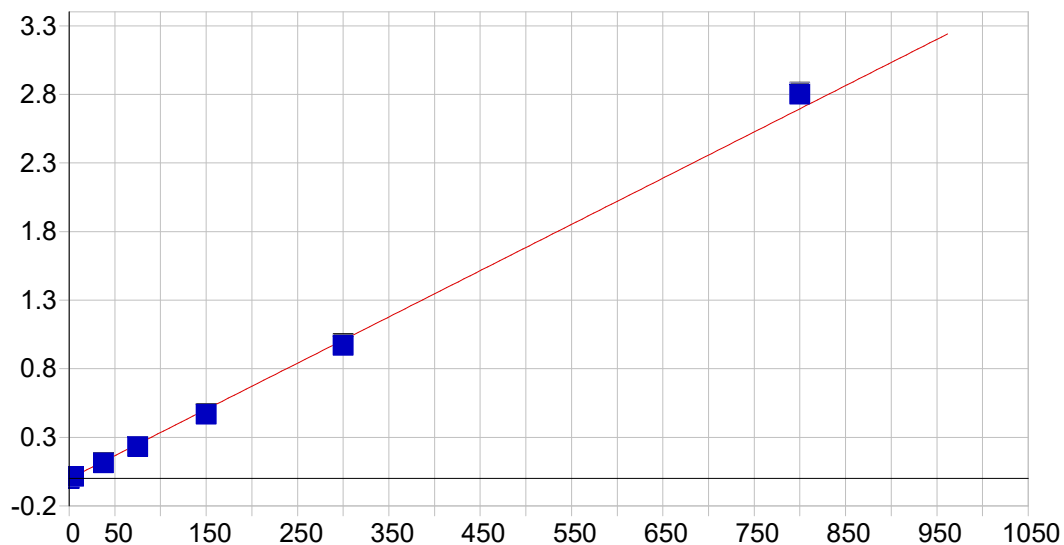


**Ag 328.068 {103}**

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000826 Re-Slope: 1.000000  
 A1 (Gain): 0.176512 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999562 Status: OK.  
 Std Error of Est: 0.000044  
 Predicted MDL: 0.000619  
 Predicted MQL: 0.002063

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00083 | .000    | 1        |
| S1        | .01000       | .01109      | .001       | 10.9    | .00112  | .000    | 1        |
| S2        | .31250       | .29156      | -.021      | -6.70   | .05028  | .000    | 1        |
| S3        | .62500       | .60246      | -.023      | -3.61   | .10480  | .000    | 1        |
| S4        | 1.2500       | 1.2319      | -.018      | -1.45   | .21518  | .001    | 1        |
| S5        | 2.5000       | 2.5605      | .060       | 2.42    | .44826  | .002    | 1        |

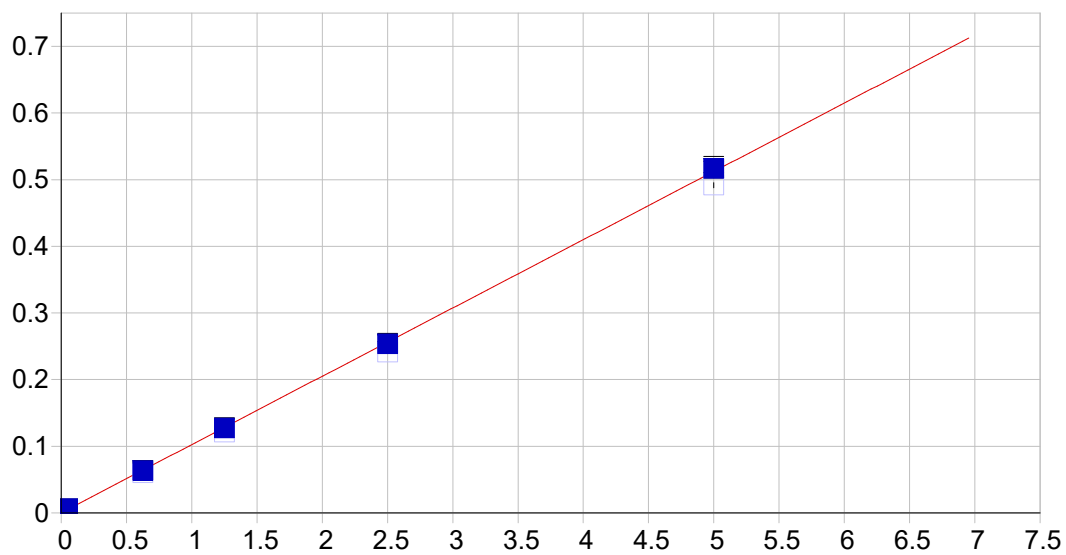


**Na 818.326 { 41}**

Date of Fit: 05/02/2019 12:27:47      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.002344 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.003372  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.998843  | Status:   | OK.      |
| Std Error of Est: | 0.000504  |           |          |
| Predicted MDL:    | 0.316588  |           |          |
| Predicted MQL:    | 1.055292  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00083      | .001       | .000    | -.00234 | .000    | 1        |
| S1        | 5.0000       | 5.3522      | .352       | 7.04    | .01570  | .001    | 1        |
| S2        | 37.500       | 34.225      | -3.27      | -8.73   | .11362  | .001    | 1        |
| S3        | 75.000       | 69.125      | -5.87      | -7.83   | .23186  | .001    | 1        |
| S4        | 150.00       | 139.33      | -10.7      | -7.11   | .46971  | .004    | 1        |
| S5        | 300.00       | 288.32      | -11.7      | -3.89   | .97433  | .009    | 1        |
| S6        | 800.00       | 831.15      | 31.1       | 3.89    | 2.8122  | .003    | 1        |

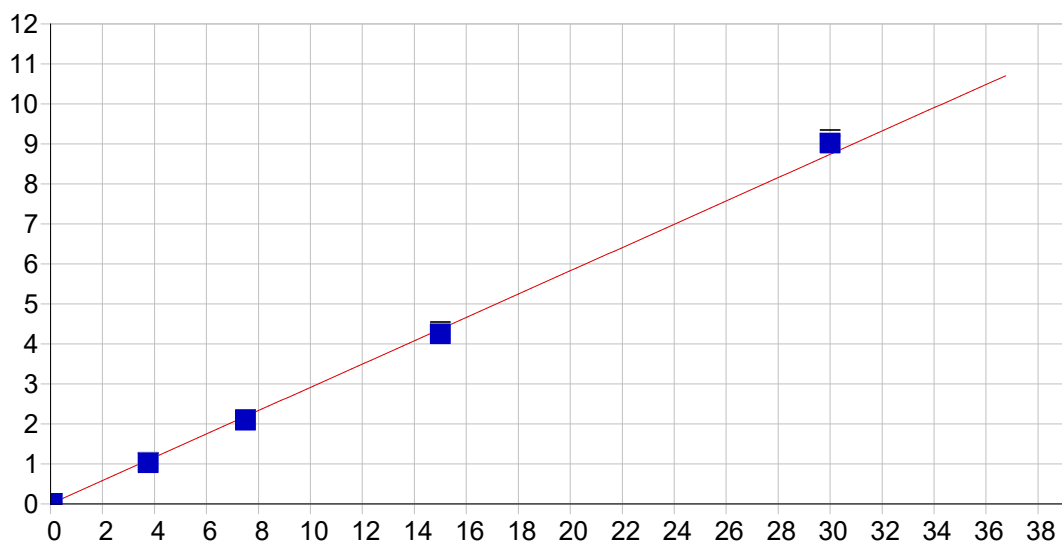


**V 292.402 {115}**

Date of Fit: 05/02/2019 12:27:47      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000137 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.102445 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999845 | Status:   | OK.      |
| Std Error of Est: | 0.000046 |           |          |
| Predicted MDL:    | 0.002843 |           |          |
| Predicted MQL:    | 0.009477 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00014 | .000    | 1        |
| S1        | .05000       | .05939      | .009       | 18.8    | .00621 | .000    | 1        |
| S2        | .62500       | .61500      | -.010      | -1.60   | .06007 | .000    | 1        |
| S3        | 1.2500       | 1.2389      | -.011      | -.887   | .12092 | .001    | 1        |
| S4        | 2.5000       | 2.4717      | -.028      | -1.13   | .24108 | .001    | 1        |
| S5        | 5.0000       | 5.0395      | .040       | .790    | .49185 | .004    | 1        |

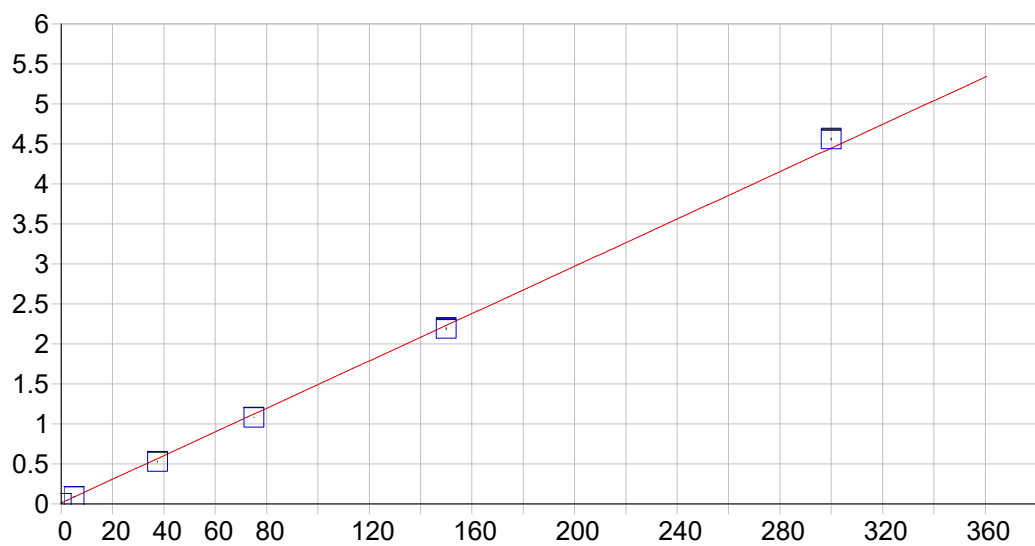


### Zn 213.856 {158}

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001749 Re-Slope: 1.000000  
 A1 (Gain): 0.291257 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999377 Status: OK.  
 Std Error of Est: 0.000733  
 Predicted MDL: 0.001538  
 Predicted MQL: 0.005126

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00175 | .000    | 1        |
| S1        | .06000       | .06603      | .006       | 10.0    | .02103 | .001    | 1        |
| S2        | 3.7500       | 3.5204      | -.230      | -6.12   | 1.0289 | .009    | 1        |
| S3        | 7.5000       | 7.1750      | -.325      | -4.33   | 2.0951 | .018    | 1        |
| S4        | 15.000       | 14.591      | -.409      | -2.73   | 4.2587 | .042    | 1        |
| S5        | 30.000       | 30.957      | .957       | 3.19    | 9.0326 | .075    | 1        |

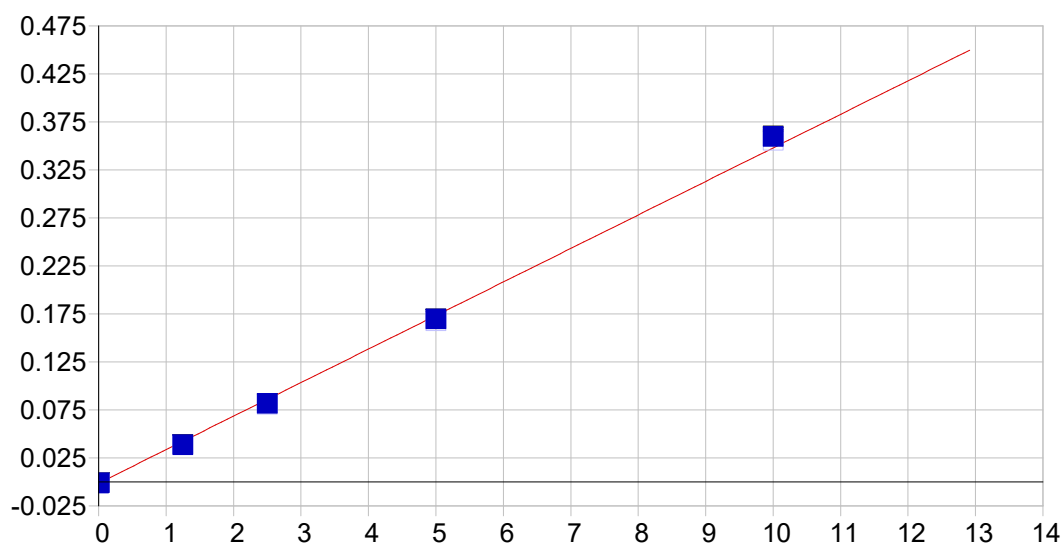


K 769.896 { 44 }

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.012799 Re-Slope: 1.000000  
 A1 (Gain): 0.014786 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999501 Status: OK.  
 Std Error of Est: 0.000963  
 Predicted MDL: 0.074938  
 Predicted MQL: 0.249793

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00011      | .000       | .000    | .01280 | .000    | 1        |
| S1        | 5.0000       | 5.3958      | .396       | 7.92    | .09258 | .001    | 1        |
| S2        | 37.500       | 34.806      | -2.69      | -7.18   | .52743 | .003    | 1        |
| S3        | 75.000       | 72.247      | -2.75      | -3.67   | 1.0810 | .002    | 1        |
| S4        | 150.00       | 147.40      | -2.60      | -1.74   | 2.1921 | .012    | 1        |
| S5        | 300.00       | 307.66      | 7.66       | 2.55    | 4.5617 | .012    | 1        |

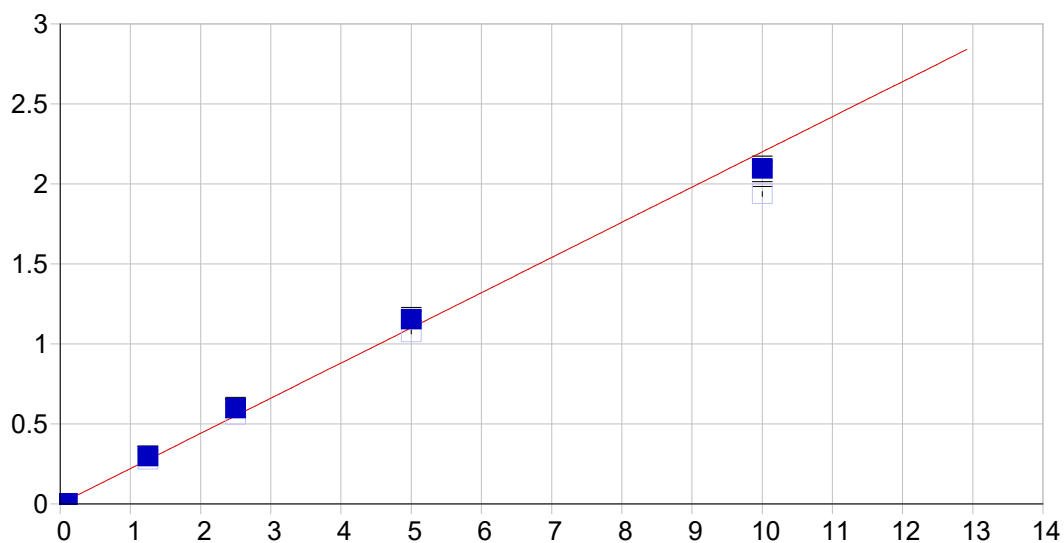


P 177.495 {490}

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001346 Re-Slope: 1.000000  
 A1 (Gain): 0.034930 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999230 Status: OK.  
 Std Error of Est: 0.000023  
 Predicted MDL: 0.002639  
 Predicted MQL: 0.008797

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00135 | .000    | 1        |
| S1        | .01000       | .00936      | -.001      | -6.39   | -.00102 | .000    | 1        |
| S2        | 1.2500       | 1.1458      | -.104      | -8.34   | .03819  | .000    | 1        |
| S3        | 2.5000       | 2.3776      | -.122      | -4.90   | .08073  | .000    | 1        |
| S4        | 5.0000       | 4.8923      | -.108      | -2.15   | .16759  | .000    | 1        |
| S5        | 10.000       | 10.335      | .335       | 3.35    | .35574  | .001    | 1        |

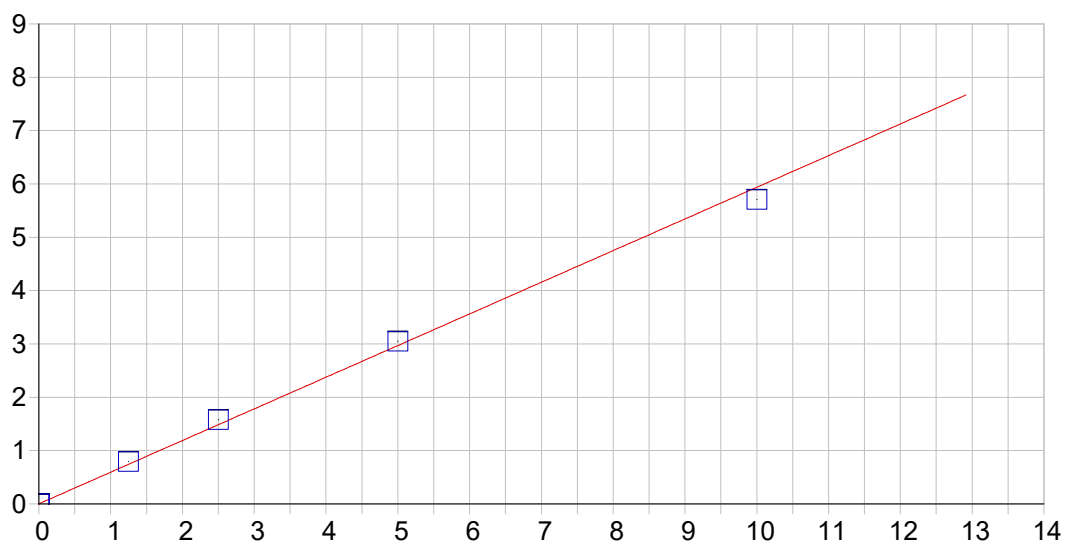


**B 249.678 {135}**

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000837 Re-Slope: 1.000000  
 A1 (Gain): 0.219879 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.995724 Status: OK.  
 Std Error of Est: 0.001006  
 Predicted MDL: 0.001259  
 Predicted MQL: 0.004195

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00007      | .000       | .000    | .00085 | .000    | 1        |
| S1        | .10000       | .01140      | -.089      | -88.6   | .00330 | .000    | 1        |
| S2        | 1.2500       | 1.3496      | .100       | 7.97    | .27763 | .002    | 1        |
| S3        | 2.5000       | 2.7190      | .219       | 8.76    | .55879 | .006    | 1        |
| S4        | 5.0000       | 5.2453      | .245       | 4.91    | 1.0744 | .012    | 1        |
| S5        | 10.000       | 9.5315      | -.468      | -4.68   | 1.9370 | .016    | 1        |

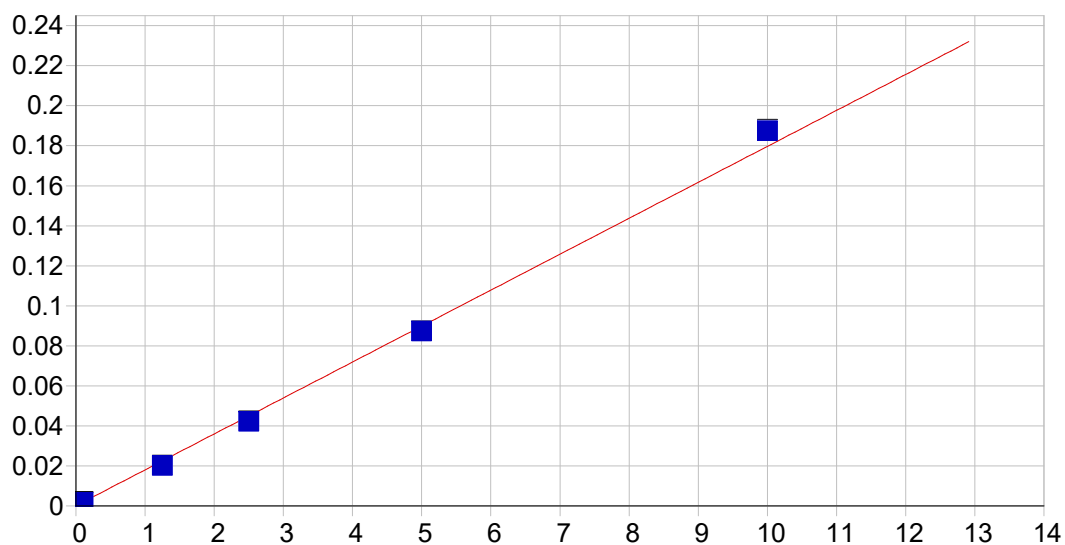


Mo 202.030 {467}

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001054 Re-Slope: 1.000000  
 A1 (Gain): 0.593570 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999073 Status: OK.  
 Std Error of Est: 0.000429  
 Predicted MDL: 0.000317  
 Predicted MQL: 0.001057

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00105 | .000    | 1        |
| S1        | .01000       | .01166      | .002       | 16.6    | .00797 | .000    | 1        |
| S2        | 1.2500       | 1.3367      | .087       | 6.94    | .79448 | .003    | 1        |
| S3        | 2.5000       | 2.6579      | .158       | 6.32    | 1.5787 | .002    | 1        |
| S4        | 5.0000       | 5.1379      | .138       | 2.76    | 3.0508 | .006    | 1        |
| S5        | 10.000       | 9.6158      | -.384      | -3.84   | 5.7087 | .005    | 1        |

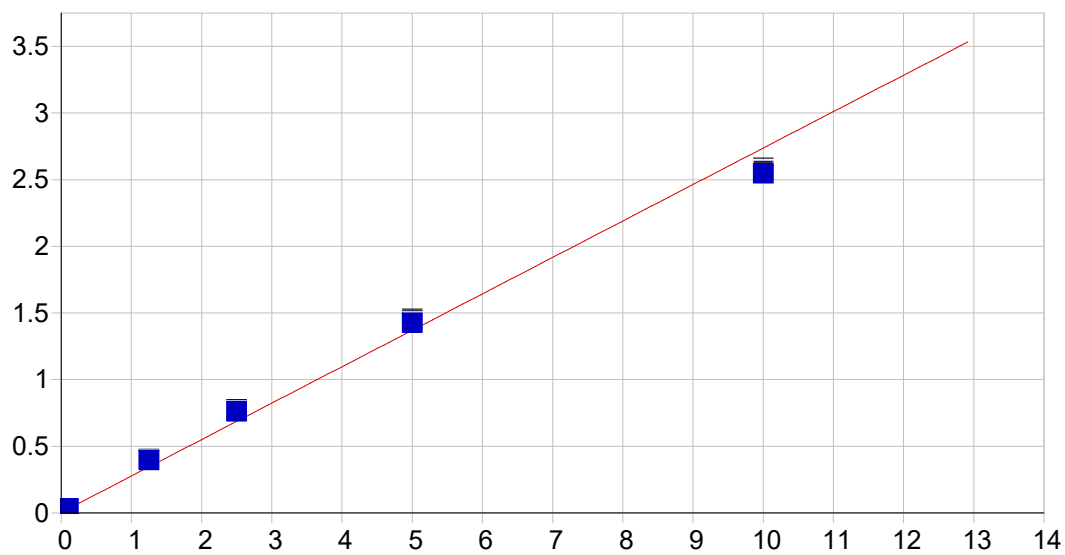


**S 182.034 {485}**

Date of Fit: 05/02/2019 12:27:47      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000060 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.017961 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.998775 | Status:   | OK.      |
| Std Error of Est: | 0.000047 |           |          |
| Predicted MDL:    | 0.004952 |           |          |
| Predicted MQL:    | 0.016508 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00006 | .000    | 1        |
| S1        | .10000       | .10222      | .002       | 2.22    | .00190 | .000    | 1        |
| S2        | 1.2500       | 1.1169      | -.133      | -10.7   | .02017 | .000    | 1        |
| S3        | 2.5000       | 2.3441      | -.156      | -6.24   | .04226 | .000    | 1        |
| S4        | 5.0000       | 4.8573      | -.143      | -2.85   | .08749 | .000    | 1        |
| S5        | 10.000       | 10.429      | .429       | 4.29    | .18776 | .000    | 1        |

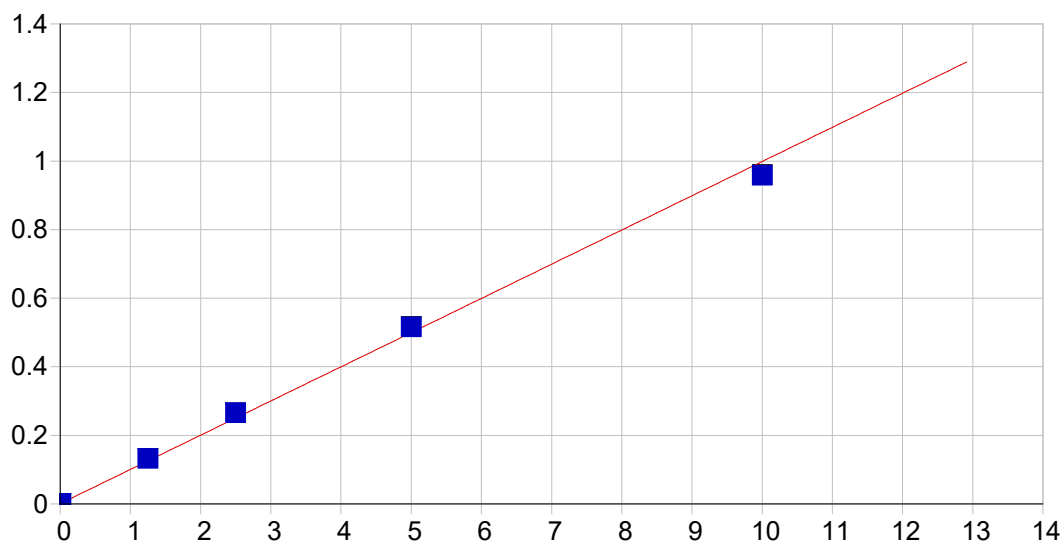


# Si 251.611 {134}

Date of Fit: 05/02/2019 12:27:47      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.003297 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.273352 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.996910 | Status:   | OK.      |
| Std Error of Est: | 0.001155 |           |          |
| Predicted MDL:    | 0.001178 |           |          |
| Predicted MQL:    | 0.003928 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00004     | -.000      | .000    | .00328 | .000    | 1        |
| S1        | .10000       | .11932      | .019       | 19.3    | .03601 | .000    | 1        |
| S2        | 1.2500       | 1.4404      | .190       | 15.2    | .40004 | .002    | 1        |
| S3        | 2.5000       | 2.7749      | .275       | 11.0    | .76786 | .008    | 1        |
| S4        | 5.0000       | 5.2059      | .206       | 4.12    | 1.4384 | .016    | 1        |
| S5        | 10.000       | 9.3097      | -.690      | -6.90   | 2.5723 | .017    | 1        |

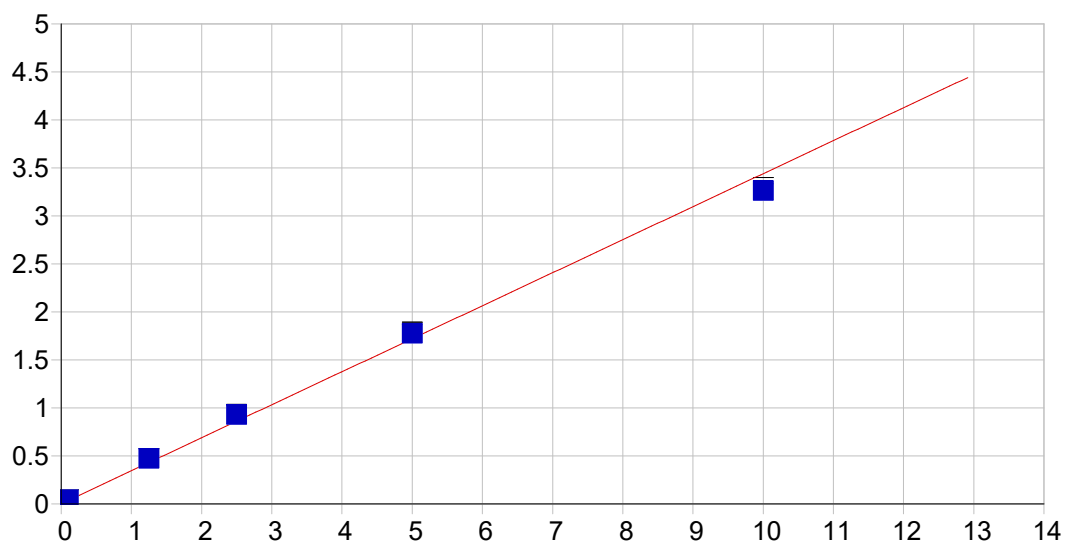


**Sn 189.989 {478}**

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000747 Re-Slope: 1.000000  
 A1 (Gain): 0.099774 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999044 Status: OK.  
 Std Error of Est: 0.000061  
 Predicted MDL: 0.001013  
 Predicted MQL: 0.003378

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00075 | .000    | 1        |
| S1        | .00700       | .00618      | -.001      | -11.8   | .00134 | .000    | 1        |
| S2        | 1.2500       | 1.3168      | .067       | 5.35    | .13187 | .000    | 1        |
| S3        | 2.5000       | 2.6622      | .162       | 6.49    | .26585 | .000    | 1        |
| S4        | 5.0000       | 5.1697      | .170       | 3.39    | .51551 | .001    | 1        |
| S5        | 10.000       | 9.6021      | -.398      | -3.98   | .95672 | .002    | 1        |

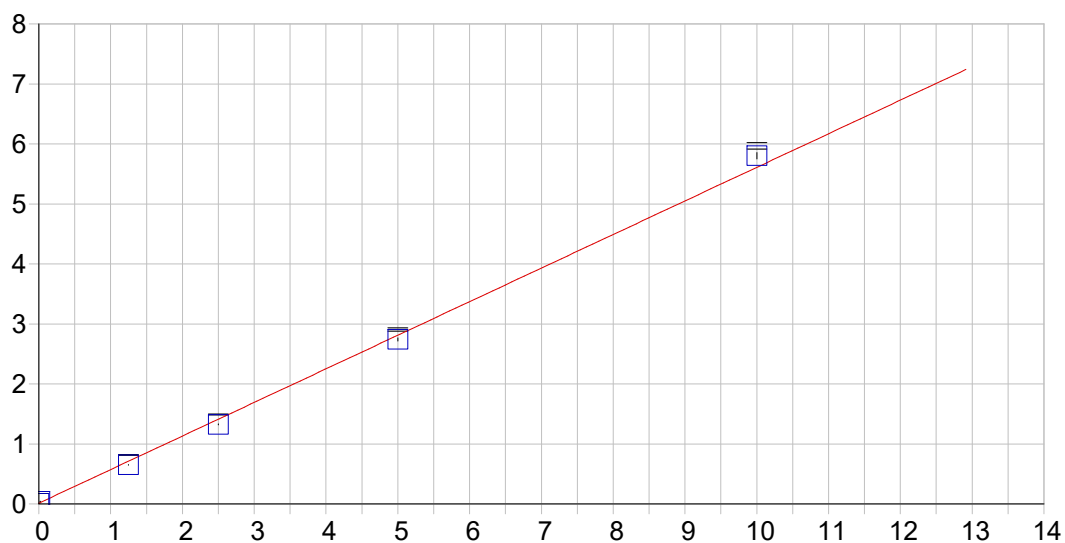


**Ti 336.121 {100}**

Date of Fit: 05/02/2019 12:27:47      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.001696 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.343802 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.998302 | Status:   | OK.      |
| Std Error of Est: | 0.001066 |           |          |
| Predicted MDL:    | 0.001257 |           |          |
| Predicted MQL:    | 0.004189 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00004     | -.000      | .000    | .00168 | .000    | 1        |
| S1        | .10000       | .12159      | .022       | 21.6    | .04349 | .000    | 1        |
| S2        | 1.2500       | 1.3681      | .118       | 9.45    | .47190 | .002    | 1        |
| S3        | 2.5000       | 2.7048      | .205       | 8.19    | .93130 | .002    | 1        |
| S4        | 5.0000       | 5.1657      | .166       | 3.31    | 1.7771 | .013    | 1        |
| S5        | 10.000       | 9.4899      | -.510      | -5.10   | 3.2632 | .032    | 1        |



Li 670.784 { 50}

Date of Fit: 05/02/2019 12:27:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.012072 Re-Slope: 1.000000  
 A1 (Gain): 0.559756 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.996374 Status: OK.  
 Std Error of Est: 0.000982  
 Predicted MDL: 0.002220  
 Predicted MQL: 0.007400

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00004     | -.000      | .000    | .01205 | .001    | 1        |
| S5        | 10.000       | 10.345      | .345       | 3.45    | 5.8029 | .053    | 1        |
| S4        | 5.0000       | 4.8778      | -.122      | -2.44   | 2.7424 | .027    | 1        |
| S3        | 2.5000       | 2.3451      | -.155      | -6.20   | 1.3247 | .009    | 1        |
| S2        | 1.2500       | 1.1425      | -.107      | -8.60   | .65160 | .004    | 1        |
| S1        | .01500       | .05430      | .039       | 262.    | .04247 | .001    | 1        |







Y 371.030 { 91}\*

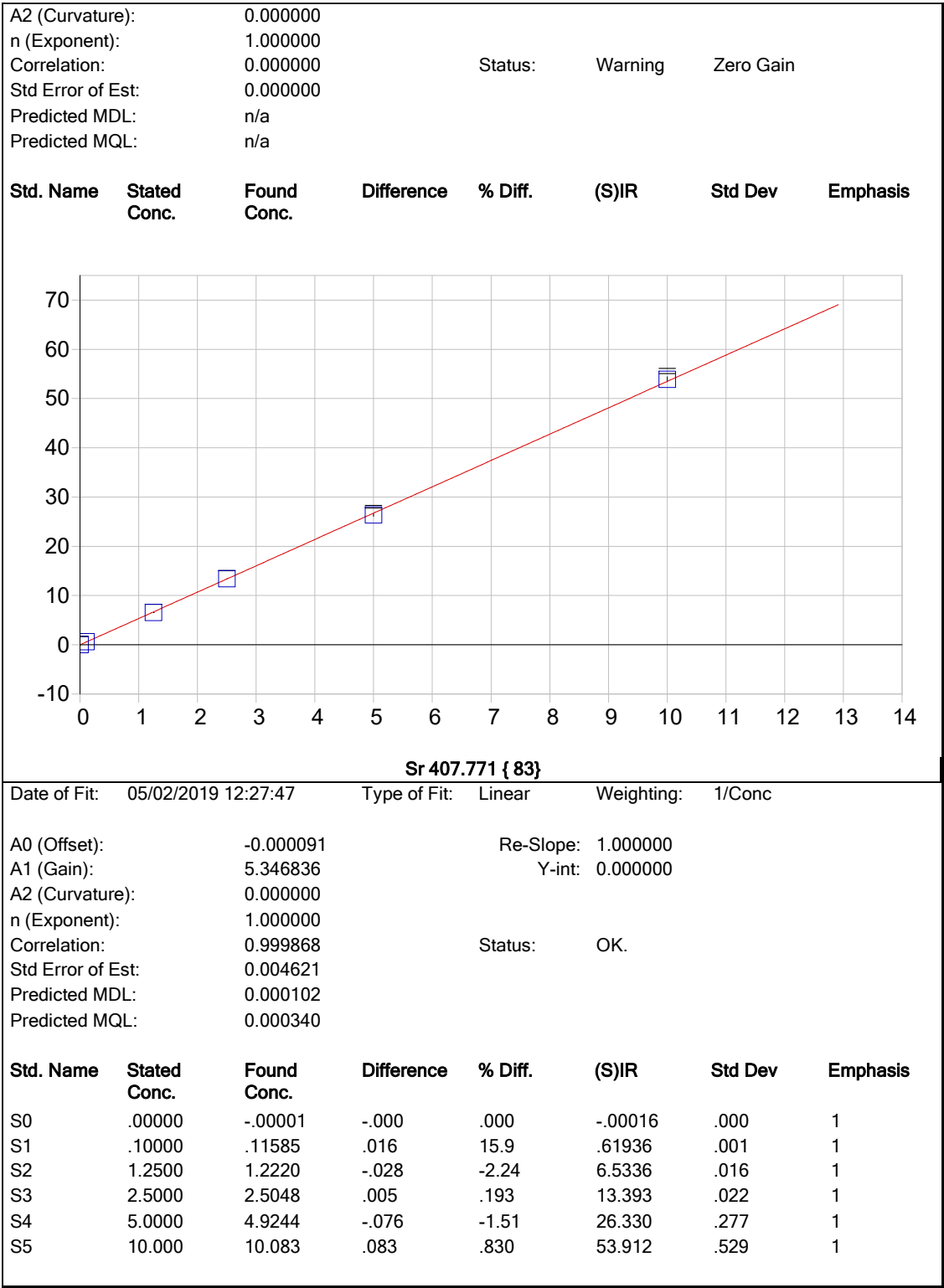
| Date of Fit:      | <not fit> | Type of Fit: | Linear    | Weighting: | 1/Conc    |
|-------------------|-----------|--------------|-----------|------------|-----------|
| A0 (Offset):      | 0.000000  |              | Re-Slope: | 1.000000   |           |
| A1 (Gain):        | 0.000000  |              | Y-int:    | 0.000000   |           |
| A2 (Curvature):   | 0.000000  |              |           |            |           |
| n (Exponent):     | 1.000000  |              |           |            |           |
| Correlation:      | 0.000000  |              | Status:   | Warning    | Zero Gain |
| Std Error of Est: | 0.000000  |              |           |            |           |
| Predicted MDL:    | n/a       |              |           |            |           |
| Predicted MQL:    | n/a       |              |           |            |           |

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



In 230.606 {446}\*

| Date of Fit: | <not fit> | Type of Fit: | Linear   | Weighting: | 1/Conc |
|--------------|-----------|--------------|----------|------------|--------|
| A0 (Offset): | 0.000000  | Re-Slope:    | 1.000000 |            |        |
| A1 (Gain):   | 0.000000  | Y-int:       | 0.000000 |            |        |



Sample Name: S0      Acquired: 05/02/2019 11:55:23      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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    | -.00054 | -.00101 | .00026  | .00070  | .00067 | .00304 | .00470  | -.00322 |
| Stddev | .00004  | .00003  | .00018  | .00011  | .00007 | .00009 | .00050  | .00019  |
| %RSD   | 7.2855  | 3.3394  | 68.306  | 15.118  | 10.433 | 2.8121 | 10.605  | 5.7447  |
| #1     | -.00052 | -.00102 | .00046  | .00082  | .00059 | .00295 | .00466  | -.00344 |
| #2     | -.00051 | -.00104 | .00010  | .00064  | .00072 | .00312 | .00522  | -.00313 |
| #3     | -.00058 | -.00097 | .00024  | .00064  | .00070 | .00303 | .00422  | -.00310 |
| 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    | .00026  | .00088  | .00005  | -.00040 | .00213 | .00071 | .00058  | -.00001 |
| Stddev | .00008  | .00021  | .00007  | .00012  | .00017 | .00016 | .00011  | .00012  |
| %RSD   | 32.047  | 23.460  | 151.95  | 28.646  | 7.9730 | 22.200 | 19.288  | 791.20  |
| #1     | .00017  | .00102  | .00013  | -.00027 | .00197 | .00089 | .00045  | -.00012 |
| #2     | .00027  | .00096  | .00000  | -.00044 | .00210 | .00062 | .00065  | .00011  |
| #3     | .00034  | .00064  | .00001  | -.00050 | .00231 | .00062 | .00065  | -.00003 |
| 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    | -.00155 | -.00083 | -.00234 | .00014  | .00175 | .01280 | -.00135 | .00085  |
| Stddev | .00010  | .00009  | .00048  | .00000  | .00018 | .00049 | .00005  | .00008  |
| %RSD   | 6.3285  | 11.279  | 20.568  | 2.5966  | 10.345 | 3.7907 | 4.0822  | 9.4916  |
| #1     | -.00163 | -.00093 | -.00198 | .00014  | .00166 | .01280 | -.00141 | .00080  |
| #2     | -.00159 | -.00077 | -.00216 | .00013  | .00163 | .01329 | -.00132 | .00095  |
| #3     | -.00144 | -.00078 | -.00289 | .00014  | .00196 | .01232 | -.00131 | .00081  |
| 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    | .00105  | .00006  | .00328  | .00075  | .00168 | .01205 | -.00016 |         |
| Stddev | .00017  | .00003  | .00022  | .00009  | .00042 | .00090 | .00020  |         |
| %RSD   | 16.203  | 54.000  | 6.6787  | 11.673  | 25.091 | 7.4359 | 126.80  |         |
| #1     | .00122  | .00007  | .00312  | .00082  | .00169 | .01208 | -.00004 |         |
| #2     | .00106  | .00002  | .00353  | .00077  | .00126 | .01293 | -.00004 |         |
| #3     | .00088  | .00008  | .00320  | .00065  | .00210 | .01114 | -.00040 |         |

Sample Name: S0      Acquired: 05/02/2019 11:55:23      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN H      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       | 2784.2 | 3912.3 | 56529. | 11333. | 4876.6 |
| Stddev    | 9.0    | 4.8    | 383.   | 112.   | 3.0    |
| %RSD      | .32478 | .12395 | .67817 | .98433 | .06202 |
|           |        |        |        |        |        |
| #1        | 2773.7 | 3906.7 | 56178. | 11232. | 4873.5 |
| #2        | 2789.7 | 3914.7 | 56938. | 11314. | 4877.0 |
| #3        | 2789.1 | 3915.5 | 56472. | 11453. | 4879.5 |

Sample Name: S1      Acquired: 05/02/2019 11:59:29      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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    | -.00006 | .00085 | .00221 | .00261 | .00947 | .01806 | .54410 | .02056 |
| Stddev | .00005  | .00006 | .00020 | .00013 | .00046 | .00053 | .00356 | .00025 |
| %RSD   | 77.578  | 6.8904 | 9.0263 | 4.9401 | 4.8689 | 2.9617 | .65388 | 1.2167 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00003 | .00089 | .00235 | .00250 | .00902 | .01841 | .54480 | .02078 |
| #2 | -.00005 | .00087 | .00198 | .00275 | .00994 | .01834 | .54024 | .02061 |
| #3 | -.00012 | .00078 | .00229 | .00259 | .00946 | .01745 | .54725 | .02029 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01135 | .26090 | .00179 | .03075 | .00676 | .00355 | .01021 | .04548 |
| Stddev | .00014 | .00188 | .00004 | .00012 | .00035 | .00020 | .00023 | .00008 |
| %RSD   | 1.2054 | .71931 | 2.2438 | .39820 | 5.1005 | 5.6080 | 2.2859 | .16953 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01119 | .26083 | .00176 | .03082 | .00667 | .00337 | .01000 | .04539 |
| #2 | .01138 | .25905 | .00183 | .03061 | .00648 | .00352 | .01018 | .04554 |
| #3 | .01146 | .26281 | .00177 | .03083 | .00715 | .00376 | .01046 | .04551 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 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    | .02350 | .00112 | .01570 | .00621 | .02103 | .09258 | -.00102 | .00330 |
| Stddev | .00002 | .00005 | .00098 | .00011 | .00100 | .00073 | .00002  | .00013 |
| %RSD   | .08136 | 4.7967 | 6.2360 | 1.8408 | 4.7767 | .78456 | 2.2539  | 3.9977 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .02350 | .00108 | .01644 | .00614 | .02040 | .09182 | -.00104 | .00324 |
| #2 | .02348 | .00109 | .01459 | .00634 | .02050 | .09327 | -.00102 | .00345 |
| #3 | .02351 | .00118 | .01608 | .00616 | .02219 | .09265 | -.00100 | .00321 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | .00797 | .00190 | .03601 | .00134 | .04349 | .04247 | .61936 |  |
| Stddev | .00010 | .00015 | .00023 | .00018 | .00024 | .00138 | .00136 |  |
| %RSD   | 1.2092 | 7.9870 | .63051 | 13.675 | .55951 | 3.2408 | .21917 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .00797 | .00206 | .03627 | .00113 | .04356 | .04374 | .61983 |  |
| #2 | .00788 | .00177 | .03587 | .00141 | .04322 | .04101 | .62042 |  |
| #3 | .00807 | .00185 | .03589 | .00148 | .04369 | .04265 | .61783 |  |

Sample Name: S1      Acquired: 05/02/2019 11:59:29      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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       | 2776.6 | 3908.6 | 56791. | 11373. | 4911.2 |
| Stddev    | 36.4   | 3.8    | 551.   | 24.    | 6.4    |
| %RSD      | 1.3095 | .09721 | .97039 | .21162 | .13030 |
| #1        | 2803.8 | 3912.0 | 57207. | 11346. | 4909.6 |
| #2        | 2790.7 | 3904.5 | 56999. | 11393. | 4905.7 |
| #3        | 2735.3 | 3909.3 | 56166. | 11379. | 4918.2 |

Sample Name: S2      Acquired: 05/02/2019 12:03:35      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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    | .04823 | .08410 | 1.0748 | .05916 | .15602 | 2.4557 | 5.6391 | .50966 |
| Stddev | .00018 | .00029 | .0013  | .00031 | .00066 | .0060  | .0272  | .00330 |
| %RSD   | .36890 | .33985 | .11585 | .52732 | .42093 | .24367 | .48315 | .64748 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04803 | .08402 | 1.0740 | .05897 | .15531 | 2.4594 | 5.6305 | .50893 |
| #2 | .04832 | .08385 | 1.0762 | .05899 | .15613 | 2.4488 | 5.6171 | .50678 |
| #3 | .04835 | .08441 | 1.0742 | .05952 | .15661 | 2.4590 | 5.6695 | .51326 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.2632 | 2.6377 | .54790 | .33763 | .54101 | .83306 | 1.9263 | .46628 |
| Stddev | .0022  | .0148  | .00145 | .00048 | .00253 | .00283 | .0123  | .00170 |
| %RSD   | .17176 | .56161 | .26422 | .14345 | .46695 | .33949 | .63972 | .36482 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.2608 | 2.6359 | .54850 | .33729 | .54163 | .83192 | 1.9223 | .46507 |
| #2 | 1.2639 | 2.6239 | .54895 | .33743 | .53824 | .83098 | 1.9165 | .46554 |
| #3 | 1.2650 | 2.6534 | .54625 | .33819 | .54318 | .83628 | 1.9402 | .46823 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .32404 | .05028 | .11362 | .06007 | 1.0289 | .52743 | .03819 | .27763 |
| Stddev | .00101 | .00010 | .00100 | .00036 | .0088  | .00259 | .00027 | .00196 |
| %RSD   | .31322 | .20738 | .88165 | .60245 | .85912 | .49022 | .70334 | .70605 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .32357 | .05035 | .11453 | .06006 | 1.0359 | .52561 | .03788 | .27599 |
| #2 | .32335 | .05016 | .11255 | .05972 | 1.0190 | .52629 | .03835 | .27712 |
| #3 | .32521 | .05033 | .11379 | .06044 | 1.0317 | .53039 | .03833 | .27980 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .79448 | .02017 | .40004 | .13187 | .47190 | .65160 | 6.5336 |
| Stddev | .00324 | .00021 | .00227 | .00034 | .00152 | .00404 | .0165  |
| %RSD   | .40729 | 1.0647 | .56671 | .26062 | .32107 | .61961 | .25227 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .79338 | .02040 | .39837 | .13177 | .47282 | .64888 | 6.5314 |
| #2 | .79193 | .02013 | .39914 | .13159 | .47016 | .64969 | 6.5183 |
| #3 | .79812 | .01997 | .40262 | .13226 | .47274 | .65624 | 6.5510 |

Sample Name: S2      Acquired: 05/02/2019 12:03:35      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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       | 2719.0 | 3779.0 | 56328. | 11446. | 4642.9 |
| Stddev    | 4.3    | 4.9    | 68.    | 56.    | 1.5    |
| %RSD      | .15968 | .12966 | .12056 | .48533 | .03276 |
| #1        | 2714.7 | 3777.2 | 56253. | 11502. | 4644.4 |
| #2        | 2723.4 | 3784.5 | 56385. | 11445. | 4643.0 |
| #3        | 2718.8 | 3775.2 | 56347. | 11391. | 4641.3 |

Sample Name: S3      Acquired: 05/02/2019 12:07:25      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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    | .09958 | .17311 | 2.2049 | .11782 | .31495 | 5.0113 | 11.454 | 1.0331 |
| Stddev | .00026 | .00040 | .0011  | .00035 | .00106 | .0077  | .048   | .0075  |
| %RSD   | .26399 | .23383 | .05131 | .29284 | .33736 | .15380 | .42293 | .72948 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .09947 | .17266 | 2.2044 | .11773 | .31449 | 5.0024 | 11.430 | 1.0291 |
| #2 | .09938 | .17323 | 2.2041 | .11753 | .31420 | 5.0153 | 11.423 | 1.0284 |
| #3 | .09988 | .17344 | 2.2062 | .11820 | .31617 | 5.0162 | 11.510 | 1.0418 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 2.5761 | 5.3504 | 1.0991 | .69502 | 1.0895 | 1.6718 | 3.8580 | .94844 |
| Stddev | .0030  | .0385  | .0045  | .00051 | .0026  | .0120  | .0306  | .00772 |
| %RSD   | .11491 | .71948 | .41084 | .07332 | .23942 | .71569 | .79206 | .81435 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.5730 | 5.3341 | 1.0972 | .69464 | 1.0868 | 1.6668 | 3.8486 | .94415 |
| #2 | 2.5766 | 5.3228 | 1.0959 | .69482 | 1.0898 | 1.6631 | 3.8333 | .94381 |
| #3 | 2.5788 | 5.3944 | 1.1043 | .69560 | 1.0919 | 1.6854 | 3.8922 | .95736 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .66256 | .10480 | .23186 | .12092 | 2.0951 | 1.0810 | .08073 | .55879 |
| Stddev | .00034 | .00037 | .00058 | .00061 | .0181  | .0022  | .00008 | .00589 |
| %RSD   | .05188 | .35509 | .25201 | .50334 | .86472 | .20845 | .09958 | 1.0533 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .66249 | .10487 | .23153 | .12030 | 2.1071 | 1.0790 | .08082 | .55570 |
| #2 | .66293 | .10439 | .23254 | .12093 | 2.1040 | 1.0805 | .08067 | .55509 |
| #3 | .66225 | .10512 | .23152 | .12152 | 2.0743 | 1.0835 | .08069 | .56558 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.5787 | .04226 | .76786 | .26585 | .93130 | 1.3247 | 13.393 |
| Stddev | .0024  | .00020 | .00815 | .00031 | .00224 | .0093  | .022   |
| %RSD   | .15007 | .46170 | 1.0608 | .11570 | .24078 | .70095 | .16487 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.5778 | .04245 | .76766 | .26608 | .92913 | 1.3229 | 13.397 |
| #2 | 1.5769 | .04225 | .75982 | .26550 | .93118 | 1.3165 | 13.369 |
| #3 | 1.5814 | .04206 | .77611 | .26597 | .93360 | 1.3348 | 13.413 |

Sample Name: S3      Acquired: 05/02/2019 12:07:25      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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       | 2656.3 | 3679.2 | 55669. | 11336. | 4446.3 |
| Stddev    | 23.4   | 9.6    | 173.   | 69.    | 13.5   |
| %RSD      | .88235 | .26174 | .31057 | .61115 | .30413 |
| #1        | 2636.1 | 3689.9 | 55486. | 11348. | 4461.2 |
| #2        | 2650.9 | 3676.5 | 55829. | 11398. | 4434.8 |
| #3        | 2682.0 | 3671.2 | 55694. | 11261. | 4442.9 |

Sample Name: S4      Acquired: 05/02/2019 12:11:13      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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    | .20179 | .34374 | 4.4856 | .22928 | .63374 | 10.202 | 23.219 | 2.0419 |
| Stddev | .00026 | .00024 | .0044  | .00056 | .00078 | .032   | .200   | .0220  |
| %RSD   | .12952 | .06894 | .09858 | .24394 | .12293 | .31708 | .86267 | 1.0765 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20154 | .34387 | 4.4840 | .22864 | .63293 | 10.166 | 22.989 | 2.0167 |
| #2 | .20206 | .34387 | 4.4822 | .22968 | .63449 | 10.226 | 23.352 | 2.0574 |
| #3 | .20176 | .34346 | 4.4906 | .22952 | .63380 | 10.215 | 23.317 | 2.0515 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 5.1525 | 10.819 | 2.1572 | 1.4042 | 2.1560 | 3.3211 | 7.7475 | 1.9265 |
| Stddev | .0040  | .115   | .0043  | .0017  | .0053  | .0158  | .0633  | .0131  |
| %RSD   | .07869 | 1.0623 | .19734 | .11867 | .24753 | .47488 | .81761 | .68086 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.1506 | 10.686 | 2.1536 | 1.4029 | 2.1500 | 3.3036 | 7.6747 | 1.9114 |
| #2 | 5.1497 | 10.881 | 2.1562 | 1.4036 | 2.1580 | 3.3341 | 7.7901 | 1.9350 |
| #3 | 5.1571 | 10.889 | 2.1619 | 1.4061 | 2.1600 | 3.3257 | 7.7778 | 1.9332 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.3317 | .21518 | .46971 | .24108 | 4.2587 | 2.1921 | .16759 | 1.0744 |
| Stddev | .0016  | .00077 | .00357 | .00112 | .0417  | .0116  | .00024 | .0122  |
| %RSD   | .12324 | .35731 | .75905 | .46608 | .97898 | .53103 | .14088 | 1.1395 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.3299 | .21430 | .46570 | .23984 | 4.3036 | 2.1787 | .16732 | 1.0603 |
| #2 | 1.3324 | .21554 | .47092 | .24205 | 4.2212 | 2.1993 | .16775 | 1.0805 |
| #3 | 1.3330 | .21570 | .47251 | .24134 | 4.2513 | 2.1984 | .16769 | 1.0824 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.0508 | .08749 | 1.4384 | .51551 | 1.7771 | 2.7424 | 26.330 |
| Stddev | .0062  | .00004 | .0164  | .00052 | .0125  | .0265  | .277   |
| %RSD   | .20205 | .04582 | 1.1414 | .10165 | .70443 | .96722 | 1.0537 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.0437 | .08745 | 1.4200 | .51552 | 1.7628 | 2.7126 | 26.387 |
| #2 | 3.0537 | .08749 | 1.4515 | .51499 | 1.7820 | 2.7635 | 26.028 |
| #3 | 3.0549 | .08753 | 1.4438 | .51603 | 1.7864 | 2.7511 | 26.574 |

Sample Name: S4      Acquired: 05/02/2019 12:11:13      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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       | 2543.1 | 3502.8 | 54490. | 11132. | 4172.2 |
| Stddev    | 10.0   | 10.1   | 194.   | 113.   | 5.3    |
| %RSD      | .39354 | .28726 | .35649 | 1.0126 | .12811 |
| #1        | 2536.4 | 3514.0 | 54583. | 11261. | 4178.1 |
| #2        | 2554.6 | 3494.5 | 54619. | 11081. | 4167.8 |
| #3        | 2538.3 | 3499.9 | 54266. | 11054. | 4170.7 |

Sample Name: S6      Acquired: 05/02/2019 12:19:11      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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    | 59.241 | 38.133 | 18.684 | 7.1589 | 2.8122 |
| Stddev | .355   | .308   | .043   | .0128  | .0033  |
| %RSD   | .59958 | .80804 | .23181 | .17930 | .11817 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 59.637 | 38.472 | 18.722 | 7.1693 | 2.8128 |
| #2 | 59.134 | 38.058 | 18.693 | 7.1629 | 2.8151 |
| #3 | 58.951 | 37.869 | 18.637 | 7.1446 | 2.8086 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 10678. |
| Stddev    | 25.    |
| %RSD      | .23804 |

|    |        |
|----|--------|
| #1 | 10663. |
| #2 | 10663. |
| #3 | 10707. |

Sample Name: S5      Acquired: 05/02/2019 12:15:07      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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    | .42713 | .69226 | 9.3067 | .46067 | 1.3310 | 21.248 | 47.189 | 4.0612 |
| Stddev | .00073 | .00185 | .0220  | .00055 | .0006  | .128   | .521   | .0268  |
| %RSD   | .17088 | .26746 | .23633 | .11998 | .04795 | .60135 | 1.1036 | .66045 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .42640 | .69424 | 9.2936 | .46130 | 1.3304 | 21.118 | 47.148 | 4.0303 |
| #2 | .42711 | .69058 | 9.2944 | .46025 | 1.3310 | 21.254 | 46.691 | 4.0780 |
| #3 | .42786 | .69196 | 9.3321 | .46047 | 1.3316 | 21.373 | 47.730 | 4.0753 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 10.506 | 22.138 | 4.2790 | 2.9013 | 4.3799 | 6.6971 | 15.697 | 3.9874 |
| Stddev | .024   | .266   | .0070  | .0057  | .0086  | .0392  | .149   | .0297  |
| %RSD   | .23307 | 1.2028 | .16443 | .19538 | .19649 | .58540 | .94963 | .74483 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.500 | 21.900 | 4.2711 | 2.9025 | 4.3725 | 6.6633 | 15.569 | 3.9600 |
| #2 | 10.485 | 22.089 | 4.2812 | 2.8951 | 4.3778 | 6.6879 | 15.663 | 3.9833 |
| #3 | 10.533 | 22.426 | 4.2846 | 2.9063 | 4.3893 | 6.7401 | 15.861 | 4.0190 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 2.7386 | .44826 | .97433 | .49185 | 9.0326 | 4.5617 | .35574 | 1.9370 |
| Stddev | .0077  | .00177 | .00917 | .00383 | .0754  | .0118  | .00074 | .0158  |
| %RSD   | .28232 | .39550 | .94110 | .77821 | .83451 | .25782 | .20837 | .81783 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.7382 | .44712 | .96480 | .48791 | 9.0887 | 4.5589 | .35659 | 1.9197 |
| #2 | 2.7310 | .44734 | .97508 | .49210 | 8.9469 | 4.5516 | .35533 | 1.9405 |
| #3 | 2.7465 | .45030 | .98309 | .49555 | 9.0621 | 4.5746 | .35529 | 1.9508 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 5.7087 | .18776 | 2.5723 | .95672 | 3.2632 | 5.8029 | 53.912 |
| Stddev | .0053  | .00045 | .0166  | .00204 | .0319  | .0529  | .529   |
| %RSD   | .09277 | .23983 | .64510 | .21293 | .97652 | .91123 | .98085 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.7105 | .18828 | 2.5562 | .95682 | 3.2305 | 5.7520 | 53.620 |
| #2 | 5.7028 | .18752 | 2.5713 | .95464 | 3.2648 | 5.7993 | 53.593 |
| #3 | 5.7129 | .18748 | 2.5894 | .95871 | 3.2942 | 5.8575 | 54.522 |

Sample Name: S5      Acquired: 05/02/2019 12:15:07      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN H      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       | 2359.9 | 3232.7 | 53062. | 10979. | 3825.4 |
| Stddev    | 27.5   | 4.5    | 234.   | 27.    | 8.6    |
| %RSD      | 1.1633 | .13794 | .44167 | .24889 | .22504 |
| #1        | 2333.1 | 3235.1 | 52803. | 10975. | 3824.8 |
| #2        | 2388.0 | 3235.4 | 53259. | 11008. | 3834.3 |
| #3        | 2358.7 | 3227.6 | 53123. | 10953. | 3817.2 |

Sample Name: ICV      Acquired: 05/02/2019 12:23:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9124491 | 1.030491 | .9632696 | .9751657 | .9505955 | 2.272493 |
| Stddev | .0059090 | .003692  | .0013224 | .0042855 | .0042645 | .012731  |
| %RSD   | .6475999 | .3582966 | .1372864 | .4394685 | .4486097 | .5602387 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9056484 | 1.026322 | .9646815 | .9718396 | .9481944 | 2.272126 |
| #2 | .9163285 | 1.031799 | .9630672 | .9736556 | .9480729 | 2.259950 |
| #3 | .9153704 | 1.033350 | .9620599 | .9800019 | .9555192 | 2.285405 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5209576 | .5013151 | .4797484 | 10.17071 | .5327366 | .5074443 |
| Stddev | .0022517 | .0020024 | .0012062 | .04513   | .0014684 | .0017033 |
| %RSD   | .4322139 | .3994193 | .2514275 | .4437670 | .2756319 | .3356564 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5198810 | .4990119 | .4791175 | 10.14448 | .5338569 | .5067037 |
| #2 | .5194464 | .5022911 | .4789885 | 10.14482 | .5332786 | .5062367 |
| #3 | .5235454 | .5026424 | .4811392 | 10.22282 | .5310742 | .5093925 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5219270 | 5.262517 | .5194133 | 5.759581 | .5231248 | .4912977 |
| Stddev | .0066083 | .013511  | .0019586 | .035581  | .0013337 | .0023304 |
| %RSD   | 1.266139 | .2567478 | .3770873 | .6177724 | .2549543 | .4743380 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5208295 | 5.275041 | .5208177 | 5.719285 | .5244739 | .4887458 |
| #2 | .5159361 | 5.248198 | .5171758 | 5.772782 | .5218070 | .4933131 |
| #3 | .5290153 | 5.264311 | .5202463 | 5.786674 | .5230935 | .4918342 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.932575 | .5434714 | 1.003057 | 9.860054 | F -.002616 | F 5.516386 |
| Stddev | .292109  | .0023831 | .002778  | .060882  | .000319    | .024934    |
| %RSD   | 2.940918 | .4384949 | .2769981 | .6174580 | 12.18514   | .4520071   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.11326 | .5462196 | 1.005006 | 9.810604 | -.002962 | 5.490239 |
| #2 | 9.59557  | .5419778 | .999875  | 9.841505 | -.002550 | 5.539898 |
| #3 | 10.08890 | .5422165 | 1.004290 | 9.928052 | -.002335 | 5.519022 |

Sample Name: ICV      Acquired: 05/02/2019 12:23:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |          |            |          |          |          |            |
|--------|----------|------------|----------|----------|----------|------------|
| Elem   | Mo2020   | S_1820     | Si2516   | Sn1899   | Ti3361   | Li6707     |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm        |
| Avg    | 5.159037 | F -.003872 | 5.207640 | 5.142984 | 5.497894 | F .0128930 |
| Stddev | .017119  | .003450    | .022091  | .010879  | .015319  | .0007047   |
| %RSD   | .3318305 | 89.10766   | .4241954 | .2115371 | .2786292 | 5.465872   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.167323 | -.001121 | 5.182192 | 5.141052 | 5.506971 | .0136962 |
| #2 | 5.139351 | -.002752 | 5.218843 | 5.133200 | 5.480208 | .0123784 |
| #3 | 5.170437 | -.007743 | 5.221884 | 5.154700 | 5.506504 | .0126043 |

|        |            |
|--------|------------|
| Elem   | Sr4077     |
| Units  | ppm        |
| Avg    | F .0122345 |
| Stddev | .0001061   |
| %RSD   | .8673389   |

|    |          |
|----|----------|
| #1 | .0121166 |
| #2 | .0123225 |
| #3 | .0122643 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2810.814 | 3913.848 | 57368.03 | 11510.07 | 4882.040 |
| Stddev    | 5.554    | 10.011   | 126.18   | 51.02    | 7.866    |
| %RSD      | .1975874 | .2557812 | .2199399 | .4432761 | .1611214 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2813.904 | 3902.991 | 57512.74 | 11568.56 | 4873.793 |
| #2 | 2814.135 | 3922.713 | 57310.25 | 11487.00 | 4889.459 |
| #3 | 2804.402 | 3915.841 | 57281.08 | 11474.67 | 4882.867 |

Sample Name: ICB      Acquired: 05/02/2019 12:29:42      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      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    | .0016629 | -.000176 | .0013311 | .0001116 | .0000311 | .0088954 | -.000278 |
| Stddev | .0012867 | .000494  | .0017421 | .0022594 | .0010196 | .0006126 | .000395  |
| %RSD   | 77.38032 | 280.8611 | 130.8767 | 2024.372 | 3279.459 | 6.887071 | 142.0496 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0028008 | -.000691 | .0027443 | -.001258 | -.000184 | .0084927 | .000164  |
| #2 | .0002665 | .000294  | .0018642 | .002719  | .001141  | .0096004 | -.000401 |
| #3 | .0019213 | -.000131 | -.000615 | -.001127 | -.000864 | .0085930 | -.000597 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000615 | -.000064 | -.005494 | -.000482 | -.000094 | .0073758 | .0033016 |
| Stddev | .0001246 | .000061  | .005403  | .000173  | .000250  | .0005947 | .0042622 |
| %RSD   | 202.8153 | 94.88400 | 98.35618 | 35.92524 | 267.3919 | 8.062636 | 129.0942 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000079 | -.000086 | -.006048 | -.000283 | -.000336 | .0067903 | .0082144 |
| #2 | .000103  | -.000110 | .000166  | -.000564 | .000163  | .0079793 | .0010990 |
| #3 | .000160  | .000005  | -.010598 | -.000599 | -.000108 | .0073579 | .0005914 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003102 | -.001398 | -.000249 | .0004991 | -.024781 | .0003357 | -.001683 |
| Stddev | .0003095 | .026445  | .000427  | .0002414 | .187266  | .0020820 | .000368  |
| %RSD   | 99.74463 | 1892.252 | 171.3286 | 48.37688 | 755.6750 | 620.2767 | 21.86728 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0003892 | -.023537 | -.000739 | .0006160 | -.021749 | -.002016 | -.002040 |
| #2 | -.000031 | -.008541 | -.000053 | .0002214 | -.213545 | .001946  | -.001704 |
| #3 | .000573  | .027885  | .000044  | .0006597 | .160950  | .001077  | -.001305 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0383900 | -.000435 | .0070366 | .0008312 | -.000204 | .0008502 | .0047664 |
| Stddev | .0255340 | .002764  | .0012782 | .0001202 | .001919  | .0011358 | .0009476 |
| %RSD   | 66.51206 | 635.6516 | 18.16486 | 14.46344 | 942.8689 | 133.5874 | 19.88162 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0678677 | .000431  | .0079878 | .0007474 | .001995  | -.000268 | .0051896 |
| #2 | .0241782 | -.003528 | .0075382 | .0009689 | -.001060 | .002002  | .0054288 |
| #3 | .0231239 | .001793  | .0055837 | .0007772 | -.001546 | .000817  | .0036809 |

Sample Name: ICB      Acquired: 05/02/2019 12:29:42      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: ICB      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000072 | .0068802 | -.000015 |
| Stddev | .001397  | .0006581 | .000061  |
| %RSD   | 1951.987 | 9.565149 | 413.3750 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001683 | .0061370 | .000044  |
| #2 | .000793  | .0071144 | -.000078 |
| #3 | .000675  | .0073892 | -.000010 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2805.935 | 3915.984 | 57031.16 | 11374.96 | 4873.521 |
| Stddev    | 27.706   | .943     | 256.29   | 72.14    | 5.293    |
| %RSD      | .9874164 | .0240797 | .4493811 | .6342089 | .1086075 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2789.052 | 3915.641 | 56850.13 | 11415.56 | 4872.813 |
| #2 | 2790.843 | 3917.051 | 56918.93 | 11417.66 | 4868.618 |
| #3 | 2837.911 | 3915.261 | 57324.42 | 11291.67 | 4879.133 |

Sample Name: ICSA      Acquired: 05/02/2019 12:33:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0031186 | .0047584 | .0055006 | -.013853 | .0069534 | 242.0680 |
| Stddev | .0024815 | .0028915 | .0014176 | .005732  | .0023691 | .8377    |
| %RSD   | 79.57025 | 60.76591 | 25.77210 | 41.37315 | 34.07105 | .3460548 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0025897 | .0080791 | .0046619 | -.019658 | .0042229 | 242.7584 |
| #2 | .0058218 | .0033978 | .0047026 | -.013704 | .0084629 | 241.1361 |
| #3 | .0009442 | .0027981 | .0071373 | -.008198 | .0081744 | 242.3094 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0070055 | .0016835 | .0018124 | 257.7767 | .0520617 | .0012274 |
| Stddev | .0006062 | .0000720 | .0000800 | 1.3110   | .0008780 | .0000501 |
| %RSD   | 8.652522 | 4.277470 | 4.416989 | .5085829 | 1.686478 | 4.084164 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0076438 | .0017486 | .0018008 | 258.8316 | .0512244 | .0011954 |
| #2 | .0064376 | .0016956 | .0017388 | 256.3090 | .0529754 | .0012016 |
| #3 | .0069352 | .0016062 | .0018976 | 258.1896 | .0519853 | .0012851 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0038623 | 104.0595 | .0162635 | 261.2260 | .0005381 | -.007268 |
| Stddev | .0008562 | .2936    | .0003895 | 1.0885   | .0003840 | .000145  |
| %RSD   | 22.16853 | .2821208 | 2.394989 | .4167052 | 71.36262 | 1.997493 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0029203 | 104.3301 | .0166818 | 261.6523 | .0001235 | -.007309 |
| #2 | .0040734 | 103.7474 | .0161976 | 259.9888 | .0006092 | -.007388 |
| #3 | .0045932 | 104.1009 | .0159112 | 262.0368 | .0008816 | -.007107 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | -.161710 | .0060585 | .0062300 | -.076955 | F .0114844 | -.048158 |
| Stddev | .210795  | .0006249 | .0015330 | .058096  | .0019063   | .002535  |
| %RSD   | 130.3536 | 10.31445 | 24.60680 | 75.49289 | 16.59882   | 5.264133 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.343895 | .0063282 | .0079284 | -.115134 | .0093059 | -.045238 |
| #2 | .069172  | .0065033 | .0058130 | -.105634 | .0128469 | -.049799 |
| #3 | -.210407 | .0053441 | .0049487 | -.010097 | .0123003 | -.049437 |

Sample Name: ICSA      Acquired: 05/02/2019 12:33:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |            |            |          |            |            |
|--------|----------|------------|------------|----------|------------|------------|
| Elem   | Mo2020   | S_1820     | Si2516     | Sn1899   | Ti3361     | Li6707     |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm        | ppm        |
| Avg    | .0023350 | F .0127373 | F .0008839 | .0022763 | F .0000148 | W .0089726 |
| Stddev | .0002153 | .0028680   | .0008635   | .0010523 | .0010762   | .0020683   |
| %RSD   | 9.221252 | 22.51618   | 97.69547   | 46.22647 | 7254.118   | 23.05175   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0022237 | .0103981 | .0018149 | .0033939 | .0002324 | .0080424 |
| #2 | .0021982 | .0159370 | .0007272 | .0021304 | -.001154 | .0113427 |
| #3 | .0025832 | .0118768 | .0001094 | .0013046 | .000966  | .0075326 |

|        |            |
|--------|------------|
| Elem   | Sr4077     |
| Units  | ppm        |
| Avg    | F .1081382 |
| Stddev | .0001011   |
| %RSD   | .0934678   |

|    |          |
|----|----------|
| #1 | .1082287 |
| #2 | .1081566 |
| #3 | .1080291 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2638.267 | 3686.519 | 54834.33 | 11281.69 | 4342.370 |
| Stddev    | 25.726   | 9.424    | 388.98   | 26.80    | 2.850    |
| %RSD      | .9750989 | .2556332 | .7093762 | .2375537 | .0656386 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2609.449 | 3676.453 | 54418.37 | 11262.10 | 4345.225 |
| #2 | 2646.435 | 3687.972 | 54895.54 | 11312.23 | 4339.525 |
| #3 | 2658.918 | 3695.132 | 55189.07 | 11270.74 | 4342.360 |

Sample Name: K2605-19      Acquired: 05/02/2019 14:50:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5105      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0086856 | -.001721 | .1812340 | -.000480 | .4194424 | 8.840246 | .0134130 |
| Stddev | .0016897 | .001497  | .0007739 | .001422  | .0015297 | .041517  | .0005120 |
| %RSD   | 19.45341 | 86.96021 | .4270255 | 296.0639 | .3647081 | .4696329 | 3.817055 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0071340 | -.003298 | .1806374 | -.002113 | .4196491 | 8.793983 | .0128604 |
| #2 | .0084371 | -.000320 | .1821085 | .000483  | .4208582 | 8.874260 | .0138712 |
| #3 | .0104858 | -.001545 | .1809561 | .000190  | .4178197 | 8.852495 | .0135073 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1048181 | .0487846 | 2.075165 | .1615985 | .2549231 | .1919058 | 1.781627 |
| Stddev | .0001589 | .0001078 | .008524  | .0009586 | .0006709 | .0016117 | .016491  |
| %RSD   | .1515693 | .2209202 | .4107791 | .5932051 | .2631702 | .8398590 | .9255984 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1046975 | .0487735 | 2.072107 | .1626691 | .2555847 | .1900453 | 1.765124 |
| #2 | .1047586 | .0488975 | 2.084796 | .1608198 | .2542433 | .1928728 | 1.798105 |
| #3 | .1049981 | .0486828 | 2.068591 | .1613065 | .2549411 | .1927995 | 1.781652 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0127196 | 26.37807 | .0035554 | .1854396 | 31.11536 | .0075953 | .3515754 |
| Stddev | .0001090 | .24523   | .0001622 | .0007126 | .23364   | .0019652 | .0059408 |
| %RSD   | .8570603 | .9296772 | 4.561443 | .3842759 | .7508927 | 25.87360 | 1.689759 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0126677 | 26.09608 | .0036438 | .1846357 | 30.84599 | .0059470 | .3454269 |
| #2 | .0126462 | 26.49675 | .0036542 | .1859936 | 31.23713 | .0097701 | .3572840 |
| #3 | .0128448 | 26.54138 | .0033683 | .1856894 | 31.26297 | .0070688 | .3520153 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 40.05562 | .0203751 | .0126204 | -.000385 | .2104409 | .7035866 | -.002957 |
| Stddev | .06752   | .0011079 | .0003474 | .000403  | .0024092 | .0029449 | .000719  |
| %RSD   | .1685621 | 5.437427 | 2.752804 | 104.8177 | 1.144858 | .4185581 | 24.31006 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 40.01942 | .0192950 | .0123337 | -.000048 | .2081139 | .7008482 | -.002267 |
| #2 | 40.01392 | .0215088 | .0125208 | -.000274 | .2102840 | .7032097 | -.002903 |
| #3 | 40.13352 | .0203214 | .0130068 | -.000832 | .2129248 | .7067018 | -.003702 |

Sample Name: K2605-19      Acquired: 05/02/2019 14:50:46      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5105      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0163208 | -.007193 | .0139364 |
| Stddev | .0001263 | .001833  | .0001001 |
| %RSD   | .7738396 | 25.48833 | .7181003 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0162626 | -.009235 | .0139710 |
| #2 | .0162341 | -.005687 | .0138236 |
| #3 | .0164657 | -.006657 | .0140146 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2772.665 | 3846.151 | 56642.56 | 11379.13 | 4766.315 |
| Stddev    | 6.079    | 11.817   | 132.45   | 27.10    | 5.005    |
| %RSD      | .2192483 | .3072542 | .2338436 | .2381972 | .1050172 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2779.468 | 3833.277 | 56511.79 | 11369.17 | 4768.796 |
| #2 | 2770.759 | 3856.505 | 56776.63 | 11409.80 | 4769.595 |
| #3 | 2767.767 | 3848.671 | 56639.25 | 11358.41 | 4760.554 |

Sample Name: ICSAB      Acquired: 05/02/2019 12:37:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0910231 | .1068286 | .0537408 | .0366721 | .6275132 | 233.4593 |
| Stddev | .0027702 | .0023139 | .0006049 | .0048726 | .0028076 | .2733    |
| %RSD   | 3.043379 | 2.165952 | 1.125618 | 13.28702 | .4474181 | .1170810 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0881893 | .1046133 | .0544241 | .0325870 | .6262114 | 233.4419 |
| #2 | .0937250 | .1066427 | .0535246 | .0353641 | .6255928 | 233.1951 |
| #3 | .0911551 | .1092298 | .0532737 | .0420652 | .6307354 | 233.7409 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5253299 | .5077558 | .9614131 | 251.4706 | .5681226 | .5105695 |
| Stddev | .0024631 | .0033585 | .0112430 | .9694    | .0010816 | .0050003 |
| %RSD   | .4688641 | .6614379 | 1.169422 | .3854855 | .1903890 | .9793500 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5252976 | .5078744 | .9496672 | 252.0882 | .5677600 | .5059182 |
| #2 | .5228831 | .5043396 | .9624975 | 250.3533 | .5693390 | .5099325 |
| #3 | .5278090 | .5110534 | .9720746 | 251.9703 | .5672688 | .5158577 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4925006 | 101.4889 | .5209067 | 253.5554 | 1.025322 | .1993350 |
| Stddev | .0035020 | .1841    | .0028020 | .4972    | .010271  | .0003729 |
| %RSD   | .7110679 | .1813608 | .5379027 | .1960952 | 1.001740 | .1870975 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4932574 | 101.4425 | .5226888 | 253.4742 | 1.014210 | .1990257 |
| #2 | .4955623 | 101.3324 | .5176770 | 253.1038 | 1.027286 | .1997492 |
| #3 | .4886821 | 101.6917 | .5223543 | 254.0882 | 1.034469 | .1992302 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | -.248424 | .5079732 | .9774027 | -.223422 | F .0044786 | -.054733 |
| Stddev | .103777  | .0009088 | .0031449 | .104293  | .0024378   | .001984  |
| %RSD   | 41.77391 | .1789100 | .3217585 | 46.67974 | 54.43223   | 3.625600 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.171743 | .5075165 | .9793440 | -.108657 | .0017721 | -.056912 |
| #2 | -.207018 | .5073832 | .9790899 | -.249200 | .0065019 | -.053029 |
| #3 | -.366512 | .5090197 | .9737743 | -.312408 | .0051619 | -.054259 |

Sample Name: ICSAB      Acquired: 05/02/2019 12:37:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |          |            |            |          |            |            |
|--------|----------|------------|------------|----------|------------|------------|
| Elem   | Mo2020   | S_1820     | Si2516     | Sn1899   | Ti3361     | Li6707     |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm        | ppm        |
| Avg    | .0008188 | F .0075340 | F -.002455 | -.003019 | F -.001672 | W .0029215 |
| Stddev | .0001985 | .0023811   | .000594    | .000897  | .000816    | .0010709   |
| %RSD   | 24.23984 | 31.60510   | 24.20533   | 29.69473 | 48.81380   | 36.65735   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0006103 | .0061713 | -.001877 | -.002390 | -.002538 | .0040633 |
| #2 | .0010054 | .0102834 | -.002424 | -.004046 | -.000917 | .0027617 |
| #3 | .0008409 | .0061472 | -.003064 | -.002623 | -.001561 | .0019394 |

|        |            |
|--------|------------|
| Elem   | Sr4077     |
| Units  | ppm        |
| Avg    | F .1045501 |
| Stddev | .0000054   |
| %RSD   | .0051478   |

|    |          |
|----|----------|
| #1 | .1045544 |
| #2 | .1045519 |
| #3 | .1045441 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2679.949 | 3665.555 | 54970.42 | 11152.12 | 4322.618 |
| Stddev    | 2.040    | 7.162    | 78.53    | 52.24    | 4.417    |
| %RSD      | .0761082 | .1953895 | .1428511 | .4684678 | .1021848 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2681.510 | 3658.038 | 55059.17 | 11141.19 | 4321.116 |
| #2 | 2680.697 | 3666.328 | 54942.16 | 11208.96 | 4319.148 |
| #3 | 2677.641 | 3672.300 | 54909.94 | 11106.21 | 4327.590 |

Sample Name: CCB098      Acquired: 05/02/2019 12:58:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCB098      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0025616 | -.000818 | .0019707 | -.000728 | -.000160 | .0075227 | .0003435 |
| Stddev | .0008710 | .001139  | .0004172 | .003618  | .001170  | .0039188 | .0003584 |
| %RSD   | 34.00173 | 139.2741 | 21.16901 | 497.0374 | 731.3939 | 52.09298 | 104.3260 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0030741 | -.000861 | .0023806 | -.002724 | .000052  | .0083493 | .0003450 |
| #2 | .0030548 | .000342  | .0015466 | -.002908 | -.001422 | .0032566 | .0007011 |
| #3 | .0015560 | -.001934 | .0019848 | .003448  | .000890  | .0109624 | -.000016 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000712 | .0000508 | .0062620 | .0006197 | -.000270 | .0097656 | .0149385 |
| Stddev | .0000185 | .0001213 | .0108373 | .0003594 | .000112  | .0018811 | .0015007 |
| %RSD   | 26.04210 | 238.8972 | 173.0646 | 57.99142 | 41.58023 | 19.26287 | 10.04588 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000538 | .0001502 | .0171917 | .0008369 | -.000259 | .0083284 | .0160154 |
| #2 | .0000690 | -.000084 | -.004480 | .0002049 | -.000388 | .0090737 | .0132243 |
| #3 | .0000907 | .000087  | .006075  | .0008173 | -.000164 | .0118947 | .0155759 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0009760 | .0172957 | .0001722 | .0003639 | .3279992 | .0013429 | -.001088 |
| Stddev | .0004358 | .0111682 | .0001635 | .0002415 | .0121578 | .0013938 | .001934  |
| %RSD   | 44.65122 | 64.57180 | 94.97052 | 66.37072 | 3.706643 | 103.7910 | 177.7402 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0014746 | .0159875 | .0001322 | .0005183 | .3365973 | -.000034 | -.000335 |
| #2 | .0007858 | .0290604 | .0000324 | .0004877 | .3140894 | .002753  | .000356  |
| #3 | .0006677 | .0068393 | .0003520 | .0000856 | .3333108 | .001310  | -.003285 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1570131 | .0015611 | .0119081 | .0006971 | .0007146 | .0003796 | .0022392 |
| Stddev | .0494315 | .0020281 | .0000695 | .0003786 | .0057195 | .0008221 | .0004474 |
| %RSD   | 31.48243 | 129.9122 | .5833028 | 54.30611 | 800.4013 | 216.5831 | 19.98127 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1302677 | -.000608 | .0119838 | .0009921 | .0046335 | .0012425 | .0027550 |
| #2 | .2140550 | .003411  | .0118932 | .0008290 | -.005849 | -.000395 | .0019558 |
| #3 | .1267168 | .001880  | .0118472 | .0002702 | .003359  | .000291  | .0020068 |

Sample Name: CCB098      Acquired: 05/02/2019 12:58:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCB098      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0011840 | .0086249 | .0000298 |
| Stddev | .0006317 | .0016338 | .0000779 |
| %RSD   | 53.35170 | 18.94289 | 261.3958 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0012535 | .0094098 | -.000022 |
| #2 | .0017780 | .0097182 | -.000008 |
| #3 | .0005204 | .0067468 | .000119  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2781.160 | 3912.239 | 56587.60 | 11264.15 | 4892.113 |
| Stddev    | 16.963   | 5.232    | 239.68   | 49.59    | 5.400    |
| %RSD      | .6099425 | .1337236 | .4235624 | .4402073 | .1103744 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2773.818 | 3914.662 | 56536.14 | 11208.38 | 4896.331 |
| #2 | 2800.558 | 3915.820 | 56848.83 | 11280.82 | 4893.981 |
| #3 | 2769.105 | 3906.235 | 56377.83 | 11303.25 | 4886.028 |

Sample Name: CCV098      Acquired: 05/02/2019 12:54:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCV098      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.798084 | 4.873967 | 24.54447 | 4.704523 | 4.846177 | 382.8921 | 10.20571 |
| Stddev | .013020  | .010312  | .02931   | .001977  | .008885  | 3.1504   | .18678   |
| %RSD   | .2713600 | .2115799 | .1194169 | .0420196 | .1833361 | .8227888 | 1.830126 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.783051 | 4.862077 | 24.51794 | 4.706475 | 4.846887 | 384.7797 | 10.30047 |
| #2 | 4.805785 | 4.880476 | 24.53954 | 4.702522 | 4.854685 | 379.2552 | 9.99055  |
| #3 | 4.805416 | 4.879347 | 24.57594 | 4.704572 | 4.836958 | 384.6414 | 10.32611 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4994025 | 2.458476 | 392.9389 | 15.08812 | 2.487275 | 15.09328 | 393.7927 |
| Stddev | .0072038 | .003160  | 8.4194   | .03862   | .001155  | .07958   | 5.9874   |
| %RSD   | 1.442484 | .1285325 | 2.142666 | .2559426 | .0464328 | .5272356 | 1.520450 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4983582 | 2.455565 | 396.6627 | 15.05226 | 2.487099 | 15.11599 | 395.3891 |
| #2 | .4927779 | 2.458025 | 383.2997 | 15.08309 | 2.486218 | 15.00481 | 387.1689 |
| #3 | .5070715 | 2.461837 | 398.8542 | 15.12900 | 2.488507 | 15.15903 | 398.8201 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.07642 | 380.7441 | 2.461908 | 1.252811 | 385.1619 | 2.478498 | 14.82447 |
| Stddev | .31715   | 6.4119   | .002886  | .011382  | 5.2705   | .026442  | .20664   |
| %RSD   | 2.103639 | 1.684033 | .1172457 | .9085333 | 1.368392 | 1.066846 | 1.393914 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.19089 | 382.4494 | 2.459028 | 1.256497 | 387.8213 | 2.493818 | 15.04704 |
| #2 | 14.71793 | 373.6520 | 2.461896 | 1.240042 | 379.0915 | 2.447965 | 14.78768 |
| #3 | 15.32045 | 386.1310 | 2.464800 | 1.261893 | 388.5729 | 2.493709 | 14.63870 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 151.8275 | 4.996587 | 4.578123 | 4.508840 | 4.959439 | 4.666617 | 4.632149 |
| Stddev | 1.4131   | .001884  | .084133  | .002061  | .015717  | .093298  | .005809  |
| %RSD   | .9307307 | .0377041 | 1.837711 | .0457053 | .3169101 | 1.999256 | .1254060 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 151.5242 | 4.995474 | 4.566207 | 4.506876 | 4.949371 | 4.652825 | 4.626827 |
| #2 | 150.5905 | 4.998762 | 4.500583 | 4.510986 | 4.977550 | 4.580984 | 4.638346 |
| #3 | 153.3675 | 4.995525 | 4.667578 | 4.508657 | 4.951396 | 4.766043 | 4.631274 |

Sample Name: CCV098      Acquired: 05/02/2019 12:54:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCV098      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.707032 | 5.102377 | 4.993441 |
| Stddev | .059491  | .109225  | .062371  |
| %RSD   | 1.263876 | 2.140661 | 1.249053 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.749469 | 5.135719 | 5.024429 |
| #2 | 4.639032 | 4.980367 | 4.921645 |
| #3 | 4.732595 | 5.191045 | 5.034249 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2434.585 | 3362.619 | 52542.29 | 10769.33 | 3892.822 |
| Stddev    | 20.153   | 7.753    | 367.44   | 201.15   | 8.289    |
| %RSD      | .8277636 | .2305663 | .6993258 | 1.867786 | .2129214 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2413.913 | 3366.678 | 52501.96 | 10780.80 | 3894.803 |
| #2 | 2454.175 | 3367.500 | 52928.24 | 10964.50 | 3899.940 |
| #3 | 2435.666 | 3353.679 | 52196.68 | 10562.69 | 3883.722 |

Sample Name: K2595-08DLX5      Acquired: 05/02/2019 13:02:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MJLHQ5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0022086 | .0193631 | .0123161 | -.047286 | .0072657 | 11.80735 |
| Stddev | .0022897 | .0020752 | .0012589 | .001442  | .0009647 | .03768   |
| %RSD   | 103.6694 | 10.71721 | 10.22185 | 3.050146 | 13.27707 | .3191184 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0039248 | .0171445 | .0124304 | -.048951 | .0063763 | 11.78266 |
| #2 | -.000391 | .0212564 | .0135140 | -.046496 | .0082912 | 11.85072 |
| #3 | .003092  | .0196884 | .0110039 | -.046411 | .0071295 | 11.78866 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0026353 | .0028532 | .2066491 | 45.83242 | -.004342 | .0215459 |
| Stddev | .0004228 | .0000870 | .0003278 | .38515   | .000288  | .0002485 |
| %RSD   | 16.04260 | 3.050784 | .1586342 | .8403459 | 6.624833 | 1.153499 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0021586 | .0027836 | .2070026 | 45.61089 | -.004553 | .0214644 |
| #2 | .0029648 | .0028251 | .2063551 | 46.27715 | -.004460 | .0218250 |
| #3 | .0027824 | .0029508 | .2065897 | 45.60922 | -.004014 | .0213484 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.715369 | 318.5378 | 1.680673 | 11.61388 | .0804078 | -.020169 |
| Stddev | .009915  | 1.6359   | .016512  | .06622   | .0007046 | .000483  |
| %RSD   | .1285119 | .5135728 | .9824602 | .5701708 | .8763047 | 2.392794 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.707465 | 317.7459 | 1.675188 | 11.55502 | .0807477 | -.019896 |
| #2 | 7.726494 | 320.4190 | 1.699229 | 11.68558 | .0808780 | -.019884 |
| #3 | 7.712149 | 317.4485 | 1.667601 | 11.60103 | .0795976 | -.020726 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | 1.356837 | .0196975 | F 83.75557 | .0278818 | .0217688 | -.112573 |
| Stddev | .173314  | .0011154 | .69288     | .0961536 | .0030676 | .005513  |
| %RSD   | 12.77338 | 5.662429 | .8272658   | 344.8617 | 14.09156 | 4.897594 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.477956 | .0208357 | 84.44035 | .1386769 | .0191575 | -.113063 |
| #2 | 1.158309 | .0196503 | 83.77149 | -.021284 | .0210017 | -.106830 |
| #3 | 1.434246 | .0186065 | 83.05487 | -.033748 | .0251471 | -.117824 |

Sample Name: K2595-08DLX5      Acquired: 05/02/2019 13:02:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MJLHQ5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001540 | 265.6936 | 6.876721 | -.000104 | .0046901 | .0057154 |
| Stddev | .000276  | .1638    | .026436  | .000510  | .0002957 | .0008478 |
| %RSD   | 17.93291 | .0616668 | .3844284 | 488.4934 | 6.303874 | 14.83424 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.001848 | 265.5224 | 6.846801 | .000211  | .0044093 | .0057987 |
| #2 | -.001461 | 265.8489 | 6.886441 | -.000692 | .0046623 | .0065184 |
| #3 | -.001313 | 265.7094 | 6.896921 | .000169  | .0049987 | .0048289 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0590708 |
| Stddev | .0001495 |
| %RSD   | .2530991 |

|    |          |
|----|----------|
| #1 | .0590220 |
| #2 | .0592386 |
| #3 | .0589518 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2865.743 | 4001.268 | 58565.26 | 11726.34 | 4878.740 |
| Stddev    | 28.776   | 3.137    | 288.23   | 23.15    | 7.642    |
| %RSD      | 1.004131 | .0784061 | .4921585 | .1974266 | .1566470 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2832.560 | 4002.554 | 58233.78 | 11712.26 | 4875.211 |
| #2 | 2880.841 | 3997.692 | 58756.90 | 11713.71 | 4873.499 |
| #3 | 2883.828 | 4003.557 | 58705.09 | 11753.06 | 4887.509 |

Sample Name: PB119410BL      Acquired: 05/02/2019 13:06:30      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: PBW410      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000335 | -.001432 | .0004122 | -.001212 | .0008212 | .0001985 | .0007171 |
| Stddev | .002957  | .000865  | .0017365 | .000156  | .0010152 | .0054119 | .0001812 |
| %RSD   | 881.6202 | 60.36333 | 421.2947 | 12.89316 | 123.6265 | 2726.365 | 25.26598 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.003392 | -.002081 | -.001540 | -.001359 | .0019617 | -.001273 | .0005627 |
| #2 | -.000125 | -.000451 | .000990  | -.001229 | .0004859 | .006194  | .0006720 |
| #3 | .002511  | -.001766 | .001786  | -.001048 | .0000161 | -.004326 | .0009165 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000960 | -.000030 | -.003364 | -.000054 | -.000269 | .0065300 | .0108573 |
| Stddev | .0000059 | .000030  | .005359  | .000334  | .000268  | .0015798 | .0022931 |
| %RSD   | 6.121194 | 103.1738 | 159.3119 | 614.5126 | 99.80951 | 24.19246 | 21.12038 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000892 | -.000008 | .002453  | -.000314 | -.000564 | .0068379 | .0121247 |
| #2 | .0000999 | -.000016 | -.004443 | -.000171 | -.000041 | .0079331 | .0082102 |
| #3 | .0000987 | -.000064 | -.008101 | .000322  | -.000200 | .0048189 | .0122369 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005393 | -.001849 | -.000315 | -.000010 | .1862289 | .0013306 | .0026091 |
| Stddev | .0000508 | .014958  | .000448  | .000381  | .2077023 | .0030477 | .0003584 |
| %RSD   | 9.419054 | 809.0945 | 142.2275 | 3660.993 | 111.5306 | 229.0550 | 13.73595 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0005251 | -.013685 | .000125  | -.000446 | .3846066 | .0048014 | .0022107 |
| #2 | .0004970 | -.006824 | -.000300 | .000262  | -.029686 | -.000908 | .0027115 |
| #3 | .0005956 | .014963  | -.000770 | .000153  | .203766  | .000099  | .0029052 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.096206 | -.000422 | .0040658 | .0003637 | .0054164 | -.000998 | -.000351 |
| Stddev | .054391  | .001755  | .0013026 | .0003684 | .0015725 | .000258  | .001106  |
| %RSD   | 56.53618 | 416.3975 | 32.03708 | 101.2942 | 29.03200 | 25.85983 | 315.3126 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.039117 | -.000673 | .0054867 | .0007709 | .0056416 | -.000713 | .000762  |
| #2 | -.102078 | -.002038 | .0029280 | .0002663 | .0068642 | -.001217 | -.001448 |
| #3 | -.147423 | .001446  | .0037829 | .0000537 | .0037435 | -.001064 | -.000366 |

Sample Name: PB119410BL      Acquired: 05/02/2019 13:06:30      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: PBW410      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0011053 | .0001546 | -.000097 |
| Stddev | .0006639 | .0015390 | .000082  |
| %RSD   | 60.06689 | 995.7269 | 84.52798 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0018059 | -.001469 | -.000129 |
| #2 | .0004855 | .000340  | -.000004 |
| #3 | .0010246 | .001593  | -.000158 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2792.901 | 3907.233 | 56785.28 | 11338.48 | 4880.178 |
| Stddev    | 16.372   | 15.695   | 255.17   | 89.51    | 10.216   |
| %RSD      | .5861927 | .4016841 | .4493558 | .7894428 | .2093302 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2794.372 | 3915.498 | 56845.03 | 11290.20 | 4883.919 |
| #2 | 2775.844 | 3917.068 | 56505.53 | 11283.48 | 4887.995 |
| #3 | 2808.488 | 3889.133 | 57005.26 | 11441.76 | 4868.619 |

Sample Name: K2605-07      Acquired: 05/02/2019 13:14:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5143      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0028852 | .0017716 | .0001112 | -.001041 | -.001158 | .0147797 | .0005361 |
| Stddev | .0011560 | .0011484 | .0012255 | .002205  | .000333  | .0122509 | .0002303 |
| %RSD   | 40.06825 | 64.82308 | 1102.037 | 211.7492 | 28.78629 | 82.88998 | 42.96135 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0033940 | .0008334 | .0011408 | .000061  | -.000909 | .0087969 | .0005877 |
| #2 | .0015620 | .0014291 | .0004372 | -.003580 | -.001028 | .0288725 | .0002843 |
| #3 | .0036995 | .0030523 | -.001244 | .000395  | -.001537 | .0066698 | .0007362 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001769 | .0000463 | .0965377 | -.000327 | -.000076 | -.002139 | .0405139 |
| Stddev | .0001044 | .0000684 | .0044290 | .000375  | .000088  | .001009  | .0072651 |
| %RSD   | 59.02308 | 147.6485 | 4.587886 | 114.6804 | 116.8067 | 47.20243 | 17.93227 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001843 | .0001097 | .0958104 | -.000662 | .000001  | -.001885 | .0353275 |
| #2 | .0000690 | .0000555 | .1012854 | -.000398 | -.000056 | -.001280 | .0373968 |
| #3 | .0002773 | -.000026 | .0925173 | .000078  | -.000173 | -.003251 | .0488174 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006131 | .0204229 | .0000442 | .0003140 | -.004292 | .0022841 | .0022679 |
| Stddev | .0002428 | .0261174 | .0005728 | .0004080 | .418336  | .0021967 | .0003756 |
| %RSD   | 39.61019 | 127.8827 | 1297.371 | 129.9416 | 9747.429 | 96.17426 | 16.56297 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0003372 | -.002120 | .0002638 | -.000152 | -.456169 | .0044105 | .0023788 |
| #2 | .0007946 | .049043  | -.000606 | .000609  | .369497  | .0024188 | .0018493 |
| #3 | .0007075 | .014345  | .000475  | .000485  | .073797  | .0000232 | .0025755 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.672913 | -.000614 | .0003858 | -.000591 | .0096850 | .0072018 | -.004469 |
| Stddev | .085305  | .000571  | .0006880 | .000119  | .0048891 | .0007658 | .000832  |
| %RSD   | 12.67696 | 93.07732 | 178.3137 | 20.11452 | 50.48145 | 10.63379 | 18.61035 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.582034 | -.000133 | .0006170 | -.000727 | .0090912 | .0080498 | -.003722 |
| #2 | -.751257 | -.001245 | .0009285 | -.000515 | .0051198 | .0065607 | -.004320 |
| #3 | -.685447 | -.000462 | -.000388 | -.000530 | .0148438 | .0069950 | -.005365 |

Sample Name: K2605-07      Acquired: 05/02/2019 13:14:46      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5143      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0007132 | -.017332 | .0004023 |
| Stddev | .0018896 | .000461  | .0000132 |
| %RSD   | 264.9521 | 2.657902 | 3.281504 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000847 | -.016808 | .0004143 |
| #2 | .002814  | -.017672 | .0004044 |
| #3 | .000173  | -.017516 | .0003882 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2950.538 | 4081.502 | 59373.56 | 11698.16 | 5051.979 |
| Stddev    | 17.316   | 10.156   | 99.75    | 154.56   | 14.910   |
| %RSD      | .5868594 | .2488179 | .1679996 | 1.321203 | .2951265 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2956.087 | 4093.128 | 59262.86 | 11870.75 | 5067.059 |
| #2 | 2964.398 | 4074.363 | 59456.47 | 11572.54 | 5037.246 |
| #3 | 2931.128 | 4077.016 | 59401.34 | 11651.18 | 5051.631 |

Sample Name: PB119410BS      Acquired: 05/02/2019 13:10:38      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: LCS410      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0187302 | .0490681 | .0205956 | .0758288 | .1320618 | .3881842 |
| Stddev | .0017595 | .0011041 | .0006570 | .0013866 | .0009069 | .0089972 |
| %RSD   | 9.393844 | 2.250112 | 3.189966 | 1.828630 | .6867378 | 2.317775 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0193966 | .0502655 | .0213362 | .0742309 | .1310987 | .3880409 |
| #2 | .0200592 | .0488483 | .0203681 | .0767166 | .1321872 | .3972522 |
| #3 | .0167349 | .0480904 | .0200827 | .0765388 | .1328995 | .3792594 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4341077 | .0108178 | .0098514 | 10.63513 | .0230712 | .1000428 |
| Stddev | .0015425 | .0001500 | .0000182 | .04951   | .0003196 | .0004679 |
| %RSD   | .3553340 | 1.386736 | .1842782 | .4655492 | 1.385461 | .4677383 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4353352 | .0108738 | .0098427 | 10.65890 | .0229696 | .1001487 |
| #2 | .4323763 | .0106479 | .0098392 | 10.57822 | .0234293 | .0995310 |
| #3 | .4346117 | .0109318 | .0098723 | 10.66828 | .0228147 | .1004487 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0537625 | .2311702 | .0353568 | 10.16899 | .0848624 | .0218884 |
| Stddev | .0009696 | .0017932 | .0002800 | .09224   | .0000703 | .0004853 |
| %RSD   | 1.803581 | .7757163 | .7919082 | .9070266 | .0827795 | 2.216996 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0541650 | .2328759 | .0353055 | 10.14149 | .0849427 | .0213838 |
| #2 | .0544660 | .2313339 | .0351061 | 10.09363 | .0848319 | .0223516 |
| #3 | .0526564 | .2293007 | .0356589 | 10.27185 | .0848125 | .0219298 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 10.26374 | .1091798 | .1206138 | 10.05014 | .0216103 | F .0255290 |
| Stddev | .39684   | .0031869 | .0036285 | .10244   | .0011060 | .0006656   |
| %RSD   | 3.866458 | 2.918927 | 3.008363 | 1.019242 | 5.118009 | 2.607029   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.49953 | .1127928 | .1208601 | 10.08855 | .0203362 | .0247606 |
| #2 | 9.80557  | .1067685 | .1168685 | 9.93405  | .0223232 | .0259241 |
| #3 | 10.48613 | .1079781 | .1241129 | 10.12782 | .0221715 | .0259023 |

Sample Name: PB119410BS      Acquired: 05/02/2019 13:10:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: LCS410      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .0217186 | .1868113 | .2225762 | .0126708 | .2241354 | F .1033248 |
| Stddev | .0004180 | .0033404 | .0006341 | .0011776 | .0014112 | .0017302   |
| %RSD   | 1.924812 | 1.788132 | .2849121 | 9.293869 | .6296288 | 1.674542   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0214622 | .1831411 | .2229125 | .0114439 | .2225061 | .1019045 |
| #2 | .0214925 | .1876188 | .2229713 | .0137920 | .2249741 | .1028180 |
| #3 | .0222010 | .1896740 | .2218447 | .0127767 | .2249259 | .1052518 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2101553 |
| Stddev | .0005315 |
| %RSD   | .2529025 |

|    |          |
|----|----------|
| #1 | .2097960 |
| #2 | .2099042 |
| #3 | .2107659 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2801.921 | 3888.729 | 56687.62 | 11354.87 | 4906.377 |
| Stddev    | 6.719    | 4.670    | 281.99   | 58.81    | 6.109    |
| %RSD      | .2397999 | .1200993 | .4974376 | .5178862 | .1245112 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2808.958 | 3884.665 | 56840.76 | 11412.05 | 4901.483 |
| #2 | 2801.230 | 3893.831 | 56362.20 | 11358.00 | 4904.424 |
| #3 | 2795.574 | 3887.692 | 56859.90 | 11294.56 | 4913.223 |

Sample Name: PB119371BL      Acquired: 05/02/2019 13:23:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: PBS371      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001033 | .0003167 | .0004710 | -.000212 | .0014253 | .0002565 | .0000419 |
| Stddev | .002430  | .0011655 | .0009247 | .002272  | .0009487 | .0020898 | .0005934 |
| %RSD   | 235.2564 | 368.0328 | 196.2983 | 1072.882 | 66.56376 | 814.6543 | 1415.709 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .001525  | -.000523 | .0014858 | .001815  | .0012425 | -.002152 | .0003385 |
| #2 | -.003310 | .001647  | .0002512 | .000217  | .0024520 | .001589  | .0004286 |
| #3 | -.001313 | -.000174 | -.000324 | -.002667 | .0005812 | .001333  | -.000641 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001958 | -.000010 | -.012221 | -.000532 | -.000215 | .0037698 | .0028851 |
| Stddev | .0000988 | .000048  | .006831  | .000249  | .000214  | .0005855 | .0054795 |
| %RSD   | 50.44290 | 490.1715 | 55.89037 | 46.85073 | 99.38190 | 15.53243 | 189.9214 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000835 | -.000009 | -.013343 | -.000379 | -.000027 | .0031004 | .0091959 |
| #2 | .0002346 | .000038  | -.004899 | -.000820 | -.000448 | .0040221 | .0001239 |
| #3 | .0002692 | -.000059 | -.018422 | -.000397 | -.000170 | .0041869 | -.000664 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001360 | -.005098 | -.000021 | .0004174 | .1542757 | .0016748 | -.003542 |
| Stddev | .0002401 | .003797  | .000313  | .0005577 | .0889276 | .0022625 | .000345  |
| %RSD   | 176.5594 | 74.46793 | 1515.155 | 133.6140 | 57.64203 | 135.0909 | 9.746400 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002629 | -.003267 | .000114  | .0001436 | .1577049 | .0025310 | -.003926 |
| #2 | -.000141 | -.002564 | .000203  | .0010591 | .0636830 | -.000891 | -.003442 |
| #3 | .000286  | -.009463 | -.000379 | .0000495 | .2414391 | .003384  | -.003258 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.078274 | -.000862 | -.000192 | .0001738 | .0018278 | -.002109 | -.001918 |
| Stddev | .073584  | .001023  | .000322  | .0002531 | .0052941 | .001589  | .000591  |
| %RSD   | 94.00799 | 118.7279 | 167.1636 | 145.5981 | 289.6458 | 75.34252 | 30.81045 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.152046 | .000291  | -.000327 | -.000065 | -.003605 | -.003546 | -.002487 |
| #2 | -.077898 | -.001664 | -.000425 | .000439  | .006971  | -.000403 | -.001307 |
| #3 | -.004879 | -.001213 | .000175  | .000147  | .002117  | -.002377 | -.001961 |

Sample Name: PB119371BL      Acquired: 05/02/2019 13:23:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: PBS371      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0007518 | -.003364 | -.000075 |
| Stddev | .0004886 | .001712  | .000068  |
| %RSD   | 64.98718 | 50.89225 | 90.68639 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0001928 | -.003247 | -.000079 |
| #2 | .0010969 | -.001714 | -.000005 |
| #3 | .0009658 | -.005132 | -.000142 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2781.630 | 3866.710 | 56467.56 | 11317.50 | 4843.466 |
| Stddev    | 12.777   | 14.437   | 59.05    | 70.80    | 15.688   |
| %RSD      | .4593319 | .3733687 | .1045814 | .6255677 | .3239091 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2795.490 | 3860.747 | 56477.93 | 11393.80 | 4826.838 |
| #2 | 2770.321 | 3883.173 | 56520.74 | 11253.94 | 4858.005 |
| #3 | 2779.079 | 3856.210 | 56404.00 | 11304.75 | 4845.556 |

Sample Name: K2605-07RE      Acquired: 05/02/2019 13:18:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5143      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005691 | .0010419 | .0009732 | -.002005 | -.001713 | .0036861 | .0000338 |
| Stddev | .0033170 | .0008833 | .0012015 | .002432  | .000710  | .0135881 | .0001386 |
| %RSD   | 582.8153 | 84.78566 | 123.4519 | 121.2871 | 41.42605 | 368.6343 | 409.4507 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0011105 | .0012540 | .0006554 | .000801  | -.002265 | -.008280 | -.000097 |
| #2 | .0035822 | .0000717 | .0023017 | -.003499 | -.001963 | .000881  | .000019  |
| #3 | -.002985 | .0017998 | -.000037 | -.003316 | -.000913 | .018458  | .000179  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002285 | -.000097 | .0706622 | -.000368 | -.000164 | -.003586 | .0330924 |
| Stddev | .0000439 | .000081  | .0040899 | .000565  | .000182  | .003100  | .0059757 |
| %RSD   | 19.19562 | 83.46088 | 5.787928 | 153.7274 | 111.0634 | 86.43821 | 18.05777 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002539 | -.000185 | .0727692 | .000246  | .000041  | -.006871 | .0368008 |
| #2 | .0001779 | -.000078 | .0732690 | -.000483 | -.000228 | -.000712 | .0362775 |
| #3 | .0002538 | -.000027 | .0659485 | -.000866 | -.000306 | -.003176 | .0261988 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005842 | .0091560 | .0000799 | .0002765 | .1448956 | .0003550 | -.006085 |
| Stddev | .0002329 | .0175955 | .0001302 | .0000830 | .0564734 | .0009331 | .000995  |
| %RSD   | 39.86181 | 192.1739 | 163.0709 | 30.01067 | 38.97522 | 262.8417 | 16.34973 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0005745 | -.007555 | .0000954 | .0001988 | .2030098 | -.000118 | -.006936 |
| #2 | .0003564 | .007504  | -.000057 | .0002667 | .1414568 | .001430  | -.004991 |
| #3 | .0008219 | .027519  | .000202  | .0003639 | .0902202 | -.000247 | -.006329 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.744287 | .0002189 | -.003057 | -.000845 | .0099983 | .0056785 | -.004270 |
| Stddev | .037762  | .0019436 | .000420  | .000061  | .0042359 | .0001408 | .001192  |
| %RSD   | 5.073603 | 888.0748 | 13.73281 | 7.193633 | 42.36602 | 2.479748 | 27.91062 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.744766 | -.001705 | -.002711 | -.000916 | .0106233 | .0058059 | -.003247 |
| #2 | -.706287 | .000179  | -.003524 | -.000810 | .0054846 | .0055273 | -.003983 |
| #3 | -.781807 | .002182  | -.002936 | -.000811 | .0138870 | .0057024 | -.005578 |

Sample Name: K2605-07RE      Acquired: 05/02/2019 13:18:56      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5143      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0006767 | -.016676 | .0002182 |
| Stddev | .0004185 | .001228  | .0000861 |
| %RSD   | 61.85016 | 7.365690 | 39.44301 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0004620 | -.017981 | .0001237 |
| #2 | .0011590 | -.015543 | .0002920 |
| #3 | .0004091 | -.016503 | .0002389 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2950.225 | 4098.948 | 59434.82 | 11822.44 | 5121.306 |
| Stddev    | 12.978   | 7.501    | 212.55   | 112.62   | 10.692   |
| %RSD      | .4398876 | .1830082 | .3576110 | .9526255 | .2087769 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2962.064 | 4107.356 | 59294.47 | 11939.88 | 5133.186 |
| #2 | 2952.262 | 4096.548 | 59330.64 | 11812.08 | 5112.454 |
| #3 | 2936.349 | 4092.941 | 59679.36 | 11715.35 | 5118.279 |

Sample Name: K2605-03      Acquired: 05/02/2019 13:31:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5138      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0477370 | .0076684 | .6219213 | -.017273 | .0032749 | 36.81262 | .0866455 |
| Stddev | .0032573 | .0008389 | .0012085 | .003347  | .0011784 | .04663   | .0004399 |
| %RSD   | 6.823350 | 10.94009 | .1943223 | 19.37500 | 35.98305 | .1266813 | .5077300 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0474564 | .0086282 | .6211399 | -.020287 | .0019679 | 36.76117 | .0870652 |
| #2 | .0511255 | .0073026 | .6233133 | -.013672 | .0036005 | 36.82457 | .0866833 |
| #3 | .0446291 | .0070746 | .6213107 | -.017860 | .0042563 | 36.85211 | .0861878 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0030827 | .0007239 | 12.71363 | .3751129 | .0360346 | .1883634 | 130.2365 |
| Stddev | .0000442 | .0001724 | .05001   | .0006530 | .0001551 | .0007457 | .2442    |
| %RSD   | 1.435430 | 23.81980 | .3933594 | .1740728 | .4303765 | .3958644 | .1874930 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0030789 | .0009081 | 12.66699 | .3757537 | .0360409 | .1882533 | 130.0375 |
| #2 | .0030405 | .0006974 | 12.70746 | .3744484 | .0358765 | .1876790 | 130.1630 |
| #3 | .0031287 | .0005663 | 12.76644 | .3751367 | .0361865 | .1891580 | 130.5090 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.055941 | 21.34429 | .1122879 | -.008282 | 1.557789 | .1900309 | .4446987 |
| Stddev | .004603  | .12245   | .0004544 | .000301  | .050547  | .0009090 | .0038311 |
| %RSD   | .4358750 | .5736777 | .4046561 | 3.638194 | 3.244782 | .4783363 | .8615002 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.050760 | 21.20866 | .1122215 | -.008602 | 1.612648 | .1896618 | .4463144 |
| #2 | 1.057506 | 21.37753 | .1118703 | -.008004 | 1.547618 | .1893645 | .4474572 |
| #3 | 1.059557 | 21.44669 | .1127718 | -.008240 | 1.513101 | .1910663 | .4403244 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.182187 | 3.631314 | -.026197 | .0067217 | 1.701870 | 1.084499 | .0164869 |
| Stddev | .020296  | .005444  | .001536  | .0002580 | .007125  | .016548  | .0008980 |
| %RSD   | .6378066 | .1499148 | 5.863838 | 3.837613 | .4186825 | 1.525881 | 5.446482 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.170420 | 3.625153 | -.027348 | .0068230 | 1.698324 | 1.102701 | .0172062 |
| #2 | 3.170518 | 3.633317 | -.024453 | .0064285 | 1.697213 | 1.070362 | .0167739 |
| #3 | 3.205623 | 3.635473 | -.026790 | .0069136 | 1.710073 | 1.080433 | .0154805 |

Sample Name: K2605-03      Acquired: 05/02/2019 13:31:19      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5138      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.051931 | .0719920 | .0655876 |
| Stddev | .005236  | .0012866 | .0001765 |
| %RSD   | .2551843 | 1.787204 | .2690246 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.046811 | .0718080 | .0654610 |
| #2 | 2.057276 | .0733607 | .0655127 |
| #3 | 2.051706 | .0708072 | .0657892 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2863.684 | 3990.388 | 58475.57 | 11790.56 | 4806.960 |
| Stddev    | 7.621    | 13.913   | 254.88   | 21.30    | 11.811   |
| %RSD      | .2661313 | .3486568 | .4358743 | .1806696 | .2457090 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2872.405 | 3992.982 | 58726.49 | 11807.24 | 4807.983 |
| #2 | 2860.341 | 4002.822 | 58216.91 | 11797.88 | 4818.226 |
| #3 | 2858.305 | 3975.361 | 58483.31 | 11766.57 | 4794.670 |

Sample Name: PB119371BS      Acquired: 05/02/2019 13:27:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: LCS371      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0181708 | .0491445 | .0203697 | .0752636 | .1297124 | .3886093 |
| Stddev | .0023415 | .0010209 | .0007451 | .0011437 | .0017315 | .0082721 |
| %RSD   | 12.88626 | 2.077291 | 3.657862 | 1.519639 | 1.334868 | 2.128644 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0208685 | .0481611 | .0196604 | .0752883 | .1310386 | .3790575 |
| #2 | .0169786 | .0501991 | .0211461 | .0741078 | .1277535 | .3934110 |
| #3 | .0166652 | .0490733 | .0203025 | .0763948 | .1303450 | .3933594 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4270560 | .0106753 | .0096437 | 10.46180 | .0230965 | .0992822 |
| Stddev | .0035020 | .0001480 | .0000536 | .10345   | .0001928 | .0001259 |
| %RSD   | .8200408 | 1.386760 | .5553520 | .9888619 | .8346548 | .1267786 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4287316 | .0106752 | .0096208 | 10.51296 | .0230979 | .0994219 |
| #2 | .4230310 | .0105274 | .0096055 | 10.34273 | .0232885 | .0991776 |
| #3 | .4294055 | .0108235 | .0097049 | 10.52970 | .0229029 | .0992471 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0541555 | .2263836 | .0352366 | 10.05461 | .0838318 | .0213040 |
| Stddev | .0010915 | .0057501 | .0003603 | .09458   | .0006875 | .0003353 |
| %RSD   | 2.015595 | 2.539983 | 1.022543 | .9406370 | .8201038 | 1.573894 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0548888 | .2197842 | .0348536 | 10.07564 | .0839058 | .0209236 |
| #2 | .0529010 | .2290514 | .0352873 | 9.95128  | .0831102 | .0214314 |
| #3 | .0546765 | .2303153 | .0355689 | 10.13690 | .0844793 | .0215569 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 10.26720 | .1098500 | .1198768 | 10.04617 | .0201858 | F .0234246 |
| Stddev | .19140   | .0019253 | .0019258 | .00656   | .0009302 | .0009906   |
| %RSD   | 1.864163 | 1.752672 | 1.606476 | .0652665 | 4.608402 | 4.228825   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.05088 | .1083670 | .1180580 | 10.03862 | .0212568 | .0244383 |
| #2 | 10.33618 | .1091571 | .1196784 | 10.05047 | .0197220 | .0233767 |
| #3 | 10.41455 | .1120258 | .1218942 | 10.04942 | .0195787 | .0224589 |

Sample Name: PB119371BS      Acquired: 05/02/2019 13:27:15      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: LCS371      Custom ID2:      Custom ID3:  
 Comment:

| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707     |
|--------|----------|----------|----------|------------|----------|------------|
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm        |
| Avg    | .0215662 | .1851737 | .2205759 | F .1040849 | .2219729 | F .1022837 |
| Stddev | .0001319 | .0011207 | .0031836 | .0011040   | .0013410 | .0010647   |
| %RSD   | .6114637 | .6052289 | 1.443328 | 1.060641   | .6041301 | 1.040890   |
| #1     | .0215265 | .1848559 | .2219900 | .1029021   | .2211822 | .1035116   |
| #2     | .0217134 | .1864190 | .2169302 | .1050880   | .2212153 | .1016186   |
| #3     | .0214588 | .1842462 | .2228076 | .1042645   | .2235213 | .1017208   |

| Elem   | Sr4077   |
|--------|----------|
| Units  | ppm      |
| Avg    | .2092066 |
| Stddev | .0002963 |
| %RSD   | .1416256 |
| #1     | .2092746 |
| #2     | .2088823 |
| #3     | .2094631 |

| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
|-----------|----------|----------|----------|----------|----------|
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2743.845 | 3837.799 | 55706.47 | 11166.48 | 4839.045 |
| Stddev    | 10.283   | 12.195   | 66.64    | 54.15    | 14.543   |
| %RSD      | .3747784 | .3177686 | .1196224 | .4849515 | .3005298 |
| #1        | 2737.560 | 3845.962 | 55724.84 | 11134.15 | 4849.541 |
| #2        | 2738.262 | 3843.655 | 55632.57 | 11228.99 | 4845.150 |
| #3        | 2755.712 | 3823.780 | 55761.99 | 11136.28 | 4822.445 |

Sample Name: K2605-05      Acquired: 05/02/2019 13:39:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5140      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1109007 | .0093898 | .0790856 | -.026762 | .0014722 | 108.7707 | .5134853 |
| Stddev | .0024437 | .0020123 | .0015005 | .001132  | .0016047 | .4875    | .0066445 |
| %RSD   | 2.203485 | 21.43084 | 1.897282 | 4.230963 | 109.0033 | .4482331 | 1.294008 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1113382 | .0096317 | .0775477 | -.028015 | .0019058 | 108.5318 | .5089869 |
| #2 | .1130960 | .0112703 | .0805457 | -.025812 | -.000305 | 108.4486 | .5103518 |
| #3 | .1082677 | .0072675 | .0791634 | -.026459 | .002815  | 109.3316 | .5211172 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0076286 | .0005830 | 13.69534 | .2290973 | .0903730 | .1287933 | 156.7461 |
| Stddev | .0000621 | .0000211 | .18125   | .0002178 | .0002995 | .0009133 | 1.4332   |
| %RSD   | .8138327 | 3.624656 | 1.323416 | .0950847 | .3314249 | .7091492 | .9143136 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0076172 | .0005613 | 13.53824 | .2293109 | .0901288 | .1277947 | 155.4136 |
| #2 | .0075729 | .0005844 | 13.65413 | .2291053 | .0907072 | .1295863 | 156.5626 |
| #3 | .0076955 | .0006034 | 13.89364 | .2288755 | .0902830 | .1289990 | 158.2622 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.980881 | 34.17572 | .2666213 | -.010611 | 2.585777 | .1981450 | .2860919 |
| Stddev | .028551  | .36105   | .0005996 | .000250  | .257048  | .0020568 | .0010274 |
| %RSD   | 1.441330 | 1.056438 | .2248700 | 2.360535 | 9.940858 | 1.038013 | .3591212 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.956689 | 33.84270 | .2660641 | -.010329 | 2.679843 | .1963973 | .2849984 |
| #2 | 1.973581 | 34.12504 | .2665442 | -.010807 | 2.294946 | .2004115 | .2870371 |
| #3 | 2.012374 | 34.55943 | .2672557 | -.010695 | 2.782543 | .1976262 | .2862401 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 17.83458 | 5.305321 | -.058034 | .0033480 | .1782099 | 1.748829 | -.000387 |
| Stddev | .01384   | .007666  | .003769  | .0002183 | .0064540 | .008158  | .000833  |
| %RSD   | .0776146 | .1444930 | 6.494728 | 6.520798 | 3.621556 | .4664598 | 215.2853 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 17.83981 | 5.302654 | -.060098 | .0032450 | .1760173 | 1.745197 | -.000292 |
| #2 | 17.84504 | 5.299344 | -.060321 | .0032003 | .1854745 | 1.743117 | -.001264 |
| #3 | 17.81888 | 5.313963 | -.053684 | .0035988 | .1731379 | 1.758171 | .000394  |

Sample Name: K2605-05      Acquired: 05/02/2019 13:39:13      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5140      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.478847 | .1292651 | .0333587 |
| Stddev | .027346  | .0031328 | .0000571 |
| %RSD   | .6105485 | 2.423550 | .1710858 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.454050 | .1265206 | .0333591 |
| #2 | 4.474315 | .1285966 | .0334156 |
| #3 | 4.508175 | .1326782 | .0333015 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3002.881 | 4180.680 | 61196.99 | 12392.17 | 4723.975 |
| Stddev    | 23.987   | 14.522   | 189.00   | 122.01   | 12.616   |
| %RSD      | .7987945 | .3473523 | .3088408 | .9845540 | .2670592 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3030.300 | 4174.980 | 61400.92 | 12518.39 | 4726.585 |
| #2 | 2992.570 | 4197.186 | 61027.71 | 12383.24 | 4735.083 |
| #3 | 2985.774 | 4169.872 | 61162.34 | 12274.87 | 4710.259 |

Sample Name: K2605-04      Acquired: 05/02/2019 13:35:17      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5139      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1303357 | .0133429 | .0815684 | -.028549 | .0045582 | 95.01153 | .4959474 |
| Stddev | .0067768 | .0016716 | .0006298 | .002025  | .0005259 | .52062   | .0055764 |
| %RSD   | 5.199462 | 12.52786 | .7721073 | 7.091415 | 11.53773 | .5479493 | 1.124400 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1237956 | .0118719 | .0822549 | -.027640 | .0039607 | 95.61248 | .5021251 |
| #2 | .1298850 | .0129962 | .0810174 | -.027140 | .0047629 | 94.72442 | .4944314 |
| #3 | .1373266 | .0151607 | .0814328 | -.030869 | .0049509 | 94.69768 | .4912858 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0081104 | .0014709 | 14.50537 | .2405398 | .1919291 | .1414756 | 179.2884 |
| Stddev | .0000274 | .0001509 | .16663   | .0006692 | .0008289 | .0001573 | 1.1652   |
| %RSD   | .3374358 | 10.25625 | 1.148769 | .2782116 | .4318764 | .1111724 | .6498826 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0080875 | .0013792 | 14.69124 | .2405522 | .1909953 | .1415901 | 180.5984 |
| #2 | .0081407 | .0016450 | 14.45553 | .2398645 | .1925779 | .1415404 | 178.8990 |
| #3 | .0081031 | .0013884 | 14.36934 | .2412027 | .1922141 | .1412963 | 178.3679 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.901320 | 36.27224 | .3618974 | -.011329 | 2.255235 | .2135676 | .2976508 |
| Stddev | .042804  | .27004   | .0007490 | .000166  | .092820  | .0065473 | .0016076 |
| %RSD   | 1.097164 | .7444750 | .2069771 | 1.461420 | 4.115742 | 3.065680 | .5400858 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.947586 | 36.55592 | .3613387 | -.011451 | 2.311694 | .2195862 | .2980840 |
| #2 | 3.893242 | 36.24248 | .3616049 | -.011395 | 2.305904 | .2065961 | .2989974 |
| #3 | 3.863130 | 36.01831 | .3627485 | -.011140 | 2.148109 | .2145205 | .2958710 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 17.33308 | 5.845558 | -.064881 | .0051566 | .0608582 | 1.701617 | -.001884 |
| Stddev | .13523   | .012966  | .004502  | .0003045 | .0033413 | .025086  | .000533  |
| %RSD   | .7801567 | .2218103 | 6.938536 | 5.905731 | 5.490213 | 1.474218 | 28.30841 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 17.46924 | 5.859979 | -.067312 | .0054101 | .0570751 | 1.722117 | -.002480 |
| #2 | 17.33118 | 5.834864 | -.067645 | .0052410 | .0620944 | 1.709089 | -.001718 |
| #3 | 17.19881 | 5.841830 | -.059686 | .0048188 | .0634053 | 1.673644 | -.001453 |

Sample Name: K2605-04      Acquired: 05/02/2019 13:35:17      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5139      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.048137 | .1300728 | .0340092 |
| Stddev | .034842  | .0003863 | .0003321 |
| %RSD   | .8606820 | .2969703 | .9765714 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.088363 | .1300032 | .0343688 |
| #2 | 4.027447 | .1304891 | .0339446 |
| #3 | 4.028600 | .1297260 | .0337141 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3032.666 | 4218.517 | 62006.17 | 12382.43 | 4757.963 |
| Stddev    | 11.836   | 8.270    | 247.59   | 144.32   | 9.392    |
| %RSD      | .3902685 | .1960419 | .3993023 | 1.165492 | .1974040 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3027.565 | 4208.971 | 62038.51 | 12231.35 | 4748.478 |
| #2 | 3024.236 | 4223.531 | 61743.99 | 12397.06 | 4767.260 |
| #3 | 3046.197 | 4223.047 | 62236.00 | 12518.87 | 4758.153 |

Sample Name: K2605-08      Acquired: 05/02/2019 13:47:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5144      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1019999 | .0182441 | .0773730 | -.033620 | .0025102 | 121.1830 | .4577501 |
| Stddev | .0018080 | .0022723 | .0008808 | .001567  | .0035714 | .6133    | .0043765 |
| %RSD   | 1.772537 | 12.45484 | 1.138424 | 4.660965 | 142.2745 | .5060762 | .9560864 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1030858 | .0172701 | .0764438 | -.035410 | .0040532 | 121.8198 | .4622200 |
| #2 | .0999127 | .0166212 | .0781958 | -.032954 | -.001573 | 120.5964 | .4534734 |
| #3 | .1030010 | .0208410 | .0774794 | -.032497 | .005051  | 121.1327 | .4575569 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0093788 | .0010410 | 48.49900 | .4751395 | .1970764 | .3201744 | 226.9569 |
| Stddev | .0001892 | .0000721 | .53327   | .0016106 | .0005363 | .0011872 | 1.0628   |
| %RSD   | 2.017374 | 6.928592 | 1.099554 | .3389731 | .2721313 | .3707906 | .4682921 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0095331 | .0010871 | 49.06780 | .4764927 | .1965503 | .3200654 | 227.8379 |
| #2 | .0094356 | .0010780 | 48.01032 | .4733580 | .1970566 | .3190455 | 225.7765 |
| #3 | .0091677 | .0009579 | 48.41888 | .4755676 | .1976223 | .3214123 | 227.2562 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.860605 | 79.12662 | .8867311 | -.014980 | 5.217733 | .4715896 | .3863198 |
| Stddev | .020633  | .38807   | .0021252 | .000152  | .198610  | .0074262 | .0055916 |
| %RSD   | .7212803 | .4904362 | .2396607 | 1.014873 | 3.806444 | 1.574717 | 1.447405 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.883113 | 79.53519 | .8854540 | -.014817 | 5.420363 | .4795106 | .3811449 |
| #2 | 2.842586 | 78.76297 | .8855549 | -.015118 | 5.209433 | .4647846 | .3855635 |
| #3 | 2.856116 | 79.08171 | .8891843 | -.015006 | 5.023403 | .4704735 | .3922511 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 21.73889 | 5.654077 | -.082942 | .0098715 | 19.41883 | 1.310443 | -.002110 |
| Stddev | .11604   | .013515  | .003687  | .0004699 | .08918   | .003750  | .000689  |
| %RSD   | .5337829 | .2390297 | 4.445406 | 4.760146 | .4592330 | .2861490 | 32.64236 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 21.87232 | 5.659414 | -.078727 | .0104070 | 19.45526 | 1.313995 | -.001317 |
| #2 | 21.66156 | 5.638709 | -.085568 | .0096793 | 19.31720 | 1.306522 | -.002562 |
| #3 | 21.68280 | 5.664109 | -.084532 | .0095281 | 19.48403 | 1.310812 | -.002450 |

Sample Name: K2605-08      Acquired: 05/02/2019 13:47:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5144      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.751117 | .2759009 | .2857892 |
| Stddev | .048800  | .0008226 | .0005507 |
| %RSD   | .8485277 | .2981675 | .1927095 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.807217 | .2768252 | .2864144 |
| #2 | 5.718481 | .2752488 | .2855775 |
| #3 | 5.727653 | .2756289 | .2853758 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2955.960 | 4072.888 | 60711.62 | 12279.77 | 4629.373 |
| Stddev    | 2.930    | 7.233    | 350.76   | 55.36    | 1.756    |
| %RSD      | .0991259 | .1775798 | .5777395 | .4507952 | .0379239 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2958.765 | 4065.852 | 61040.45 | 12247.12 | 4629.631 |
| #2 | 2956.198 | 4080.303 | 60751.99 | 12343.69 | 4630.986 |
| #3 | 2952.919 | 4072.510 | 60342.43 | 12248.51 | 4627.503 |

Sample Name: K2605-06      Acquired: 05/02/2019 13:43:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5141      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0893453 | .0174012 | .0809948 | -.036032 | .0046100 | 100.0152 | .6039960 |
| Stddev | .0005548 | .0020859 | .0004156 | .001174  | .0024890 | .5872    | .0086724 |
| %RSD   | .6209128 | 11.98719 | .5131125 | 3.259482 | 53.99022 | .5871085 | 1.435841 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0887058 | .0178738 | .0807273 | -.037059 | .0058773 | 100.6780 | .6128132 |
| #2 | .0896971 | .0192103 | .0814736 | -.036285 | .0017425 | 99.5601  | .5954760 |
| #3 | .0896331 | .0151195 | .0807835 | -.034752 | .0062103 | 99.8076  | .6036987 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0075156 | .0013019 | 37.69422 | .3268105 | .1036212 | .1647641 | 220.1302 |
| Stddev | .0001420 | .0000208 | .60404   | .0012933 | .0003190 | .0020251 | 2.2100   |
| %RSD   | 1.889360 | 1.600914 | 1.602486 | .3957307 | .3078792 | 1.229078 | 1.003960 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0073606 | .0012844 | 38.34882 | .3256224 | .1032619 | .1668424 | 222.3397 |
| #2 | .0076394 | .0013250 | 37.15838 | .3266209 | .1038713 | .1627968 | 217.9197 |
| #3 | .0075469 | .0012965 | 37.57546 | .3281881 | .1037304 | .1646530 | 220.1313 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.340685 | 61.67403 | .3171423 | -.014425 | 1.509200 | .2818082 | .4241933 |
| Stddev | .053186  | .59525   | .0010402 | .000336  | .177971  | .0030991 | .0051997 |
| %RSD   | 1.592075 | .9651543 | .3279789 | 2.328487 | 11.79240 | 1.099712 | 1.225783 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.396128 | 62.23515 | .3168566 | -.014275 | 1.365120 | .2818612 | .4298517 |
| #2 | 3.290087 | 61.04969 | .3162748 | -.014810 | 1.708143 | .2786829 | .4196253 |
| #3 | 3.335840 | 61.73724 | .3182954 | -.014191 | 1.454337 | .2848804 | .4231029 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 34.22554 | 7.229817 | -.087610 | .0071338 | 23.12868 | 1.248974 | -.002115 |
| Stddev | .17818   | .003170  | .008666  | .0003443 | .01722   | .008475  | .001298  |
| %RSD   | .5205969 | .0438430 | 9.891273 | 4.825992 | .0744402 | .6785445 | 61.38595 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 34.35412 | 7.233067 | -.078299 | .0072901 | 23.14847 | 1.246609 | -.003448 |
| #2 | 34.02215 | 7.229650 | -.095440 | .0067391 | 23.11718 | 1.241933 | -.000855 |
| #3 | 34.30034 | 7.226734 | -.089092 | .0073722 | 23.12040 | 1.258381 | -.002041 |

Sample Name: K2605-06      Acquired: 05/02/2019 13:43:11      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5141      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 6.130305 | .2714618 | .1371624 |
| Stddev | .062562  | .0017611 | .0002022 |
| %RSD   | 1.020538 | .6487620 | .1473961 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 6.201888 | .2734941 | .1373732 |
| #2 | 6.086092 | .2705062 | .1371437 |
| #3 | 6.102934 | .2703850 | .1369701 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3064.201 | 4256.234 | 63017.16 | 12642.50 | 4736.899 |
| Stddev    | 24.775   | 9.327    | 382.87   | 67.03    | 9.107    |
| %RSD      | .8085320 | .2191444 | .6075627 | .5302004 | .1922529 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3042.225 | 4246.439 | 62629.93 | 12588.39 | 4727.867 |
| #2 | 3091.051 | 4265.010 | 63395.51 | 12717.48 | 4746.078 |
| #3 | 3059.329 | 4257.253 | 63026.03 | 12621.62 | 4736.753 |

Sample Name: K2605-10LX5      Acquired: 05/02/2019 14:06:55      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5146L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0217472 | .0016897 | .0084685 | -.003562 | .0004399 | 9.200027 | .0519819 |
| Stddev | .0014501 | .0023013 | .0008402 | .000979  | .0009304 | .045832  | .0011706 |
| %RSD   | 6.668128 | 136.1994 | 9.921621 | 27.49648 | 211.5040 | .4981676 | 2.251962 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0200746 | -.000354 | .0081531 | -.004678 | -.000148 | 9.190983 | .0518537 |
| #2 | .0225158 | .001240  | .0078316 | -.003157 | .001513  | 9.249707 | .0532114 |
| #3 | .0226513 | .004183  | .0094208 | -.002850 | -.000045 | 9.159393 | .0508807 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0007681 | .0000818 | 8.729282 | .0333685 | .0111369 | .0219668 | 25.97044 |
| Stddev | .0001417 | .0000888 | .100187  | .0004275 | .0004253 | .0003346 | .22640   |
| %RSD   | 18.44946 | 108.5146 | 1.147717 | 1.281176 | 3.818544 | 1.523397 | .8717519 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0006444 | .0001612 | 8.673625 | .0330611 | .0113494 | .0222228 | 25.92879 |
| #2 | .0007372 | -.000014 | 8.844941 | .0338567 | .0106473 | .0215881 | 26.21476 |
| #3 | .0009227 | .000098  | 8.669279 | .0331877 | .0114141 | .0220894 | 25.76775 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3944116 | 7.706936 | .0392483 | -.002063 | .1148900 | .0283777 | .0456759 |
| Stddev | .0039999 | .048384  | .0001979 | .000936  | .1507359 | .0032234 | .0012277 |
| %RSD   | 1.014153 | .6277971 | .5041916 | 45.35793 | 131.2002 | 11.35880 | 2.687869 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3918690 | 7.671972 | .0392249 | -.003025 | .1160468 | .0293706 | .0446953 |
| #2 | .3990222 | 7.762156 | .0394568 | -.002009 | .2650441 | .0309879 | .0470528 |
| #3 | .3923436 | 7.686681 | .0390631 | -.001156 | -.036421 | .0247747 | .0452796 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.583038 | .8108521 | -.009519 | .0005147 | 3.540850 | .1992600 | -.002987 |
| Stddev | .050240  | .0052756 | .000211  | .0001960 | .020485  | .0024961 | .000485  |
| %RSD   | 1.945001 | .6506222 | 2.214841 | 38.08687 | .5785209 | 1.252712 | 16.22734 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.639634 | .8108613 | -.009406 | .0003536 | 3.564334 | .2006810 | -.002706 |
| #2 | 2.543706 | .8161232 | -.009388 | .0007329 | 3.526662 | .2007213 | -.002709 |
| #3 | 2.565775 | .8055720 | -.009762 | .0004575 | 3.531554 | .1963778 | -.003547 |

Sample Name: K2605-10LX5      Acquired: 05/02/2019 14:06:55      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5146L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4872721 | .0213318 | .0255591 |
| Stddev | .0031410 | .0024937 | .0001127 |
| %RSD   | .6446070 | 11.69021 | .4408319 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4843842 | .0218120 | .0255190 |
| #2 | .4906163 | .0235505 | .0256863 |
| #3 | .4868159 | .0186329 | .0254718 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2813.522 | 3899.900 | 57173.86 | 11430.13 | 4831.534 |
| Stddev    | 19.139   | 5.976    | 500.13   | 89.16    | 9.590    |
| %RSD      | .6802341 | .1532284 | .8747517 | .7800313 | .1984971 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2798.310 | 3897.946 | 56774.35 | 11421.46 | 4826.298 |
| #2 | 2807.245 | 3906.608 | 57012.48 | 11345.63 | 4842.603 |
| #3 | 2835.011 | 3895.146 | 57734.76 | 11523.31 | 4825.701 |

Sample Name: K2605-09      Acquired: 05/02/2019 13:51:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5145      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1648318 | .0088781 | .0682383 | -.021162 | .0012464 | 84.27479 | .4249285 |
| Stddev | .0006718 | .0013722 | .0018652 | .002291  | .0011188 | .17397   | .0011695 |
| %RSD   | .4075394 | 15.45567 | 2.733327 | 10.82367 | 89.76330 | .2064356 | .2752302 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1642399 | .0081783 | .0700191 | -.019443 | -.000045 | 84.45764 | .4260383 |
| #2 | .1655619 | .0104590 | .0683969 | -.023762 | .001914  | 84.11132 | .4237072 |
| #3 | .1646937 | .0079968 | .0662989 | -.020282 | .001870  | 84.25541 | .4250400 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0049318 | .0004496 | 10.76760 | .3897129 | .0716465 | .1057829 | 135.9392 |
| Stddev | .0000912 | .0000682 | .07166   | .0014583 | .0001645 | .0005220 | .1903    |
| %RSD   | 1.848216 | 15.16362 | .6655560 | .3741984 | .2296641 | .4934763 | .1399663 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0050365 | .0005135 | 10.83922 | .3899310 | .0718351 | .1053060 | 135.9447 |
| #2 | .0048883 | .0004573 | 10.69589 | .3881578 | .0715719 | .1057022 | 135.7462 |
| #3 | .0048705 | .0003778 | 10.76770 | .3910498 | .0715324 | .1063406 | 136.1266 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.665306 | 37.99765 | .2866582 | -.009378 | .6266157 | .1702937 | .2352375 |
| Stddev | .008738  | .13689   | .0011392 | .000393  | .1624837 | .0033448 | .0026425 |
| %RSD   | .5246992 | .3602710 | .3974114 | 4.191072 | 25.93035 | 1.964154 | 1.123347 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.674679 | 38.08528 | .2856467 | -.009147 | .8100898 | .1671216 | .2322276 |
| #2 | 1.657385 | 37.83990 | .2878923 | -.009832 | .5688472 | .1737880 | .2371763 |
| #3 | 1.663853 | 38.06777 | .2864355 | -.009156 | .5009100 | .1699717 | .2363087 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 11.74360 | 5.431397 | -.049323 | .0025961 | .6908927 | 4.154501 | -.002803 |
| Stddev | .04457   | .003208  | .002890  | .0002219 | .0039518 | .021186  | .000676  |
| %RSD   | .3795305 | .0590680 | 5.860287 | 8.547592 | .5719776 | .5099571 | 24.13041 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 11.70599 | 5.432328 | -.049266 | .0023425 | .6919289 | 4.156203 | -.002829 |
| #2 | 11.79283 | 5.434037 | -.046461 | .0027549 | .6865261 | 4.132515 | -.002113 |
| #3 | 11.73200 | 5.427827 | -.052242 | .0026908 | .6942230 | 4.174784 | -.003465 |

Sample Name: K2605-09      Acquired: 05/02/2019 13:51:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5145      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.313610 | .1118505 | .0288164 |
| Stddev | .003070  | .0010794 | .0000214 |
| %RSD   | .0711586 | .9649905 | .0741680 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.311482 | .1130693 | .0288036 |
| #2 | 4.312221 | .1114666 | .0288045 |
| #3 | 4.317129 | .1110156 | .0288411 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2974.709 | 4105.167 | 60801.93 | 12213.72 | 4738.608 |
| Stddev    | 25.057   | 3.440    | 367.07   | 57.79    | 8.072    |
| %RSD      | .8423274 | .0837942 | .6037068 | .4731700 | .1703374 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2948.124 | 4108.541 | 60467.25 | 12147.21 | 4742.401 |
| #2 | 2978.111 | 4105.295 | 60744.05 | 12251.65 | 4729.338 |
| #3 | 2997.890 | 4101.665 | 61194.50 | 12242.31 | 4744.084 |

Sample Name: K2605-13      Acquired: 05/02/2019 14:11:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5147      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1196794 | .0132714 | .0871803 | -.027647 | .0022545 | 81.15805 | .4962418 |
| Stddev | .0009201 | .0016808 | .0013742 | .000820  | .0013355 | .30020   | .0011030 |
| %RSD   | .7688352 | 12.66495 | 1.576242 | 2.964450 | 59.23929 | .3698923 | .2222738 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1201249 | .0147134 | .0887441 | -.027979 | .0014086 | 81.37490 | .4965444 |
| #2 | .1202920 | .0136754 | .0866307 | -.028249 | .0015608 | 81.28382 | .4971619 |
| #3 | .1186213 | .0114254 | .0861659 | -.026714 | .0037941 | 80.81542 | .4950191 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0058960 | .0008753 | 22.76713 | .3802930 | .0995605 | .1532764 | 175.8818 |
| Stddev | .0001372 | .0000939 | .08213   | .0016238 | .0001680 | .0028312 | .3812    |
| %RSD   | 2.326569 | 10.72538 | .3607369 | .4269751 | .1687372 | 1.847135 | .2167324 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0060400 | .0009225 | 22.83311 | .3784336 | .0995597 | .1507008 | 176.1624 |
| #2 | .0058811 | .0007672 | 22.79314 | .3810140 | .0997288 | .1563079 | 176.0353 |
| #3 | .0057668 | .0009361 | 22.67515 | .3814314 | .0993929 | .1528204 | 175.4478 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.057113 | 50.59076 | .4009700 | -.011946 | .8083532 | .2476718 | .3732013 |
| Stddev | .005528  | .03143   | .0013960 | .000459  | .2191343 | .0014051 | .0067095 |
| %RSD   | .1808210 | .0621228 | .3481562 | 3.839806 | 27.10872 | .5673126 | 1.797816 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.061545 | 50.56652 | .4005002 | -.011610 | .6989066 | .2479027 | .3805600 |
| #2 | 3.058875 | 50.57949 | .3998694 | -.012469 | 1.060652 | .2489471 | .3716203 |
| #3 | 3.050919 | 50.62627 | .4025402 | -.011760 | .665502  | .2461656 | .3674235 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 30.07753 | 4.644931 | -.066145 | .0054155 | 2.613282 | 1.856456 | -.004331 |
| Stddev | .20128   | .016586  | .003926  | .0001180 | .009273  | .002417  | .001128  |
| %RSD   | .6691917 | .3570789 | 5.935940 | 2.178316 | .3548445 | .1302033 | 26.04561 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 30.29966 | 4.628086 | -.063439 | .0054165 | 2.615948 | 1.854165 | -.004869 |
| #2 | 30.02570 | 4.661245 | -.064347 | .0052970 | 2.620929 | 1.858982 | -.005089 |
| #3 | 29.90724 | 4.645462 | -.070648 | .0055329 | 2.602968 | 1.856221 | -.003035 |

Sample Name: K2605-13      Acquired: 05/02/2019 14:11:00      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5147      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 6.100289 | .3328532 | .0664781 |
| Stddev | .031776  | .0012710 | .0001889 |
| %RSD   | .5208857 | .3818484 | .2841272 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 6.121271 | .3334407 | .0665996 |
| #2 | 6.115864 | .3313948 | .0665742 |
| #3 | 6.063731 | .3337242 | .0662605 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3017.228 | 4174.499 | 62034.02 | 12458.79 | 4744.172 |
| Stddev    | 16.912   | 18.187   | 221.41   | 56.93    | 14.122   |
| %RSD      | .5605060 | .4356652 | .3569144 | .4569106 | .2976738 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3001.397 | 4172.614 | 61786.43 | 12437.14 | 4743.975 |
| #2 | 3015.241 | 4193.555 | 62213.01 | 12523.37 | 4758.392 |
| #3 | 3035.045 | 4157.328 | 62102.62 | 12415.87 | 4730.150 |

Sample Name: K2605-14      Acquired: 05/02/2019 14:14:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5148      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1552514 | .0088250 | .0597561 | -.018248 | .0006955 | 69.60033 | .4172337 |
| Stddev | .0070754 | .0008320 | .0009859 | .001491  | .0013659 | .17682   | .0016418 |
| %RSD   | 4.557392 | 9.428329 | 1.649941 | 8.171846 | 196.3753 | .2540473 | .3934957 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1632648 | .0097814 | .0592645 | -.019870 | -.000660 | 69.69524 | .4164562 |
| #2 | .1498660 | .0084252 | .0608912 | -.016936 | .002072  | 69.39632 | .4161250 |
| #3 | .1526235 | .0082682 | .0591126 | -.017939 | .000675  | 69.70943 | .4191198 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0048025 | .0006511 | 11.08354 | .1723550 | .0761220 | .1092676 | 115.3273 |
| Stddev | .0000886 | .0000634 | .05197   | .0004241 | .0006957 | .0002750 | .4476    |
| %RSD   | 1.844564 | 9.742203 | .4688621 | .2460814 | .9139499 | .2516605 | .3880845 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0047268 | .0007232 | 11.09882 | .1722173 | .0769093 | .1092262 | 115.1460 |
| #2 | .0047807 | .0006037 | 11.02565 | .1720168 | .0755900 | .1090156 | 114.9989 |
| #3 | .0048999 | .0006266 | 11.12615 | .1728308 | .0758667 | .1095609 | 115.8371 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.479030 | 29.00957 | .2234943 | -.007802 | .7510024 | .1355095 | .2059269 |
| Stddev | .003803  | .03378   | .0005315 | .000511  | .2307937 | .0017802 | .0032284 |
| %RSD   | .2571585 | .1164289 | .2378066 | 6.549600 | 30.73142 | 1.313722 | 1.567752 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.477884 | 28.97074 | .2240065 | -.008391 | .7743966 | .1374992 | .2028324 |
| #2 | 1.475931 | 29.02579 | .2229454 | -.007472 | .9692080 | .1340673 | .2056739 |
| #3 | 1.483275 | 29.03217 | .2235310 | -.007544 | .5094025 | .1349622 | .2092743 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 11.33280 | 4.867929 | -.044309 | .0025303 | .1477482 | 2.435994 | -.003377 |
| Stddev | .05743   | .008931  | .003507  | .0002089 | .0018997 | .002443  | .000616  |
| %RSD   | .5067587 | .1834672 | 7.915226 | 8.254648 | 1.285796 | .1003032 | 18.25454 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 11.39911 | 4.867822 | -.048323 | .0023183 | .1499104 | 2.433525 | -.004053 |
| #2 | 11.30027 | 4.876914 | -.042773 | .0027359 | .1463466 | 2.436045 | -.002845 |
| #3 | 11.29902 | 4.859053 | -.041832 | .0025367 | .1469875 | 2.438411 | -.003233 |

Sample Name: K2605-14      Acquired: 05/02/2019 14:14:58      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5148      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.148114 | .0841230 | .0597785 |
| Stddev | .014235  | .0009346 | .0000655 |
| %RSD   | .4521699 | 1.111046 | .1095163 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.154121 | .0831991 | .0598434 |
| #2 | 3.131860 | .0850680 | .0597125 |
| #3 | 3.158361 | .0841018 | .0597798 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3027.009 | 4203.254 | 61704.52 | 12495.49 | 4832.159 |
| Stddev    | 9.566    | 13.056   | 580.33   | 44.20    | 13.080   |
| %RSD      | .3160085 | .3106270 | .9404945 | .3537350 | .2706780 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3029.579 | 4217.531 | 61049.71 | 12444.47 | 4842.386 |
| #2 | 3016.421 | 4191.921 | 61908.63 | 12522.10 | 4817.421 |
| #3 | 3035.027 | 4200.310 | 62155.21 | 12519.90 | 4836.670 |

Sample Name: K2605-15      Acquired: 05/02/2019 14:18:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5149      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3943232 | .0128326 | .1013707 | -.032003 | .0051704 | 64.46704 | .2314830 |
| Stddev | .0032387 | .0007442 | .0007387 | .003297  | .0014546 | .02780   | .0008095 |
| %RSD   | .8213240 | 5.799288 | .7286756 | 10.30175 | 28.13260 | .0431286 | .3496919 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3931664 | .0133269 | .1022234 | -.033810 | .0068498 | 64.49425 | .2309425 |
| #2 | .3918217 | .0119767 | .1009591 | -.028197 | .0043493 | 64.43868 | .2324137 |
| #3 | .3979814 | .0131942 | .1009295 | -.034000 | .0043120 | 64.46819 | .2310929 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0043936 | .0013971 | 121.1838 | .2049429 | .1493504 | .1871059 | 212.4621 |
| Stddev | .0000519 | .0000530 | .2537    | .0009488 | .0008934 | .0016455 | .3745    |
| %RSD   | 1.180268 | 3.791714 | .2093747 | .4629734 | .5982206 | .8794636 | .1762847 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0044443 | .0014546 | 121.3468 | .2039480 | .1488169 | .1885212 | 212.7682 |
| #2 | .0043406 | .0013865 | 120.8914 | .2050430 | .1488524 | .1853003 | 212.0445 |
| #3 | .0043960 | .0013502 | 121.3131 | .2058377 | .1503819 | .1874963 | 212.5737 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.069921 | 83.50570 | .5047527 | -.013245 | .6503556 | .1430874 | .4893143 |
| Stddev | .007056  | .20044   | .0010046 | .000267  | .0847834 | .0007484 | .0053634 |
| %RSD   | .2298329 | .2400288 | .1990174 | 2.019422 | 13.03648 | .5230677 | 1.096097 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.075394 | 83.36009 | .5036033 | -.013455 | .6704274 | .1432144 | .4843542 |
| #2 | 3.061958 | 83.42270 | .5051918 | -.012944 | .5573373 | .1437643 | .4885828 |
| #3 | 3.072411 | 83.73430 | .5054629 | -.013335 | .7233020 | .1422836 | .4950059 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 11.81708 | 7.573268 | -.093720 | .0029560 | 27.88220 | 2.503963 | -.002775 |
| Stddev | .08856   | .022579  | .003675  | .0004415 | .03656   | .012925  | .000868  |
| %RSD   | .7494064 | .2981424 | 3.921147 | 14.93667 | .1311294 | .5161731 | 31.26471 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 11.76166 | 7.597524 | -.089595 | .0030145 | 27.89279 | 2.495990 | -.003772 |
| #2 | 11.77037 | 7.552860 | -.096644 | .0024882 | 27.84151 | 2.497024 | -.002356 |
| #3 | 11.91922 | 7.569421 | -.094923 | .0033654 | 27.91230 | 2.518875 | -.002196 |

Sample Name: K2605-15      Acquired: 05/02/2019 14:18:53      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5149      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.157612 | .1970645 | .3946330 |
| Stddev | .005666  | .0001715 | .0006661 |
| %RSD   | .2626214 | .0870222 | .1688001 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.163962 | .1970234 | .3945893 |
| #2 | 2.153070 | .1969173 | .3939898 |
| #3 | 2.155804 | .1972528 | .3953199 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2910.796 | 4027.662 | 59862.51 | 12062.56 | 4641.342 |
| Stddev    | 28.817   | 8.649    | 269.48   | 54.85    | 12.475   |
| %RSD      | .9900003 | .2147473 | .4501577 | .4546889 | .2687888 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2924.915 | 4030.920 | 60068.76 | 12114.66 | 4640.688 |
| #2 | 2929.831 | 4034.210 | 59961.16 | 12067.70 | 4654.131 |
| #3 | 2877.642 | 4017.857 | 59557.61 | 12005.33 | 4629.206 |

Sample Name: CCV099      Acquired: 05/02/2019 14:22:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCV099      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.885560 | 4.922472 | 24.67925 | 4.797697 | 4.903871 | 384.3953 | 10.25441 |
| Stddev | .019228  | .004222  | .03737   | .009665  | .014923  | .3250    | .00920   |
| %RSD   | .3935736 | .0857731 | .1514362 | .2014454 | .3043058 | .0845382 | .0897285 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.905783 | 4.920459 | 24.63620 | 4.808809 | 4.920977 | 384.3220 | 10.25506 |
| #2 | 4.883386 | 4.927324 | 24.69825 | 4.793029 | 4.897112 | 384.1133 | 10.26327 |
| #3 | 4.867511 | 4.919633 | 24.70331 | 4.791252 | 4.893523 | 384.7507 | 10.24490 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5061460 | 2.475267 | 393.0610 | 15.19172 | 2.505037 | 15.21104 | 396.8998 |
| Stddev | .0041813 | .001970  | .6401    | .01735   | .003567  | .01358   | .5249    |
| %RSD   | .8260949 | .0795805 | .1628515 | .1141814 | .1423961 | .0892776 | .1322461 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5013526 | 2.472996 | 393.5232 | 15.21170 | 2.501188 | 15.20367 | 396.3176 |
| #2 | .5080425 | 2.476287 | 393.3295 | 15.18295 | 2.505693 | 15.20274 | 397.3367 |
| #3 | .5090430 | 2.476517 | 392.3304 | 15.18050 | 2.508231 | 15.22671 | 397.0452 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.16581 | 383.6592 | 2.486876 | 1.269481 | 386.7139 | 2.495640 | 14.87576 |
| Stddev | .03476   | .3056    | .005078  | .006892  | .4032    | .002132  | .06926   |
| %RSD   | .2291743 | .0796642 | .2041756 | .5428936 | .1042586 | .0854274 | .4656117 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.16329 | 383.3512 | 2.482099 | 1.276404 | 387.1789 | 2.494232 | 14.95409 |
| #2 | 15.20175 | 383.9624 | 2.486321 | 1.262620 | 386.5012 | 2.498093 | 14.82258 |
| #3 | 15.13237 | 383.6641 | 2.492209 | 1.269418 | 386.4617 | 2.494595 | 14.85063 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 153.1078 | 5.115617 | 4.631439 | 4.568413 | 5.053012 | 4.718170 | 4.676168 |
| Stddev | .2471    | .013058  | .034929  | .012220  | .001864  | .024157  | .006996  |
| %RSD   | .1613943 | .2552557 | .7541769 | .2674930 | .0368864 | .5119911 | .1496104 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 152.9670 | 5.100892 | 4.592347 | 4.581821 | 5.051298 | 4.690534 | 4.681615 |
| #2 | 152.9634 | 5.120171 | 4.642389 | 4.557900 | 5.052741 | 4.735264 | 4.668278 |
| #3 | 153.3932 | 5.125788 | 4.659582 | 4.565517 | 5.054996 | 4.728711 | 4.678611 |

Sample Name: CCV099      Acquired: 05/02/2019 14:22:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCV099      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.717519 | 5.126286 | 5.015140 |
| Stddev | .009974  | .006155  | .071724  |
| %RSD   | .2114158 | .1200771 | 1.430149 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.727550 | 5.120990 | 5.022855 |
| #2 | 4.717404 | 5.124829 | 4.939870 |
| #3 | 4.707604 | 5.133040 | 5.082695 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2422.482 | 3341.062 | 52194.10 | 10699.91 | 3875.086 |
| Stddev    | 18.332   | 3.623    | 382.65   | 71.23    | 8.244    |
| %RSD      | .7567323 | .1084470 | .7331328 | .6657093 | .2127459 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2416.537 | 3338.354 | 51880.50 | 10744.51 | 3884.541 |
| #2 | 2443.048 | 3339.654 | 52620.47 | 10737.46 | 3869.399 |
| #3 | 2407.861 | 3345.178 | 52081.34 | 10617.76 | 3871.319 |

Sample Name: CCB099      Acquired: 05/02/2019 14:26:40      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCB099      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000292 | -.001298 | .0013545 | .0028309 | -.000276 | .0116975 | .0002917 |
| Stddev | .003399  | .001899  | .0016800 | .0019374 | .000942  | .0036815 | .0004421 |
| %RSD   | 1164.092 | 146.3431 | 124.0361 | 68.43752 | 341.1344 | 31.47211 | 151.5593 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .003060  | .000825  | -.000235 | .0006101 | -.001139 | .0132540 | -.000109 |
| #2 | -.003737 | -.002837 | .003112  | .0041750 | -.000416 | .0143451 | .000218  |
| #3 | -.000199 | -.001881 | .001187  | .0037077 | .000728  | .0074935 | .000766  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000770 | -.000013 | .0059793 | .0007534 | -.000123 | .0079806 | .0265488 |
| Stddev | .0000225 | .000060  | .0121101 | .0002568 | .000342  | .0013738 | .0041699 |
| %RSD   | 29.24339 | 443.7639 | 202.5320 | 34.08769 | 276.7203 | 17.21395 | 15.70658 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000531 | .000033  | -.007507 | .0009520 | .000271  | .0078683 | .0308695 |
| #2 | .0000801 | -.000081 | .009523  | .0008449 | -.000325 | .0094070 | .0225482 |
| #3 | .0000978 | .000007  | .015922  | .0004634 | -.000317 | .0066664 | .0262286 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008722 | -.016618 | -.000355 | .0005826 | -.080013 | .0009983 | .0000147 |
| Stddev | .0002035 | .014615  | .000084  | .0001125 | .256004  | .0018338 | .0006585 |
| %RSD   | 23.33481 | 87.94714 | 23.67221 | 19.31350 | 319.9523 | 183.6836 | 4490.032 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008155 | -.003127 | -.000269 | .0007109 | -.008993 | .0016123 | .0007740 |
| #2 | .0007030 | -.014583 | -.000437 | .0005361 | .132982  | -.001064 | -.000330 |
| #3 | .0010980 | -.032145 | -.000358 | .0005008 | -.364029 | .002446  | -.000400 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1682224 | -.000270 | .0070961 | -.000004 | -.000378 | -.002900 | .0006010 |
| Stddev | .1106971 | .003545  | .0011502 | .000196  | .004504  | .000477  | .0002963 |
| %RSD   | 65.80402 | 1313.804 | 16.20832 | 4608.955 | 1192.192 | 16.44657 | 49.30813 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0712637 | .003648  | .0058624 | -.000064 | -.001410 | -.003044 | .0008266 |
| #2 | .1445692 | -.001203 | .0081388 | -.000163 | .004553  | -.002368 | .0007110 |
| #3 | .2888343 | -.003255 | .0072872 | .000214  | -.004276 | -.003289 | .0002654 |

Sample Name: CCB099      Acquired: 05/02/2019 14:26:40      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCB099      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0000423 | .0048487 | .0000195 |
| Stddev | .0005137 | .0026567 | .0000360 |
| %RSD   | 1215.111 | 54.79059 | 184.6923 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000219 | .0048848 | .0000297 |
| #2 | -.000288 | .0021742 | -.000021 |
| #3 | .000634  | .0074872 | .000049  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2765.559 | 3830.354 | 55794.61 | 11237.41 | 4779.364 |
| Stddev    | 19.318   | 5.073    | 115.44   | 6.39     | 2.454    |
| %RSD      | .6985079 | .1324349 | .2069100 | .0568544 | .0513377 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2749.082 | 3836.101 | 55662.40 | 11236.46 | 4781.197 |
| #2 | 2786.819 | 3828.461 | 55875.50 | 11244.21 | 4776.576 |
| #3 | 2760.775 | 3826.500 | 55845.92 | 11231.54 | 4780.318 |

Sample Name: K2605-16      Acquired: 05/02/2019 14:30:47      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5150      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2882611 | .0161860 | .0911286 | -.024618 | .0027955 | 131.9869 | .2444699 |
| Stddev | .0040338 | .0010356 | .0019491 | .003055  | .0023663 | .4650    | .0022388 |
| %RSD   | 1.399367 | 6.398240 | 2.138848 | 12.40817 | 84.64732 | .3522951 | .9157774 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2836899 | .0159087 | .0905285 | -.021198 | .0019338 | 131.5256 | .2418898 |
| #2 | .2897725 | .0153172 | .0895500 | -.027077 | .0054719 | 131.9795 | .2456191 |
| #3 | .2913210 | .0173320 | .0933071 | -.025579 | .0009808 | 132.4555 | .2459006 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0072087 | .0003196 | 6.738164 | .3969537 | .0943550 | .0845876 | 175.1642 |
| Stddev | .0001325 | .0001527 | .066543  | .0001192 | .0002509 | .0013121 | 1.3663   |
| %RSD   | 1.837989 | 47.76390 | .9875474 | .0300311 | .2659506 | 1.551210 | .7799949 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0073122 | .0002789 | 6.661741 | .3969827 | .0946406 | .0859579 | 173.5935 |
| #2 | .0070594 | .0004885 | 6.769483 | .3970558 | .0941697 | .0844621 | 175.8225 |
| #3 | .0072545 | .0001914 | 6.783270 | .3968227 | .0942547 | .0833427 | 176.0768 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.249372 | 40.85776 | .3276274 | -.011898 | .0958983 | .2557936 | .2973734 |
| Stddev | .014027  | .33824   | .0016603 | .000647  | .1467261 | .0056692 | .0029799 |
| %RSD   | 1.122737 | .8278379 | .5067698 | 5.438451 | 153.0017 | 2.216313 | 1.002063 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.233473 | 40.46792 | .3271692 | -.012463 | .2610840 | .2499193 | .2982854 |
| #2 | 1.254646 | 41.03207 | .3262444 | -.012039 | .0459219 | .2562291 | .2997907 |
| #3 | 1.259998 | 41.07328 | .3294687 | -.011192 | -.019311 | .2612325 | .2940441 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.963571 | 4.580232 | -.062440 | .0032595 | .8626058 | 3.013142 | -.003103 |
| Stddev | .018041  | .010057  | .001360  | .0000932 | .0047715 | .006097  | .001548  |
| %RSD   | .2590757 | .2195790 | 2.178057 | 2.858886 | .5531474 | .2023567 | 49.86820 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.942751 | 4.587305 | -.063842 | .0031619 | .8608373 | 3.015544 | -.002355 |
| #2 | 6.974597 | 4.568719 | -.061126 | .0033476 | .8589710 | 3.006209 | -.002072 |
| #3 | 6.973363 | 4.584672 | -.062354 | .0032689 | .8680090 | 3.017671 | -.004883 |

Sample Name: K2605-16      Acquired: 05/02/2019 14:30:47      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5150      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 6.908091 | .1564642 | .0246678 |
| Stddev | .051468  | .0017259 | .0000741 |
| %RSD   | .7450394 | 1.103038 | .3003646 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 6.860242 | .1545194 | .0245954 |
| #2 | 6.901491 | .1578133 | .0246644 |
| #3 | 6.962541 | .1570600 | .0247435 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3022.267 | 4164.883 | 61582.62 | 12454.85 | 4818.413 |
| Stddev    | 8.667    | 9.865    | 327.43   | 60.11    | 10.475   |
| %RSD      | .2867829 | .2368681 | .5316975 | .4826440 | .2173911 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3031.269 | 4158.538 | 61936.75 | 12491.04 | 4811.394 |
| #2 | 3013.978 | 4176.249 | 61290.86 | 12488.05 | 4830.453 |
| #3 | 3021.554 | 4159.864 | 61520.26 | 12385.46 | 4813.392 |

Sample Name: K2605-17      Acquired: 05/02/2019 14:34:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5151      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1453996 | .0113374 | .0600066 | -.024041 | .0023797 | 73.48562 | .2836083 |
| Stddev | .0026009 | .0020815 | .0025189 | .003491  | .0026170 | .33008   | .0024910 |
| %RSD   | 1.788800 | 18.35974 | 4.197761 | 14.52283 | 109.9727 | .4491707 | .8783220 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1460325 | .0137406 | .0604056 | -.022437 | .0027983 | 73.17733 | .2813347 |
| #2 | .1476256 | .0101010 | .0573120 | -.028046 | .0047621 | 73.44569 | .2832193 |
| #3 | .1425406 | .0101706 | .0623022 | -.021639 | -.000421 | 73.83385 | .2862709 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0059916 | .0007052 | 10.50976 | .1884063 | .0792913 | .1119167 | 142.2622 |
| Stddev | .0000878 | .0000993 | .10634   | .0010412 | .0002601 | .0015187 | .7558    |
| %RSD   | 1.465712 | 14.07427 | 1.011793 | .5526582 | .3279793 | 1.357005 | .5312508 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0058931 | .0008149 | 10.40225 | .1892837 | .0795522 | .1136289 | 141.4860 |
| #2 | .0060200 | .0006216 | 10.51217 | .1886795 | .0790321 | .1107324 | 142.3048 |
| #3 | .0060617 | .0006791 | 10.61488 | .1872557 | .0792898 | .1113888 | 142.9958 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.773463 | 28.15877 | .2177966 | -.009394 | .6760116 | .1613879 | .2317793 |
| Stddev | .016797  | .10714   | .0009413 | .000734  | .0122698 | .0020330 | .0031509 |
| %RSD   | .9471281 | .3804892 | .4321914 | 7.808617 | 1.815026 | 1.259727 | 1.359448 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.757269 | 28.10264 | .2175827 | -.009670 | .6889723 | .1620680 | .2332900 |
| #2 | 1.772315 | 28.09136 | .2188264 | -.008563 | .6645752 | .1591020 | .2338905 |
| #3 | 1.790804 | 28.28231 | .2169806 | -.009950 | .6744873 | .1629938 | .2281575 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.403069 | 5.395764 | -.052107 | .0040035 | .2473993 | 3.213171 | -.003380 |
| Stddev | .033605  | .033768  | .003414  | .0002490 | .0029334 | .016463  | .000537  |
| %RSD   | .3573820 | .6258282 | 6.551636 | 6.218955 | 1.185678 | .5123582 | 15.87757 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.413637 | 5.412642 | -.053988 | .0037804 | .2452892 | 3.207931 | -.002767 |
| #2 | 9.365450 | 5.356884 | -.054167 | .0042721 | .2507489 | 3.199965 | -.003607 |
| #3 | 9.430119 | 5.417765 | -.048167 | .0039578 | .2461598 | 3.231616 | -.003765 |

Sample Name: K2605-17      Acquired: 05/02/2019 14:34:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5151      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.990900 | .1014445 | .0627113 |
| Stddev | .029932  | .0020753 | .0000398 |
| %RSD   | .7500160 | 2.045711 | .0634690 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.967316 | .1007744 | .0626802 |
| #2 | 3.980811 | .0997871 | .0626976 |
| #3 | 4.024574 | .1037720 | .0627562 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3053.472 | 4243.937 | 62584.16 | 12525.97 | 4839.309 |
| Stddev    | 22.452   | 3.260    | 299.73   | 71.37    | 6.257    |
| %RSD      | .7353087 | .0768047 | .4789222 | .5697903 | .1293027 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3057.090 | 4245.912 | 62549.32 | 12608.20 | 4841.790 |
| #2 | 3029.431 | 4245.724 | 62303.38 | 12480.05 | 4843.944 |
| #3 | 3073.896 | 4240.175 | 62899.79 | 12489.66 | 4832.191 |

Sample Name: K2605-18      Acquired: 05/02/2019 14:38:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5152      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0741379 | .0012770 | .0218182 | -.005109 | -.000145 | 15.98013 | .0728931 |
| Stddev | .0034140 | .0015826 | .0007409 | .003806  | .000523  | .04947   | .0003494 |
| %RSD   | 4.604880 | 123.9380 | 3.395728 | 74.48881 | 361.4361 | .3095487 | .4792981 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0774301 | -.000454 | .0223999 | -.009245 | .000018  | 15.99788 | .0726984 |
| #2 | .0706140 | .002649  | .0209841 | -.001754 | -.000730 | 15.92424 | .0726843 |
| #3 | .0743697 | .001636  | .0220706 | -.004329 | .000278  | 16.01828 | .0732964 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014142 | .0002308 | 9.809307 | .2434430 | .0358375 | .0594450 | 44.04051 |
| Stddev | .0000426 | .0001086 | .023263  | .0016885 | .0004181 | .0008533 | .21183   |
| %RSD   | 3.010623 | 47.04146 | .2371530 | .6935930 | 1.166663 | 1.435413 | .4809819 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0014145 | .0001286 | 9.823745 | .2419301 | .0354951 | .0596611 | 44.28215 |
| #2 | .0014566 | .0003448 | 9.821706 | .2452645 | .0363035 | .0585045 | 43.88683 |
| #3 | .0013715 | .0002190 | 9.782471 | .2431344 | .0357140 | .0601695 | 43.95255 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2887120 | 9.307142 | .1196176 | -.002964 | .6252474 | .0459331 | .0866426 |
| Stddev | .0029538 | .060092  | .0002176 | .000720  | .1373946 | .0026431 | .0015280 |
| %RSD   | 1.023098 | .6456557 | .1819356 | 24.29531 | 21.97444 | 5.754238 | 1.763570 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2921226 | 9.376513 | .1196191 | -.002620 | .4678385 | .0476202 | .0855748 |
| #2 | .2869820 | 9.271108 | .1193992 | -.002481 | .6868027 | .0472921 | .0859601 |
| #3 | .2870314 | 9.273805 | .1198344 | -.003792 | .7211011 | .0428870 | .0883929 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.145655 | 2.818978 | -.014165 | .0012801 | 13.02451 | .5632094 | -.003431 |
| Stddev | .026662  | .001233  | .001829  | .0002134 | .00795   | .0022587 | .000695  |
| %RSD   | .8475852 | .0437235 | 12.91544 | 16.66764 | .0610145 | .4010464 | 20.25402 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.123118 | 2.818825 | -.012177 | .0010377 | 13.02667 | .5655660 | -.004106 |
| #2 | 3.175087 | 2.820280 | -.015778 | .0014396 | 13.03115 | .5629987 | -.003468 |
| #3 | 3.138759 | 2.817829 | -.014540 | .0013630 | 13.01570 | .5610633 | -.002718 |

Sample Name: K2605-18      Acquired: 05/02/2019 14:38:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5152      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9348814 | .0287547 | .0305085 |
| Stddev | .0039757 | .0007630 | .0000712 |
| %RSD   | .4252646 | 2.653523 | .2332782 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .9351533 | .0280312 | .0304889 |
| #2 | .9307766 | .0286809 | .0305874 |
| #3 | .9387141 | .0295519 | .0304492 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2935.558 | 4067.563 | 59660.50 | 11945.85 | 4925.530 |
| Stddev    | 6.531    | 1.942    | 130.08   | 60.67    | 7.547    |
| %RSD      | .2224780 | .0477372 | .2180305 | .5079013 | .1532254 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2930.634 | 4068.446 | 59686.39 | 11882.77 | 4925.725 |
| #2 | 2933.074 | 4068.907 | 59519.43 | 11951.00 | 4932.978 |
| #3 | 2942.967 | 4065.337 | 59775.69 | 12003.78 | 4917.888 |

Sample Name: K2605-12      Acquired: 05/02/2019 15:11:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5146S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1538584 | .0938958 | .0834997 | -.004443 | .0876810 | 46.62600 | 3.651692 |
| Stddev | .0032403 | .0019157 | .0019710 | .001254  | .0011412 | .13088   | .006262  |
| %RSD   | 2.106037 | 2.040254 | 2.360454 | 28.21771 | 1.301505 | .2807116 | .1714765 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1553105 | .0945677 | .0817155 | -.004787 | .0889063 | 46.66996 | 3.648316 |
| #2 | .1501460 | .0953851 | .0831681 | -.005490 | .0866484 | 46.47879 | 3.647843 |
| #3 | .1561187 | .0917347 | .0856154 | -.003054 | .0874884 | 46.72925 | 3.658918 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0829184 | .0819852 | 40.73219 | .5137019 | .9273306 | .4973969 | 125.3912 |
| Stddev | .0008016 | .0003542 | .15976   | .0009010 | .0013162 | .0024853 | .3650    |
| %RSD   | .9667273 | .4320508 | .3922235 | .1753991 | .1419392 | .4996605 | .2910699 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0823476 | .0819974 | 40.65883 | .5145668 | .9275642 | .4986951 | 125.2670 |
| #2 | .0825729 | .0816251 | 40.62228 | .5127686 | .9259132 | .4945313 | 125.1045 |
| #3 | .0838349 | .0823332 | 40.91545 | .5137704 | .9285144 | .4989642 | 125.8020 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.868352 | 35.79820 | 1.079654 | .0724264 | .8397043 | .9601154 | 1.043746 |
| Stddev | .014103  | .09839   | .002771  | .0001837 | .2924323 | .0027874 | .002265  |
| %RSD   | .4916631 | .2748547 | .2566243 | .2536031 | 34.82562 | .2903229 | .2169677 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.859057 | 35.79835 | 1.077022 | .0722156 | 1.140232 | .9578555 | 1.041610 |
| #2 | 2.861419 | 35.69973 | 1.079395 | .0725525 | .556102  | .9592606 | 1.046121 |
| #3 | 2.884579 | 35.89652 | 1.082545 | .0725109 | .822779  | .9632302 | 1.043507 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.95056 | 4.011732 | -.043176 | .0044170 | 18.41807 | 1.217853 | 1.196865 |
| Stddev | .03379   | .008169  | .002848  | .0003179 | .02441   | .017152  | .000777  |
| %RSD   | .2609002 | .2036380 | 6.597167 | 7.197440 | .1325286 | 1.408353 | .0648876 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.95213 | 4.003469 | -.041368 | .0040560 | 18.44183 | 1.216137 | 1.196420 |
| #2 | 12.98353 | 4.019804 | -.041701 | .0046554 | 18.39306 | 1.201625 | 1.197761 |
| #3 | 12.91601 | 4.011925 | -.046460 | .0045395 | 18.41932 | 1.235799 | 1.196412 |

Sample Name: K2605-12      Acquired: 05/02/2019 15:11:08      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5146S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.450877 | .1051932 | .1218331 |
| Stddev | .008037  | .0005210 | .0001163 |
| %RSD   | .3279422 | .4952830 | .0954876 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.453087 | .1053820 | .1219308 |
| #2 | 2.441966 | .1055934 | .1217044 |
| #3 | 2.457578 | .1046041 | .1218642 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2889.996 | 4039.605 | 59331.62 | 12112.15 | 4711.128 |
| Stddev    | 14.948   | 1.512    | 127.89   | 45.18    | 4.888    |
| %RSD      | .5172231 | .0374240 | .2155434 | .3730064 | .1037541 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2878.170 | 4038.310 | 59201.58 | 12128.76 | 4706.889 |
| #2 | 2885.020 | 4039.239 | 59336.06 | 12146.68 | 4716.475 |
| #3 | 2906.796 | 4041.267 | 59457.24 | 12061.02 | 4710.019 |

Sample Name: K2605-10      Acquired: 05/02/2019 15:24:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5146      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0894578 | .0079226 | .0437591 | -.018431 | .0022411 | 43.09944 | .2431849 |
| Stddev | .0018246 | .0017871 | .0013670 | .000749  | .0015117 | .03987   | .0011065 |
| %RSD   | 2.039623 | 22.55717 | 3.123901 | 4.064353 | 67.45356 | .0924991 | .4550055 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0914753 | .0071819 | .0426233 | -.019279 | .0031890 | 43.09796 | .2438587 |
| #2 | .0889747 | .0099610 | .0452763 | -.017859 | .0030364 | 43.06033 | .2419079 |
| #3 | .0879233 | .0066250 | .0433776 | -.018154 | .0004978 | 43.14002 | .2437882 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0032452 | .0006225 | 40.63988 | .1563900 | .0572552 | .0887539 | 120.6432 |
| Stddev | .0000887 | .0000341 | .35180   | .0013554 | .0001360 | .0036978 | .4281    |
| %RSD   | 2.733689 | 5.481064 | .8656427 | .8667019 | .2375532 | 4.166388 | .3548678 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0031456 | .0005879 | 40.88502 | .1579373 | .0574006 | .0923873 | 120.8433 |
| #2 | .0032740 | .0006234 | 40.23679 | .1554122 | .0571310 | .0849948 | 120.1517 |
| #3 | .0033159 | .0006562 | 40.79782 | .1558206 | .0572341 | .0888795 | 120.9347 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.826073 | 35.94279 | .1917746 | -.007881 | .7454917 | .1287562 | .2220383 |
| Stddev | .012930  | .24583   | .0003680 | .000135  | .0958248 | .0044106 | .0032327 |
| %RSD   | .7080952 | .6839517 | .1918821 | 1.714044 | 12.85390 | 3.425517 | 1.455942 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.836915 | 36.06569 | .1921024 | -.008021 | .7546120 | .1274135 | .2250376 |
| #2 | 1.811762 | 35.65975 | .1913766 | -.007752 | .6454328 | .1251731 | .2224632 |
| #3 | 1.829542 | 36.10295 | .1918447 | -.007869 | .8364303 | .1336821 | .2186141 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.45259 | 3.963746 | -.043571 | .0037750 | 17.40604 | 1.108912 | -.003988 |
| Stddev | .02817   | .020223  | .002349  | .0001809 | .03274   | .012576  | .000590  |
| %RSD   | .2262178 | .5101939 | 5.390263 | 4.791270 | .1880675 | 1.134124 | 14.79796 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.47148 | 3.944914 | -.045003 | .0039104 | 17.43485 | 1.095638 | -.004427 |
| #2 | 12.42021 | 3.961206 | -.040860 | .0035696 | 17.37045 | 1.110451 | -.003317 |
| #3 | 12.46607 | 3.985119 | -.044850 | .0038452 | 17.41283 | 1.120649 | -.004219 |

Sample Name: K2605-10      Acquired: 05/02/2019 15:24:20      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5146      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.294259 | .1111520 | .1197795 |
| Stddev | .006717  | .0017516 | .0002953 |
| %RSD   | .2927573 | 1.575898 | .2465379 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.301707 | .1127238 | .1196388 |
| #2 | 2.288662 | .1092637 | .1195809 |
| #3 | 2.292408 | .1114685 | .1201189 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2870.397 | 4032.617 | 58982.72 | 11967.21 | 4701.873 |
| Stddev    | 20.612   | 11.563   | 372.40   | 76.74    | 10.632   |
| %RSD      | .7180882 | .2867338 | .6313654 | .6412146 | .2261242 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2846.653 | 4045.128 | 58583.61 | 11945.02 | 4712.910 |
| #2 | 2880.837 | 4030.396 | 59043.69 | 12052.60 | 4701.012 |
| #3 | 2883.700 | 4022.325 | 59320.87 | 11904.03 | 4691.698 |

Sample Name: K2605-11      Acquired: 05/02/2019 15:28:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MA5146D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0903160 | .0049025 | .0389347 | -.015807 | .0016849 | 42.35796 | .2392724 |
| Stddev | .0025824 | .0018292 | .0009271 | .001150  | .0017108 | .20151   | .0014728 |
| %RSD   | 2.859330 | 37.31271 | 2.381127 | 7.275563 | 101.5383 | .4757323 | .6155524 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0899311 | .0063884 | .0394484 | -.016840 | .0000869 | 42.50931 | .2403853 |
| #2 | .0879475 | .0028594 | .0394913 | -.016012 | .0034898 | 42.43534 | .2398296 |
| #3 | .0930692 | .0054596 | .0378645 | -.014568 | .0014781 | 42.12923 | .2376022 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0031637 | .0006241 | 40.10173 | .1533211 | .0554458 | .0851368 | 118.4697 |
| Stddev | .0000403 | .0000334 | .37528   | .0004485 | .0003485 | .0016610 | .6207    |
| %RSD   | 1.273153 | 5.352780 | .9358107 | .2925173 | .6284678 | 1.950920 | .5239605 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0031968 | .0006526 | 40.38500 | .1537526 | .0558169 | .0842522 | 118.7587 |
| #2 | .0031755 | .0006323 | 40.24409 | .1533534 | .0551256 | .0870529 | 118.8932 |
| #3 | .0031189 | .0005874 | 39.67610 | .1528574 | .0553950 | .0841054 | 117.7571 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.801936 | 35.35946 | .1871367 | -.007312 | .6457923 | .1262705 | .2188691 |
| Stddev | .015115  | .16872   | .0005820 | .000865  | .1523582 | .0038150 | .0038117 |
| %RSD   | .8388096 | .4771525 | .3110260 | 11.83564 | 23.59244 | 3.021281 | 1.741540 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.815019 | 35.40054 | .1877458 | -.008109 | .7966496 | .1300467 | .2231095 |
| #2 | 1.805397 | 35.50385 | .1865862 | -.006391 | .6487511 | .1263468 | .2157275 |
| #3 | 1.785390 | 35.17400 | .1870782 | -.007434 | .4919763 | .1224179 | .2177703 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.09633 | 3.924049 | -.043178 | .0034175 | 16.76749 | 1.082127 | -.003908 |
| Stddev | .10396   | .009874  | .001266  | .0000718 | .03955   | .007262  | .000901  |
| %RSD   | .8594299 | .2516241 | 2.931437 | 2.101531 | .2358759 | .6710486 | 23.06303 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.03312 | 3.912912 | -.042426 | .0034517 | 16.81072 | 1.078394 | -.004883 |
| #2 | 12.21631 | 3.927507 | -.044639 | .0033350 | 16.73313 | 1.090496 | -.003734 |
| #3 | 12.03955 | 3.931730 | -.042468 | .0034658 | 16.75861 | 1.077492 | -.003106 |

Sample Name: K2605-11      Acquired: 05/02/2019 15:28:19      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MA5146D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.264184 | .1048441 | .1173831 |
| Stddev | .018555  | .0005509 | .0000902 |
| %RSD   | .8194850 | .5254574 | .0768737 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.279817 | .1050038 | .1174635 |
| #2 | 2.269055 | .1052974 | .1174005 |
| #3 | 2.243679 | .1042309 | .1172855 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2898.711 | 4040.377 | 59465.16 | 12040.59 | 4716.221 |
| Stddev    | 11.065   | 3.816    | 270.00   | 85.26    | 7.948    |
| %RSD      | .3817090 | .0944459 | .4540539 | .7081458 | .1685301 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2906.454 | 4044.732 | 59573.12 | 12124.09 | 4722.468 |
| #2 | 2903.641 | 4037.619 | 59664.47 | 11953.67 | 4718.921 |
| #3 | 2886.038 | 4038.780 | 59157.88 | 12044.00 | 4707.275 |

Sample Name: CCV001      Acquired: 05/02/2019 15:46:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCV001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.899939 | 4.914904 | 24.71118 | 4.807495 | 4.887137 | 385.5412 | 10.31353 |
| Stddev | .014760  | .009112  | .02054   | .012983  | .019848  | .7549    | .02542   |
| %RSD   | .3012344 | .1853970 | .0831380 | .2700598 | .4061220 | .1958140 | .2464482 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.899831 | 4.904469 | 24.69622 | 4.807847 | 4.893587 | 384.6870 | 10.28448 |
| #2 | 4.885233 | 4.918954 | 24.70271 | 4.794339 | 4.864867 | 386.1189 | 10.32440 |
| #3 | 4.914753 | 4.921289 | 24.73461 | 4.820298 | 4.902958 | 385.8179 | 10.33170 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5003205 | 2.471490 | 396.5620 | 15.13723 | 2.497832 | 15.27766 | 397.9388 |
| Stddev | .0017146 | .001776  | 1.4304   | .04023   | .000950  | .02797   | 1.0787   |
| %RSD   | .3427015 | .0718413 | .3606964 | .2657934 | .0380198 | .1831071 | .2710760 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5022928 | 2.469536 | 394.9106 | 15.10985 | 2.497919 | 15.24589 | 396.7380 |
| #2 | .4991851 | 2.473006 | 397.4138 | 15.11843 | 2.496842 | 15.29860 | 398.8257 |
| #3 | .4994836 | 2.471928 | 397.3615 | 15.18343 | 2.498735 | 15.28850 | 398.2529 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.26195 | 384.3895 | 2.480195 | 1.255722 | 389.3616 | 2.512001 | 15.18158 |
| Stddev | .06662   | 1.1812   | .006188  | .005740  | 1.7186   | .008103  | .12972   |
| %RSD   | .4364884 | .3072892 | .2495118 | .4570708 | .4413911 | .3225839 | .8544274 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.18768 | 383.1339 | 2.484685 | 1.249387 | 387.3789 | 2.504780 | 15.04419 |
| #2 | 15.31643 | 385.4785 | 2.473136 | 1.257206 | 390.2791 | 2.520765 | 15.30194 |
| #3 | 15.28173 | 384.5562 | 2.482763 | 1.260574 | 390.4267 | 2.510457 | 15.19861 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 152.4795 | 5.162819 | 4.579905 | 4.530561 | 5.092242 | 4.680703 | 4.660258 |
| Stddev | .2675    | .008396  | .008951  | .009174  | .009040  | .027424  | .005794  |
| %RSD   | .1754304 | .1626227 | .1954338 | .2024826 | .1775160 | .5858880 | .1243344 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 152.3572 | 5.154539 | 4.580358 | 4.532522 | 5.088457 | 4.711132 | 4.665611 |
| #2 | 152.2950 | 5.162594 | 4.570736 | 4.520566 | 5.085710 | 4.657897 | 4.654105 |
| #3 | 152.7863 | 5.171326 | 4.588620 | 4.538596 | 5.102558 | 4.673079 | 4.661057 |

Sample Name: CCV001      Acquired: 05/02/2019 15:46:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCV001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.775027 | 5.117119 | 5.039501 |
| Stddev | .013106  | .022699  | .065024  |
| %RSD   | .2744791 | .4435827 | 1.290279 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.760237 | 5.101293 | 4.972215 |
| #2 | 4.785201 | 5.106938 | 5.101997 |
| #3 | 4.779642 | 5.143126 | 5.044290 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2408.688 | 3341.416 | 52050.06 | 10738.60 | 3868.806 |
| Stddev    | 13.017   | 4.480    | 521.54   | 40.75    | 9.583    |
| %RSD      | .5404294 | .1340773 | 1.001991 | .3794939 | .2477061 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2422.458 | 3338.802 | 52594.53 | 10759.31 | 3864.102 |
| #2 | 2407.022 | 3338.858 | 52000.70 | 10764.84 | 3862.485 |
| #3 | 2396.584 | 3346.589 | 51554.96 | 10691.65 | 3879.833 |

Sample Name: CCB001      Acquired: 05/02/2019 15:49:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCB001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002790 | .0002312 | .0015232 | .0028920 | .0000515 | .0173744 | .0002785 |
| Stddev | .0009021 | .0012927 | .0010007 | .0026760 | .0009756 | .0025629 | .0002901 |
| %RSD   | 323.3668 | 559.0590 | 65.69700 | 92.52865 | 1895.614 | 14.75073 | 104.1570 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000434 | -.000106 | .0025774 | .0033178 | -.001075 | .0175616 | -.000055 |
| #2 | -.000022 | -.000859 | .0005862 | .0053296 | .000609  | .0147230 | .000474  |
| #3 | .001293  | .001659  | .0014061 | .0000287 | .000620  | .0198385 | .000416  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000973 | -.000011 | -.001211 | .0006376 | -.000460 | .0079408 | .0297016 |
| Stddev | .0000717 | .000033  | .010835  | .0004215 | .000227  | .0022073 | .0103950 |
| %RSD   | 73.67146 | 311.0833 | 894.4098 | 66.09977 | 49.35623 | 27.79742 | 34.99807 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000362 | -.000029 | -.004097 | .0004741 | -.000717 | .0104824 | .0279564 |
| #2 | .0000796 | .000027  | -.010312 | .0011164 | -.000376 | .0065031 | .0202896 |
| #3 | .0001763 | -.000030 | .010775  | .0003225 | -.000287 | .0068371 | .0408587 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0009743 | .0050881 | -.000062 | .0004333 | .2091770 | .0020298 | -.000776 |
| Stddev | .0002299 | .0224905 | .000483  | .0001695 | .2120096 | .0009871 | .001516  |
| %RSD   | 23.59135 | 442.0224 | 779.1885 | 39.12604 | 101.3542 | 48.63116 | 195.4553 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0012176 | .0213273 | -.000400 | .0003529 | .4186253 | .0031111 | .000944  |
| #2 | .0007608 | -.020583 | -.000277 | .0006281 | -.005304 | .0018013 | -.001352 |
| #3 | .0009445 | .014520  | .000491  | .0003189 | .214210  | .0011770 | -.001919 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2587355 | -.000354 | .0073637 | -.000078 | -.000617 | -.001685 | -.000824 |
| Stddev | .0426322 | .000844  | .0010069 | .000282  | .001352  | .001424  | .000273  |
| %RSD   | 16.47715 | 238.5898 | 13.67411 | 362.2987 | 219.0408 | 84.54855 | 33.16336 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2394216 | .000524  | .0083533 | .000219  | -.001648 | -.002990 | -.001081 |
| #2 | .2291785 | -.000426 | .0063403 | -.000344 | -.001117 | -.001897 | -.000537 |
| #3 | .3076065 | -.001159 | .0073975 | -.000108 | .000913  | -.000166 | -.000856 |

Sample Name: CCB001      Acquired: 05/02/2019 15:49:53      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v859)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCB001      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0006684 | .0039923 | .0000064 |
| Stddev | .0009551 | .0030466 | .0000905 |
| %RSD   | 142.8961 | 76.31108 | 1420.760 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0014496 | .0021094 | .0001107 |
| #2 | .0009520 | .0075072 | -.000042 |
| #3 | -.000396 | .0023604 | -.000050 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2722.324 | 3828.125 | 55379.71 | 11200.42 | 4770.395 |
| Stddev    | 1.868    | 9.143    | 112.20   | 93.19    | 4.817    |
| %RSD      | .0686035 | .2388481 | .2026099 | .8319933 | .1009787 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2724.466 | 3828.945 | 55482.78 | 11192.07 | 4767.676 |
| #2 | 2721.038 | 3818.599 | 55396.16 | 11111.68 | 4767.553 |
| #3 | 2721.467 | 3836.830 | 55260.18 | 11297.50 | 4775.957 |